



Approved Supply List (Seventh edition)

Information approved for the
classification and labelling of substances
and preparations dangerous for supply

Chemicals (Hazard Information and Packaging for Supply)
Regulations 2002



APPROVED LIST

L129

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Notice of approval

1. The Health and Safety Commission has on 16 April 2002 approved the publication of this document, *Information approved for the classification and labelling of substances and preparations dangerous for supply* ('Approved Supply List (Seventh edition)') for the purposes of the Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 ('CHIP 3').
2. This Approved Supply List (Seventh edition) shall have effect from the date on which CHIP 3 comes into force.
3. On that date the Approved Supply List (Sixth edition) (approved by the Health and Safety Commission on 15 August 2000 for the purposes of the Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 shall cease to have effect except insofar as is required by regulation 16 of CHIP 3.

Signed

Mark Dempsey

Secretary to the Health and Safety Commission

[15 May 2002]

Preface

This Approved Supply List (Seventh edition) is based on Annex I to the Dangerous Substances Directive (67/548/EEC) as adapted to technical progress. It incorporates all adaptations up to the 28th 1and supersedes the Approved Supply List (Sixth edition).

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP 3) impose requirements by reference to this List and to that extent it is legally binding.

The Approved Supply List (Seventh edition) is one of three documents supporting CHIP 3. The other two are: the Approved Classification and Labelling Guide and the Approved Code of Practice: The compilation of safety data sheets.

¹ Commission Directive 2001/59/EC (OJ L 225, 21.8.2001, p.1).

Introduction

Purpose of the Approved Supply List

1 The *Approved Supply List* ('ASL' or 'the List' for short), is an integral part of the Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP). The Regulations define the system for classification and labelling of substances and preparations dangerous for supply. This system applies to all dangerous substances and preparations as defined in the Regulations and is based on Directives agreed by member states of the European Union - principally the Dangerous Substances Directive (67/548/EEC) and the Dangerous Preparations Directive (1999/45/EC), both as amended and adapted to technical progress.

2 The ASL has been approved by the Health and Safety Commission and contains detailed information about substances to assist manufacturers, importers and suppliers having responsibilities under CHIP. For the purposes of classification and labelling, this comprises:

- (a) information to be shown on labels when the substance is supplied in packages; and
- (b) information to be used to derive the classification and supply labels for preparations containing the substance.

3 Inclusion of a substance in the ASL normally indicates that the substance is dangerous for supply. However, some complex substances may have a partial or qualified entry, meaning that the substance as supplied may not actually need to be labelled as dangerous. Great care should be taken in interpreting these entries (see paragraphs 27 to 31 for further details). On the other hand, the absence of a substance from the List does not imply that the substance is 'safe'. In this case the person supplying the substance should assess the hazards and assign, as necessary, a classification and label in accordance with CHIP and the criteria in the Approved guide to the classification and labelling of substances and preparations dangerous for supply.

4 It is important to note that there is a difference between hazard (ie the inherent properties of a chemical) and risk (ie the probability of the hazardous properties of the chemical causing harm to people or the environment). The ASL provides information about the hazards of certain substances, not the risk.

5 Classification of a substance or preparation is important not only to derive the label for any package in which the substance is supplied, but also as a source of information in relation to control measures for handling, use or storage, for example, under the Control of Substances Hazardous to Health Regulations 1999 (COSHH). The listing of any particular substance in the ASL however, does not prejudice application of any prohibitions, controls, or special conditions laid down in any Act or regulation relating to that substance.

Structure of the Approved Supply List

6 The ASL is derived directly from Annex I to the Dangerous Substances Directive. Annex I is a list of dangerous substances for which harmonised classification and labelling have been agreed at Community level in accordance with the procedure laid down in the Directive

and which is updated from time to time by way of Adaptation to Technical Progress (ATP). This new edition of the ASL covers all ATPs up to the 28th.

7 This edition of the ASL continues the arrangement introduced in the 4th edition of a single alphabetical listing which makes finding the entry for a substance a one-step operation. There are five parts to the ASL:

- Part I contains, and lists in alphabetical order of name, entries for all the substances covered;
- Part II reproduces the Eines and other descriptions of certain substances to help identification in difficult cases;
- Part III gives the names of all the substances covered by those entries which are applicable to mixtures of named substances or mixtures/specific isomers;
- Part IV gives information for classification of pesticides; and
- Part V summarises key information for users of the List

8 In the course of producing a new edition of the ASL the opportunity may be taken to correct typographical errors in earlier editions and as a result the entries for some substances may differ from those in the previous edition. Users should carefully check the entry for each substance of interest to them and ensure that they are using the correct information.

9 The addition of new entries, or amendments to existing entries, in Annex I to the Dangerous Substances Directive is effected by referral of the necessary data to a Working Group of National Experts established under the Directive and chaired by representatives of the European Commission. Any person seeking to add or amend Annex I entries should contact the Health and Safety Executive, Health Directorate, Chemical Supply Management Unit, Rose Court, 2 Southwark Bridge, London SE1 9HS (telephone number: 0207-717 6000) to discuss the necessary data and procedure. More information on CHIP and its underlying EC Directives, including news on recent developments, may be found at: www.hse.gov.uk/hthdir/noframes/chip/chipo.htm

How to use the Approved Supply List

10 This paragraph explains how to use the ASL to find out about the approved classification and labelling requirements for particular substances.

- (a) First, turn to part I of the List and look for the entry for the substance of interest. The entries are arranged in alphabetical order of substance name. If you are looking for one of the complex coal or oil derived substances you will need to look under 'c' (for coal tar products) or 'p' (for petroleum substances); you may also need to refer to Part II (Eines and other descriptions) to identify the correct entry.

- (b) Once you have found the entry read off the substance classification (see paragraph 22(a)) label (see paragraph 22(b)) and concentration limit (see paragraph 22(c)) information as required, taking into account any notes accompanying the entry (see also paragraphs 25 and 26). Refer to Part V and read off the full text of the risk and safety phrases as required.
- (c) Below the entry name you may see other names in smaller type. These will be either one or both of the following: alternative names for the substance (see, for example, the entries for ethanol and ethyl alcohol), or the names of other substances with the same classification (see, for example, the entries for dimethylzinc and diethylzinc). Each of these other names will have an ASL entry corresponding to it.
- (d) You need to remember that in any ASL entry where more than one substance name appears the CAS number and the EC number given are for the substance whose name appears first in that entry. For example, the EC number for dimethylzinc is 208-8841 whereas that for diethylzinc is 209-161-3. (The CAS number is the number assigned by the Chemicals Abstracts Service and is included for information only. For the significance of EC number, see paragraph 22(b).)
- (e) For entries which cover more than one named isomer, a cross reference to Part III is given in brackets after the Index number (this number is given for information only - see paragraph 11 for an explanation of it). In these cases Part III can be used to identify the range of chemicals covered by the entry (see also paragraph 13 and Note C in paragraph 25).

Changes since the previous edition. A code is used to highlight changes to entries since the previous edition of the ASL. Where the name of the substance is preceded by a '•' symbol this indicates a new entry to the list. Where the name of the substance is preceded by a '■' symbol the entry has been revised for scientific reasons since the previous edition. Where neither of these symbols appears either the entry is identical to that in the previous edition or if it is not identical it is solely due to correction of typographical errors.

Index number

11 Part I of the ASL is derived from Annex I to the Dangerous Substances Directive. These have essentially the same content but they are organised differently: in Annex I the substance entries are listed in order of *Index number* but in Part I they are in alphabetical order of substance name. However, the entries in the ASL do give the relevant Index number and the derivation of this number is set out below.

The Index number for a substance is in the form of a digit sequence ABC-RST-VW-Y, where:

- ABC is either the atomic number of the chemical element most characteristic of the substance's properties (preceded by one or two zeros to make up the sequence), or the class number for organic substances as shown in Table 1;
- RST is the consecutive number of the substance in the series ABC;

- VW denotes the form in which the substance is produced or placed on the market; and
- Y is the checkdigit calculated in accordance with the ISBN (International Standard Book Number) method.

As an example, the Index number for sodium chlorate is 017-005-00-9.

Table 1 Index number classes for organic substances

601	Hydrocarbons
602	Halogenated hydrocarbons
603	Alcohols and derivatives
604	Phenols and derivatives
605	Aldehydes and derivatives
606	Ketones and derivatives
607	Organic acids and derivatives
608	Nitriles
609	Nitro compounds
610	Chloronitro compounds
611	Azoxy and azo compounds
612	Amine compounds
613	Heterocyclic bases and derivatives
614	Glucosides and alkaloids
615	Cyanates and isocyanates
616	Amides and derivatives
617	Organic peroxides
618	Miscellaneous substances
647	Enzymes
648	Complex substances derived from coal
649	Complex substances derived from petroleum
650	Miscellaneous substances

12 Index numbers sometimes refer to generic entries. Examples are:

- 013-004-0G2 aluminium alkyls;
- 080404-00-7 mercury, organic compounds except those elsewhere specified;
- 612-009-00-2 aniline, salts of.

13 In some cases, however, the Index number refers to a mixture of named substances or to specific isomers and a mixture of isomers. Such entries are identified by a cross reference to part III placed after the Index number in Part I, indicating that the full description of the Index number in Part III should be checked. Examples are:

- 601-006-00-1 (see Part III) pentane; isopentane
- 607-024-006 (see Part III) propyl acetate; isopropyl acetate
- 615-006-00-4 (see Part III) toluene-2,6-di-isocyanate; toluene-2,6-di-isocyanate.

(See also paragraph 10 and Note C in paragraph 25).

Conventions for alphabetical listing (Part 1 of the List)

- 14 The substances entries in Part I of the ASL are listed in alphabetical order of substance name subject to the conventions set out below:
- (a) The following prefixes determine a position in the list:

bi, bis, cyclo, epi, iso, neo, per, tris; mono, di, tri, tetra, penta, hexa or other Greek prefixes denoting number; ortho, meta and para where these form part of the name.

(b) The following prefixes are ignored:

Arabic numerals such as 1, 2, or 3;
 α , β , γ or other Greek letters;

other prefixes such as:

o, m or p denoting ortho, meta or para;
 n, sec or tert denoting normal, secondary or tertiary;
 N denoting attached to nitrogen;
 O denoting attached to oxygen;
 S denoting attached to sulphur.

As examples, look under:

't' for 1,1,1-trichloroethane
 'c' for achlorotoluene
 'h' for n-hexane
 'd' for NNdiethylaniline.

(c) The spelling 'sulphur' is used throughout the List. The spelling 'sulfur' is equally acceptable where the convention demands this form.

Nomenclature

15 Wherever possible dangerous substances are designated by their Eines, Elincs or 'No-longer-polymer' names. Other substances not listed in Eines, Elincs or the list of 'No-longer-polymers' are designated using an internationally recognised chemical name (eg ISO, IUPAC). An additional common name is included in some cases. Impurities, additives and minor components are normally not mentioned unless they contribute significantly to the classification of the substance.

16 Some substances are described as a mixture of A and B. These entries refer to one specific mixture. In some cases where it is necessary to characterise the substance supplied, the proportions of the main substances in the mixture are specified.

17 Some substances are described with a specific percentage purity. Substances containing a higher content of active material (eg an organic peroxide) are not included in the ASL entry and may have other hazardous properties (eg explosive). Where specific concentration limits are shown, these apply to the substance or substances shown in the entry. In particular, in the case of entries which are mixtures of substances or substances described with a specific percentage purity, the limits apply to the substance as described in the ASL and not the pure substance.

18 Regulation 9(2)(b)(i) of CHIP requires that for substances appearing in the ASL, the name of the substance to be used on the label should be one of the designations given in the ASL. In this context Notes A to D in paragraph 25 provide a qualification to the names given in Parts I and III. For some substances additional information has been provided for users to enable them to better identify particular substances in generic entries. These are indicated by (name) after the generic entry.

19 For certain substances additional information has been added in Part II in order to help identify them. In the case of oil and coal derived substances the full Eines description is given. In the case of refractory ceramic fibres, mineral wools and special purpose fibres a description based on chemical composition is given. This information need not be included on the label.

20 Certain entries contain a reference to impurities. An example is 'methyl acrylamidomethoxyacetate (containing $\geq 0.1\%$ acrylamide)' (Index No. 607-19-00-X). In these cases the reference in brackets forms part of the name, and must be included on the label.

21 Certain entries refer to groups of substances. An example is 'hydrogen cyanide, salts of (with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide)'. For individual substances covered by these entries, the Eines name or another internationally recognised name must be used.

Substance Information in the ASL

22 The following information is given for each substance assigned a classification and label in Part I (see the sample entry in Part V):

(a) the classification which identifies the hazards of the substance in each category of danger. The classification for each category of danger is normally presented in the form of an expression representing the category of danger together with the appropriate risk phrase (eg 'Xn: R22'. However, in some cases the risk phrase(s) alone is used, eg 'R43'. Additionally, in order to avoid confusion with acute or chronic health hazards special abbreviations are used for the categories of danger carcinogenic, mutagenic or toxic for reproduction. Table 2 sets out for each category of danger its abbreviation or the abbreviation for the corresponding risk phrase(s) in those cases where only the risk phrase(s) appears.

Table 2 Abbreviations for categories of danger

Explosive	E
Oxidising	O
Extremely flammable	F+
Highly flammable	F
Flammable	R10
Very toxic	T+
Toxic	T
Harmful	Xn
Corrosive	C
Irritant	Xi
Sensitising	R42 or R43 or R42/43
Carcinogenic	Carc Cat 1 or Carc Cat 2 or Carc Cat 3
Mutagenic	Muta Cat 1 or Muta Cat 2 or Muta Cat 3
Toxic for reproduction	Repr Cat 1 or Repr Cat 2 or Repr Cat 3
Dangerous for the environment	N or R52 or R53 or R52, 53 or R59

Additional risk phrases which have been assigned to describe other properties (see the sections entitled 'Other physicochemical properties' and 'Other health effects' in the *Approved guide to the classification and labelling of substances and preparations dangerous for supply* are shown on

the same line as the classification although they are not formally part of it.

Some entries attract *Notes* (which appear after the substance name or at the beginning of the concentration limit information). It is very important that these are taken into account when classifying (see paragraphs 25 to 31);

- (b) the label, assigned to the substance, including:

the symbol(s) and indication(s) of danger that should appear on the label. The symbols are denoted by the corresponding symbol-letters as in Schedule 2 to CHIP;

the risk phrases, shown as a series of numbers preceded by the letter R indicating the nature of the special risks. The numbers are separated by either:

- (i) a comma (,) to denote separate statements concerning special risks; or
- (ii) an oblique stroke (/) to denote a combined statement, in a single sentence, of the special risks;

the safety phrases shown as a series of numbers preceded by the letter S indicating the recommended safety precautions. Again the numbers are separated by either a comma or an oblique stroke, the significance of which is as in (b)(i) and (ii) above. (The safety phrases in brackets are obligatory where the substance or preparation is sold to the general public.);

the *EC Number*, shown as a seven digit number of the form ABC-RST-X. This number is:

- (i) for existing substances, the Eines number (starts at 200-001-8) (OJ C 146A, 15.6.90, p.1);
- (ii) for new notified substances, the Elincs number (starts at 400-010-9) (OJ C 139, 29.5.91, p.2); or
- (iii) for 'no-longer-polymers' the 'No-longer-polymer' number (starts at 500-0014) (ISBN 92-827-89954).

For substances in the ASL, regulation 9(2)(c)(iv) of CHIP requires the package label to include any EC number, together with the words 'EC label'. In addition the label should include all other information specified in regulation 9;

- (c) the concentration limits and associated classifications necessary to classify dangerous preparations containing the substance in accordance with Schedule 3 to CHIP. It should be noted that:

- (i) unless otherwise shown, the concentration limits are percentages by weight of the substance calculated with reference to the total weight of the preparation;
- (ii) where no concentration limits are given, the concentration limits to be used when applying the conventional method of assessing health and environmental hazards are those in Part II and Part III of Schedule 3 to CHIP;

- (iii) in certain cases, eg nitric acid, hydrogen peroxide and perchloric acid, the concentration limits in Part I also denote the concentration at which the substance itself has the physicochemical property oxidising.

Groups of substances

23 Where group entries such as '... compounds of ...' or '... salts of ...' are used they will apply to all substances covered by the description which are listed in Eines. Elincs or the list of 'No-longer-polymers'. Where a substance is covered by two or more group entries (eg lead oxalate is covered by 'lead compounds ...' and by 'oxalic acid, salts of') the labelling of the substance should reflect the labelling for each of the group entries. In cases where different classifications for the same hazard are given, the classification leading to the more severe classification is used for the label of the particular substance (see section on Note A below).

24 Entries in Parts I or III for salts (under any denomination) cover both anhydrous and hydrated forms, unless expressly specified otherwise.

Meaning of the notes used in Part I of the List

25 As explained in paragraph 22(a) some entries attract notes. There are two series of these notes; an alphabetic series (Note A, Note B, etc.) which appear after the substance name and a numeric series (Note 1, Note 2, etc.) which appear above the concentration limit information. Some further advice on Notes H to Q is given in paragraphs 27 to 31. The notes are very important and their individual meanings are as follows:

Note A:

The name of the substance should appear on the label in the form of one of the designations given in Parts I or III.

In Parts I or III, use is sometimes made of a general designation such as: '... compounds' or '... salts'. In this case, the manufacturer or any other person who markets such a substance should state on the label the correct name, due account being taken of the section entitled 'Nomenclature' in this introduction.

Example: for BeCl₂: beryllium chloride

Where the substance belongs to one group entry in Part I, the symbols, indications of danger, R- and S-phrases used for that substance are those shown in that group entry.

Where the substance belongs to more than one group entry in Part I, the symbols, indications of danger, R- and S-phrases used for that substance are those shown in both group entries. In cases where two different classifications are given in the two entries for the same hazard, the classification reflecting the more severe hazard classification is used.

Example:

Group entry 1 classification:
Repr Cat 1: R61 Repr Cat 3: R62 Xn: R20/22
R33 N: R50, 53

Group entry 2 classification:
Carc Cat 1: R45 T: R23/25 N: R51.53

Substance classification:
 Carc Cat 1: R45 Repr Cat 1: R61 Repr Cat 3:
 R62 TR23/25 R33 N:R50,53

and R65 and all combinations of these risk phrases should be preceded by the word 'also'.

Examples: R45,23: 'May cause cancer. Also toxic by inhalation'.

Note B:

Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and therefore require different labelling since the hazards vary. For aqueous solutions the label shown in Part I is for the highest concentration range given under the concentration limits. For lower concentration ranges, safety phrases should be selected according to the normal rules for preparations.

R46, 27/28: 'May cause heritable genetic damage. Also very toxic in contact with skin and if swallowed'

In Parts I and III, a general designation of the following type is used;

'...% nitric acid'

In this case the manufacturer or any other person who markets such a substance should give on the label the percentage concentration of the solution.

Example: 45% nitric acid

Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight (w/w) basis.

The use of other data (eg specific gravity, degrees Baume) or descriptive phrases (eg fuming or glacial) is permissible.

Note C

Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In Parts I or III, a general designation of the following type is sometimes used:

'xylene'

In this case the manufacturer or any other person who markets such a substance should state on the label whether the substance is a specific isomer (a) or a mixture of isomers (b).

Example: (a)2,6-dimethylphenol
 (b)xylene (mixture of isomers)

(See also paragraphs 10 and 13).

Note D

Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. This is the form that is listed in Parts I and III.

However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the manufacturer or any other person who places such a substance on the market should state on the label the name of the substance followed by the words 'non-stabilised'.

Example: methacrylic acid (non-stabilised)

Note E

For substances ascribed Note E the risk phrases R20, R21, R22, R23, R24, R25, R26, R27, R28, R39, R68 (harmful), R48

Note F:

This substance may contain a stabiliser. If the stabiliser changes the dangerous properties of the substance, as indicated by the label in Part I, a label should be provided in accordance with the rules for the labelling of dangerous preparations.

Note G:

This substance may be marketed in an explosive form in which case it should be evaluated using the appropriate test methods and a label should be provided reflecting its explosive property.

Note H:

The classification and label shown for this substance applies only to the dangerous property(ies) indicated by the risk phrase(s) in combination with the category(ies) of danger shown. The requirements of regulation 4 of CHIP, on manufacturers, distributors and importers of this substance apply to all other aspects of classification and labelling. The final label shall follow the requirements of the *Approved guide to the classification and labelling of substances and preparations dangerous for supply*.

This note applies only to certain coal- and oil-derived substances and to certain entries for groups of substances in Part I.

NB The following notes J, K, L, M and P are also relevant to preparations (see paragraphs 29 and 30).

Note J:

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.1%w/w benzene (Einecs no 200-753-7). This note only applies to certain complex coal- and oil-derived substances,

Note K

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.1%w/w 1,3-butadiene (Einecs no 203-450-8). If the substance is not classified as a carcinogen, at least the S-phrases (2), 9, 16 should apply. This note only applies to certain complex oil-derived substances.

Note L:

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346. This note only applies to certain complex oil-derived substances.

Note M:

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.005% w/w benzo[a]-pyrene (Einecs no 200-028-5). This note only applies to certain complex coal-derived substances.

Note N:

The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen. This note only applies to certain complex oil-derived substances.

Note P:

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (Einecs no 200-753-7).

When the substance is classified as a carcinogen Note E shall also apply.

When the substance is not classified as a carcinogen at least the S-phrases (2), 23, 24, 62 shall apply. This note only applies to certain complex oil-derived substances.

Note Q:

The classification as a carcinogen need not apply if it can be shown that the substance fulfils one of the following conditions:

- a short-term biopersistence test by inhalation has shown that the fibres longer than 20 µm have a weighted half life of less than 10 days; or
- a short-term biopersistence test by intratracheal instillation has shown that the fibres longer than 20 µm have a weighted half life less than 40 days; or
- an appropriate intra-peritoneal test has shown no evidence of excess carcinogenicity; or
- absence of relevant pathogenicity or neoplastic changes in a suitable long term inhalation test.

Note R:

The classification as a carcinogen need not apply to fibres with a length weighted geometric mean diameter less two standard geometric errors greater than 6 µm.

Note S:

This substance may not require a label according to regulation 9 of CHIP (see the section entitled 'Special cases' in the *Approved guide to the classification and labelling of substances and preparations dangerous for supply*).

Labelling of preparations

26 The significance of the notes that appear beside the concentration limits in Part I is as follows:

Note I:

The concentration stated is the percentage by weight of the metallic element calculated with reference to the total weight of the preparation.

Note 2:

The given concentration of isocyanate is the percentage by weight of the free monomer calculated with reference to the total weight of the preparation.

Note 3:

The concentration stated is the percentage by weight of chromate ions dissolved in water calculated with reference to the total weight of the preparation.

Note 4:

Preparations containing these substances have to be classified as harmful with R65 if they meet the criteria in the *Approved guide to the classification and labelling of substances and preparations dangerous for supply*.

Note 5:

The concentration limits for gaseous preparations are expressed as volume per volume percentage.

Note 6:

Preparations containing these substances have to be assigned R67 if they meet the criteria in the *Approved guide to the classification and labelling of substances and preparations dangerous for supply*.

This note is not relevant for preparations classified and labelled under the Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. These regulations contain provisions which have the effect of addressing this property by means of a calculation method by the use of specific concentration limits.

Partial and qualified entries; Notes H to R

27 Many of the entries for complex coal and oil derived substances are partial or qualified. These can be identified by the notes which appear against the entries in Part I of the List. The notes themselves are listed at paragraph 25 of this introduction and should be read very carefully.

28 The partial entries are identified by Note H. These substances have been classified for carcinogenicity only. Suppliers of these substances must assess the substance for its other health, physicochemical and environmental effects and classify and label it accordingly. An example is 'Petroleum substance - Kerosine (petroleum)' (649-404 00-4).

29 The qualified entries can be identified by Notes J to P. These mean that the classification and labelling requirements shown in Part I will only apply if the complex substance meets the conditions set out in the relevant note. Note J, for example, states that the carcinogenicity classification and label apply only if the substance contains 0.1% or more benzene as a constituent. Benzene, in this case, acts a marker. If the substance, as supplied, contains less than 0.1% benzene then it is not required to be classified and labelled as a carcinogen. Examples are the four entries for white spirits.

30 Notes J, K, L, M and P are also relevant to preparations which have been classified as carcinogens solely because of the presence of the relevant complex substances. If the final quantity of the appropriate marker(s) is less than that given in the note(s), then classification as a carcinogen is not required.

31 Note Q is relevant for the classification of mineral wool. Note R is relevant for the classification of mineral wool, refractory ceramic fibres and special purpose fibres.

Note on the Approved Supply List - this note does not form part of the formally approved list.

The ASL contains entries for machine-made vitreous fibres (mmvf). These substances were classified following extensive debate in the relevant EC Expert Group.

Some forms of mmvf may be classified solely on the basis of the ability of the substance to cause transient irritation of the skin. The effect seen may not be consistent with that usually observed as a result of exposure to irritant chemicals but in order to ensure a high standard of protection classification as 'irritant' is considered appropriate. This distinction may be relevant to risk assessment.

Part I Alphabetical listing, classification and
labelling information

Part I Alphabetical listing, classification and labelling information

(1 α ,5 α ,8 α ,9-pentahydroxy-7 β -isopropyl-2 β , 5 β ,8 β - - trimethylperhydro-8 α ,9-epoxy-5,8-ethanocyclopenta

[1,2=b]indenyl pyrrole-2-carboxylate
ryania
CAS 015662-33-6
Index 613-061-00-9
Class'n Xn: R21/22 N: R50,53
Label Xn, N
R21/22,50/53
S(2), 36/37, 60, 61
239-732-2

AAT

4-0-tolylazo-0-toluidine
4-amino-2',3'-dimethylazobenzene
fastgarnetGBCbase
o-aminoazotoluene
CAS 000097-56-3
Index 611-006-00-3
Class'n Carc Cat2: R45 R43
Label T
R45,43
S53,45
202-591-2

acephate (ISO)

OS-dimethylacetylphosphoramidoditoate
CAS 030560-19-1
Index 015-079-00-7
Class'n Xn:R22
Label Xn
R22
S(2), 36
250-241-2

acetal

1,1-diethoxyethane
CAS 000105-57-7
Index 605-015-00-1
Class'n F:RII Xi:R36/38
Label F,Xi
R11,36/38
S(2), 9, 16, 33
203-310-6
Conc Conc >= 10% Xi: R36/38

acetaldehyde

etanal
CAS 000075-07-0
Index 605-003-00-6
Class'n F+:RI2 Carc Cat3: R40 Xi: R36/37
Label F+Xn
R12,36/37,40
S(2), 16,33,36137
200-836-8

acetamide

CAS 000060-35-5
Index 616-022-00-4
Class'n Carc Cat3: R40
Label Xn
R40
S(2), 36/37
200-473-5

acetic acid ... % Note B

CAS 000064-19-7
Index 607-002-00-6
Class'n RIO C: R35
Label C
RIO35
S(1/2), 23, 26, 45
200-580-7
Conc Conc >= 90% C: R35
Conc >= 25% and < 90% C: R34
Conc >= 10% and < 25% Xi: R36/38

mixture of

acetic acid { 1 part of}

and

7-[4-(3-diethylaminopropylamino)-6-(3-diethylammoniopropylamino)- 1,3,5-triazin-2-ylamino]-4-hydroxy-3-(4-phenylazophenylazo)-naphthalene-2-sulfonate (2 parts of)

and

lactic acid { 1 part of}
CAS 118658-98-3
Index 611-049-00-8 (see Part III)
Class'n Xn: R48/22 R43 R52,53
Label Xn
R43,48/22,52153
S(2), 22,36137, 61
408-000-6

acetic anhydride

CAS 000108-24-7
Index 607-008-00-9
Class'n R10 Xn: R20/22 C: R34
Label C
R10, 20/22,34
S(1/2), 26,36137/39,45
203-564-8
Conc Conc >= 25% C: R20122, 34
Conc >= 5% and < 25% Xi: R37138.41
Conc >= 1% and e 5% Xi: R36

acetochlor

2-cbloro-N-(ethoxymethyl)-N-(2-etyl--metylphenyl)ace~mide
CAS 034256-82-1
Index 616-037-00-6
Class'n Xn: R20 Xi: R37138 R43 N: R50,53
Label XnN
R20, 37/38,43,50/53
S(2), 36/37,60,61
251-899-3

acetone

propan-2-one
propanone
CAS 000067-64-1
Index 606-001-00-8
Class'n F:R11 Xi:R36 R66 R67
Label F,Xi
R11,36,66,67
S(2), 9, 16,26
200-662-2

acetone cyanohydrin

2-hydroxy-2-methylpropionitrile
2-cyanopropan-2-ol
CAS 000075-86-5
Index 608-004-00-X
Class'n T+:R26127f28 N:R50,53
Label T+,N
R26/27/28,50153
S(1/2), 719, 27,45, 60, 61
200-909-4

■ acetonitrile

cyanomethane
CAS 000075-05-8
Index 608-001-00-3
Class'n F:R11 Xn:R20/21/22 Xi:R36
Label F, Xn
R11,20/21/22,36
S(1/2), 16,36/37
200-835-2

acetophenone

CAS 000098-86-2
Index 606-042-00-1
Class'n Xn:R22 Xi:R36
Label Xn
R22,36
S(2), 26
202-708-7

acetophenone, formaldehyde, cyclohexylamine, methanol
and acetic acid, reaction product of

Index 650-018-00-3
Class'n R10 Carc Cat 3. R40 C: R34 Xn: R20 R43
N: R50,53
Label C, N
R10, 20,34,40,43,50153
S(1/2), 26,36137/39,45, 60, 61
406-230-1

2-[4-[N-(4-acetoxybutyl)-N-ethyl]amino-2-
methylphenylazo]-3-acetyl-5-nitrothiophene

Index 611-045-00-6
Class'n R53
Label R53
S61
404-830-8

2-acetoxymethyl-4-benzyloxybut-1-yl acetate

CAS 131266-10-9
Index 607-282-00-X
Class'n R5253
Label R52153
S61
407-140-5

acetylacetone

pentane-2,4-dione
CAS 000123-54-6
Index 606-029-00-0
Class'n R10 Xn:R22
Label Xn
R10,22
S(2). 21,23,24/25
204-634-0
Conc Conc >=25% Xn:R22

3-(5-acetylamino-4-(4-[4,6-bis(3-diethylaminopropylamino)-
1,3,5-triazin-2-ylamino]phenylazo)-2-(2-
methoxyethoxy)phenylazo)6-amino-4-hydroxy-2-
naphthalenesulfonic acid

CAS 115099-58-6
Index 611-040-00-9
Class'n N:R50,53
Label N
R50/53
S60, 61
407-670-7

● 2-acetylamino-6-chloro-4-[(4-diethylamino)2-
methylphenyl-imino]-5-methyl-1-oxo-2,
cyclohexadiene

CAS 102387-48-4
Index 616-086-00-3
Class'n R53
Label R53
S61
412-250-1

● 5-acetyl-3-amino-10,11-dihydro-5H-dibenz[b,f]azepine-
hydrochloride

Index 612-167-00-2
Class'n Xn:R22,48122 XI:R41 R43 N:R51,53
Label Xn,N
R22,41,43,48122,51/53
S(2), 22, 26, 36137/39,61
410-490-1

● mixture of
24-acetyl amino-4-[N,N-bis[(2-(ethoxycarbonyloxy)
ethyl]amino]phenylazo]-5,6-dichloro-1,3-
benzothiazole { 1 part of }

and

2-[2-acetyl amino-4-[N,N-bis[(2-(ethoxycarbonyloxy)
ethyl]amino]phenylazo]-6,7-dichloro-1,3-
benzotriazole { 1 part of }

CAS 143145-93-1
Index 611-094-00-3 (see Part III)
Class'n R53
Label R53
S61
411-600-0

- mixture of
2-[2-acetylamino-4-[N-bis[(2-(ethoxycarbonyloxy)ethyl]amino]phenylazo]-6,7-dichloro-1,3-benzotriazole { 1 part of)

and

2-[2-acetylamino-4-[N-bis[(2-(ethoxycarbonyloxy)ethyl]amino]phenylazo]-5,6-dichloro-1,3-benzothiazole { 1 part of)

CAS 143145-93-1
Index . 611-094-00-3 (see Part III)
Class'n R53
Label R53
S61
411-600-0

- 2-[[2-(acetyloxy)-3-(1,1-dimethyl-ethyl)-5-methylphenyl]methyl]-6-(1,1 -dimethylethyl)-4-methylphenol
CAS 041620-33-1
Index 607-370-00-8
Class'n N:R50,53
Label N
R50/53
S60,61
412-210-3

- N-[3-[(2-acetyloxy)ethyl](phenyl-methyl)amino]-4-methoxyphenylacetamide
CAS 070693-57-1
Index 616-062-00-2
Class'n C:R34 R52,53
Label C
R34,52/53
S(1/2), 26,36/37/39,45,61
411-590-8

- acibenzolar-S-methyl
benzo[1,2,3]thiadiazole-7-carbothioic acid S-methyl ester
CAS 135158-54-2
Index 016-083-00-1
Class'n Xi:R36/37/38 R43 N:R50,53
Label XiN
R36/37/38,43,50/53
S(2), 24/25, 37,46, 59,60, 61
420-050-0

acifluorfen

CAS 050594-66-6
Index 604-041-00-0 (see Part 111)
Class'n Xn:R22 Xi:R38.41 N:R50,53
Label Xn,N
R22,38,41,50/53
S(2), 24,39,60, 61
256-634-5

acifluorfen-sodium

CAS 062476-59-9
Index 604-041-00-0 (see Part III)
Class'n Xn:R22 Xi:R38,41 N:R50,53
Label Xn,N
R22,38,41,50/53
S(2), 24, 39, 60, 61
263-560-7

aconitine

CAS 000302-27-2
Index 614-008-00-2
Class'n T+: R26/28
Label T+
R26/28
S(1/2), 24, 45
206-121-7

aconitine, salts of Note A

Index 614-009-00-8
Class'n T+:R26/28
Label T+
R26128
S(1/2), 24, 45

acetyl chloride

CAS 000075-36-5
Index 607-011-00-5
Class'n F:R11 RI4 'C:R34
Label FC
R11,14,34
S(1/2), 9, 16, 26,45
200-865-6

- N-acetyl-N-[5-cyano-3-(2-dibutylamino-4-phenylthiazol-5-yl-methylene)-4-methyl-2,6-dioxo-1,2,3,6-tetrahydropyridin-1-yl]benzamide

CAS 147741-93-3
Index 608-030-00-1
Class'n N:R50,53
Label N
R50/53
S60,61
412-340-0

acetylene

ethyne
CAS 000074-86-2
Index 601-015-00-0
Class'n R5 R6 F+:RI2
Label F+
R5, 6, 12
S(2), 9, 16, 33
200-816-9

- 3'-(3-acetyl-4-hydroxyphenyl)-1,1-diethylurea

CAS 079881-89-3
Index 616-065-00-9
Class'n Xn:R22;48/22
Label Xn
R22,48122
S(2), 22,36
411-970-3

3-acetyl-6-methyl-2H-pyran-2,4(3H)-dione
dehydracetic acid

CAS 000520-45-6
Index 607-163-00-2
Class'n Xn: R22
Label Xn
R22
S(2)
208-293-9

■ acrolein NoteD

acrylaldehyde
prop2-enal
CAS 000107-02-8
Index 605-008-00-3
Class'n F:R11 T+:R26 T:R24/25 C:R34 N:R50
Label F,T+,N
R11,24/25,26,34,50
S23,26,28, 36/37/39,45,61
203-453-4

■ acrylaldehyde NoteD

acrolein
prop-2-enal
CAS 000107-02-8
Index 605-008-00-3
Class'n F:R11 T+:R26 T:R24/25 C:R34 N:R50
Label F,T+,N
R 11,24/25,26,34,50
S23,26,28, 36/37/39,45,61
203-453-4

■ acylamide NotesDandE

prop-2-enamide
CAS 000079-06-1
Index 616-003-00-0
Class'n Carc Cat2: R45 Muta Cat2: R46 ReprCat 3:
R62 T: R25,48/23/24/25 Xn: R20/21 Xi:
R36/8 R43
Label T
R45,46,20/21,25,36/38,43,48/23/24/25,62
S53,45
201-173-7

■ acrylic acid NoteD

prop2-enoicacid
CAS 000079-10-7
Index 607-061-00-8
Class'n R10 Xn:R20/21/22 C:R35 N:R50
Label C,N
R10, 20/21/22,35,50
S(1/2), 26,36/37/39,45, 61
201-177-9
Conc Conc >= 25% C: R20/21/22, 35
Conc >= 10% and < 25% C:R35
Conc >= 5% and < 10% C:R34
Conc >= 1% and < 5% Xi:R36/37/38

acrylonitrile Notes D and E

CAS 000107-13-1
Index 608-003-00-4
Class'n F:R11 Carc Cat2: R45 T:R23/24/25 Xi:
R37/38,41 R43 N: R51,53
Label F,T,N
R45,11,23/24/25,37/38,41,43,51/53
S9, 16, 53,45,61
203-466-5
Conc Conc >= 20% T: R45,23/24/25,37/38,41,43
Conc >= 10% and < 20% T: R45,23/24/25,41,43
Conc >= 5% and < 10% T: R45,23/24/25,36,43
Conc >= 1% and < 5% T: R45,23/24/25,43
Conc >= 0.2% and < 1% T: R45,20/21/22
Conc >= 0.1% and < 0.2% T:R45

mixture of

2-acryloyloxyethyl hydrogen cyclohexane- 1,2-
dicarboxylate

and

2-methacryloyloxyethyl hydrogen cyclohexane- 1,2-
dicarboxylate

Index 607-226-00-4(seePartIII)
Class'n Xi:R38,41 R43 R52,53
Label Xi
R38,41,43,52/53
S(2), 24, 26, 37/39, 61
405-360-6

adipic acid

CAS 000124-04-9
Index 607-144-00-9
Class'n XiR36
Label Xi
R36
S(2)
204-673-3

ADZN

2,2'-dimethyl-2,2'-azodipropiononitrile
CAS 000078-67-1
Index 608-019-00-1
Class'n E:R2 F:R11 Xn:R20/22 R52,53
Label E,Xn
R2,11,20/22,52/53
S(2),39,41,47,61
201-132-3

■ alachlor (ISO)

2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide
CAS 015972-60-8
Index 616-015-00-6
Class'n CarcCat3: R40 Xn:R22 R43 N:R50,53
Label XnN
R22,40,43,50/53
S(2),36/37/39, 60, 61
240-110-8

aldicarb (ISO)

2-methyl-2-(methylthio)propanal-O-(N-methylcarbamoyl)oxime
CAS 000116-06-3
Index 006-017-00-X
Class'n T+:R26/28 T:R24 N:R50,53
R24, 26128,50153
S(1/2), 22,36/37, 45, 60, 61
204-123-2

aldrin (ISO)

CAS 000309-00-2
Index 602-048-00-3
Class'n T: R24/25,48/24/25 Carc Cat 3: R40 N: R50,53
Label T,N
R24/25,40,48/24/25,50/53
S(1/2), 22,36/37, 45, 60, 61
206-215-8

alkanes, C10-13, chloro

CAS 085535-84-8

Index. 602-080-00-8

Class'n Carc Cat 3: R40 N: R50, 53

Label Xn, N

R40, 50/53

S(2), 24, 36/37, 60, 61

287-476-5

mixture of

tert-alkyl(C12-C14)ammonium bis[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-chromate(1-)

and
tert-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate (1-)

and
tert-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate (1-)

and
tert-alkyl(C12-C14)ammonium[[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate (1-)

and
tert-alkyl(C12-C14)ammonium[[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate (1-)

and
tert-alkyl(C12-C14)ammonium((1-(4(or 5)-nitro-2-oxidophenylazo)-2-naphtholato)(1-(3-nitro-2-oxido-5-pentylphenylazo)-2-naphtholato))chromate(1-)

CAS 117527-94-3

Index 611-044-00-0(see Part III)

Class'n N:R51,53

Label N

R51/53

S61

403-720-7

mixture of

tert-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-)

and
tert-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-)

and
tert-alkyl(C12-C14)ammonium bis[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-chromate(1-)

and
tert-alkyl(C12-C14)ammonium [[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate(1-)

and
tert-alkyl(C12-C14)ammonium [[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate(1-)

and
tert-alkyl(C12-C14)ammonium ((1-(4(or 5)-nitro-2-oxidophenylazo)-2-naphtholato)(1-(3-nitro-2-oxido-5-pentylphenylazo)-2-naphtholato))chromate(1-)

CAS 117527-94-3

Index 611-044-00-0(see Part III)

Class'n N: R5153

Label N

R51/53

S61

403-720-7

mixture of

tert-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-)

and
tert-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-)

and
tert-alkyl(C12-C14)ammonium bis[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-chromate(1-)

and
tert-alkyl(C12-C14)ammonium [[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate(1-)

and
tert-alkyl(C12-C14)ammonium[[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate(1-)

and
tert-alkyl(C12-C14) ammonium ((1-(4(or 5)-nitro-2-oxidophenylazo)-2-naphtholato)(1-(3-nitro-2-oxido-5-pentylphenylazo)-2-naphtholato))chromate(1-)

CAS 117527-94-3

Index 611-044-00-0(see Part III)

Class'n N:R51,53

Label N

R51/53

S61

403-720-7

mixture of

tert-alkyl(C12-C14)ammonium [[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]1-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium bis[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium[[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium ((1-(4(or 5)-nitro-2-oxidophenylazo)-2-naphthalolato)(1-(3-nitro-2-oxido-5-pentylphenylazo)-2-naphthalolato))chromate(1-)

CAS 117527-94-3

Index 611-044-00-0 (SeePartIII)

Class'n N:R51,53

Label N

R51/53

S61

403-720-7

mixture of

tert-alkyl(C12-C14)ammonium [[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium bis[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium [[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]1-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium ((1-(4(or 5)-nitro-2-oxidophenylazo)-2-naphthalolato)(1-(3-nitro-2-oxido-5-pentylphenylazo)-2-naphthalolato))chromate(1-)

CAS 117527-94-3

Index 611-044-00-0(SeePartI11)

Class'n N:R51,53

Label N

R51/53

S61

403-720-7

mixture of

tert-alkyl(C12-C14)ammonium ((1-(4(or 5)-nitro-2-oxidophenylazo)-2-naphthalolato)(1-(3-nitro-2-oxido-5-pentylphenylazo)-2-naphthalolato))chromate(1-)

and

tert-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium bis[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium [[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate(1-)

and

tert-alkyl(C12-C14)ammonium [[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate(1-)

CAS 117527-94-3

Index 611-044-00-0(seePartIII)

Class'n N:R51,53

Label N

R51/53

S61

403-720-7

allethrin Note C

CAS 000584-79-2

Index 006-025-00-3 (see Part III)

Class'n Xn: R20/22 N: R50, 53

Label XnN

R20/22,50/53

S(2), 36,60, 61

209-542-4

■ allidochlor (ISO)

N,N-diallylchloroacetamide

CAS 000093-71 -0

Index 61 6-004-00-6

Class'n Xn: R21/22 Xi: R36/38 N: R51,53

Label XnN

R21/22,36/38,51/53

S(2), 26, 28,36/37/39, 61

202-270-7

allyl alcohol

CAS 000107-18-6

Index 603-015-00-6

Class'n R10 T:R23/24/25 Xi:R36/37/38 N:R50

Label T,N

R10, 23/24/25,36/37/38,50

S(1/2), 36/37/39,38,45, 61

203-470-7

- mixture of
4-allyl-6-[3-[6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol

and

4-allyl-2,6-bis(2,3-epoxypropyl)phenol

and

4-allyl-6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol

and

4-allyl-6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2,4,2,3-epoxypropyl)phenol

Index 603-165-00-2 (see Part III)

Class'n Muta Cat 3: R68 R43

Label Xn
R43,68
S(2), 36/37
417-470-1

- mixture of

4-allyl-6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol

and

4-allyl-2,6-bis(2,3-epoxypropyl)phenol

and

4-allyl-6-[3-[6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol

and

4-allyl-6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol

Index 603-165-00-2 (See Part III)

Class'n Muta Cat 3: R68 R43

Label Xn
R43,68
S(2), 36/37
417-470-1

- mixture of

4-allyl-6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol

and

4-allyl-2,6-bis(2,3-epoxypropyl)phenol

and

4-allyl-6-[3-[6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol

and

4-allyl-6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol

Index 603-165-00-2 (See Part III)

Class'n Muta Cat 3: R68 R43

Label Xn
R43,68
S(2), 36/37
417-470-1

allylamine

CAS 0001 07-11-9

Index 612-046-00-4

Class'n F:R11 T:R23/24/25 N:R51,53

Label F,T,N
R11,23/24/25,51/53
S(1/2), 9, 16, 24/25,45,61
203-463-9

- 5-allyl-1,3-benzodioxole Note E

safrole

CAS 000094-59-7

Index 605-020-00-9

Class'n Carc Cat 2: R45 Muta Cat 3: R68 Xn: R22

Label T
R45,22,68
S53,45
202-345-4

- mixture of

4-allyl-2,6-bis(2,3-epoxypropyl)phenol

and

4-allyl-6-[3-[6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol

and

4-allyl-6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol

and

4-allyl-6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol

Index 603-165-00-2 (see Part III)

Class'n Muta Cat 3: R68 R43

Label Xn
R43,68
S(2), 36/37
417-470-1

allyl chloride Note D

3-chloropropene

CAS 000107-05-1

Index 602-029-00-X

Class'n F:R11 T+:R26 N:R50

Label F,T+,N
R11,26,50
S(1/2), 16, 29, 33, 45, 61
203-457-6

- 1-allyl-3-chloro-4-fluorobenzene

CAS 121626-73-1

Index 602-090-00-2

Class'n Xi:R38 N:R51,53

Label Xi, N
R38,51/53
S(2), 23, 37, 61
406-630-6

■ allyl 2,3-epoxypropyl ether
allylglycidylether
prop-2-en-1-yl2,3-epoxypropyl ether
CAS 000106-92-3
Index 603-038-00-1
Class'n R10 Carc Cat 3: R40 Muta Cat 3: R68 Repr Cat
3: R62 Xn: R20/22 Xi: R37/38,41 R43 R52,
53
Label Xn
R10, 20/22, 37/38, 40, 41, 43, 52/53, 62, 68
S(2), 24/25, 26, 36/37/39, 61
203-442-4

■ allyl glycidyl ether
allyl 2,3-epoxypropyl ether
prop-2-en-1-yl2,3-epoxypropyl ether
CAS 000106-92-3
Index 603-038-00-1
Class'n R10 Carc Cat 3: R40 Muta Cat 3: R68 Repr Cat
3: R62 Xn: R20/22 Xi: R37/38,41 R43 R52,
53
Label Xn
R10, 20/22, 37/38, 40, 41, 43, 52/53, 62, 68
S(2), 24/25, 26, 36/37/39, 61
203-442-4

allyl iodide
3-iodopropene
CAS 000556-56-9
Index 602-054-00-6
Class'n R10 C:R34
Label C
R10, 34
S(1/2), 7, 26, 45
209-130-4

• allyl methacrylate
2-methyl-2-propenoic acid 2-propenyl ester
CAS 000096-05-9
Index 607-246-00-3
Class'n R10 T:R23 Xn:R21/22 N:R50
Label T,N
R10, 21/22, 23, 50
S(1/2), 36/37, 45, 61
202-473-0

(S)-3-allyl-2-methyl-4-oxocyclopent-2-enyl(IR,3R)-2,2-
dimethyl-3-(2-methylprop-1-enyl)
cyclopropanecarboxylate Note C
CAS 028434-00-6
Index 006-025-00-3 (see Part III)
Class'n Xn: R20/22 N: R50, 53
Label Xn, N
R20/22, 50/53
S(2), 36, 60, 61
249-013-5

■ 1-[2-(allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-
imidazole
imazalil (ISO)
CAS 035554-44-0
Index 613-042-00-5
Class'n Xn: R20/22 Xi: R41 N: R50, 53
Label XnN
R20/22, 41, 50/53
S(2), 26, 39, 60, 61
252-615-0

1-[2-(allyloxy)ethyl-2-(2,4-dichlorophenyl)]-1H-
imidazolium hydrogen sulphate
CAS 058594-72-2
Index 613-043-00-0 (see Part III)
Class'n Xn: R20/22 Xi: R41 N: R50, 53
Label XnN
R20/22, 41, 50/53
S(2), 26, 39, 60, 61
261-351-5

(+)-1-[2-(allyloxy)ethyl-2-(2,4-dichlorophenyl)]-1H-
imidazolium hydrogen sulphate
CAS 083918-57-4
Index 613-043-00-0 (see Part III)
Class'n Xn: R20/22 Xi: R41 N: R50, 53
Label, Xn, N
R20/22, 41, 50/53
S(2), 26, 39, 60, 61
281-291-3

aluminium alkyls Note A
Index 013-004-00-2
Class'n RI4 F: RI7 C: R34
Label F, C
R14, 17, 34
S(1/2), 16, 43, 45

aluminium chloride, anhydrous
CAS 007446-70-0
Index 013-003-00-7
Class'n C: R34
Label C
R34,
S(1/2), 7/8, 28, 45
231-208-1

aluminium lithium hydride
CAS 016853-85-3
Index 001-002-00-4
Class'n F: RI5
Label F
RI5
S(2), 7/8, 24/25, 43
240-877-9

■ aluminium phosphide
CAS 020859-73-8
Index 015-004-00-8
Class'n F: RI5/29 T+: R28 R32 N: R50
Label F, T+, N
R15/29, 28, 32, 50
S(1/2), 3/9/14, 30, 36/37, 45, 61
244-088-0

aluminium powder (pyrophoric)
CAS 007429-90-5
Index 013-001-00-6
Class'n F: R15, 17
Label F
R15, 17
S(2), 7/8, 43
231-072-3

aluminium powder (stabilised)

Index 013-002-00-1
 Class'n F: R15 R10
 Label F
 R10, 15
 S(2),7/8,43
 231-072-3

aluminium-tri-isopropoxide

CAS 000555-31-7
 Index 603-042-00-3
 Class'n F: R11
 Label F
 R11
 S(2),8,16
 209-090-8

ametryn (ISO)

2-ethylamino-4-isopropylamino-6-methylthio- 1,3,5-triazine
 CAS 000834-12-8
 Index 613-010-00-0
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2),36,60,61
 212-634-7

amidithion (ISO)

2-methoxyethylcarbamoylmethylO,O-dimethyl
 phosphorodithioate
 CAS 000919-76-6
 Index 015-080-00-2
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24,36

amines, polyethylenepoly-

HEPA
 CAS 068131-73-7
 Index 612-121-00-1
 Class'n Xn: R21/22 C: R34 R43 N: R50, 53
 Label C, N
 R21/22,34,43,50/53
 S(1/2),26,36/37/39,45, 60, 61
 268-626-9
 Conc Conc >= 25% C: R21/22,34,43
 Conc >= 10% and < 25% C: R34,43
 Conc >= 5% and < 10% Xi: R36/38,43
 Conc >= 1% and < 5% Xi: R43

4-aminoazobenzene

4-phenylazoaniline
 CAS 000060-09-3
 Index 611-008-00-4
 Class'n Carc Cat 2: R45 N: R50, 53
 Label T, N
 R45,50/53
 S53,45,60,61
 200-453-6

o-aminoazotoluene

4-o-toly lazo-o-toluidine
 4-amino-2',3-dimethylazobenzene
 fast garnet GBC base
 AAT
 CAS 000097-56-3
 Index 611-006-00-3
 Class'n Carc Cat 2: R45 R43
 Label T
 R45,43
 S53,45
 202-591-2

3-aminobenzene sulphonic acid

metanilic acid
 CAS 000121-47-1
 Index 612-013-00-4
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2),25,28
 204-473-6

4-aminobenzenesulphonic acid

sulphanilic acid
 CAS 000121-57-3
 Index 612-014-00-X
 Class'n Xi: R36/38 R43
 Label Xi
 R36/38,43
 S(2),24,37
 204-482-5

3-aminobenzylamine

CAS 004403-70-7
 Index 612-180-00-3
 Class'n Xn: R22 C: R34 N: R51, 53
 Label C, N
 R22,34,51/53
 S(1/2), 22,26,36/37/39, 61
 412-230-2

4-aminobiphenyl Note E

biphenyl-4-ylamine
 xenylamine
 CAS 000092-67-1
 Index 612-072-00-6
 Class'n Carc Cat 1: R45 Xn: R22
 Label T
 R45,22
 S53,45
 202-177-1

4-aminobiphenyl, salts of Notes A and E

biphenyl-4-ylamine,salts of
 xenylamine, salts of
 Index 612-073-00-1
 Class'n Carc Cat 1: R45 Xn: R22
 Label T
 R45,22
 S53,45

(S)-2-aminobutane Note C

(S)-sec-butylamine
(R)-sec-butylamine
(R)-2-aminobutane
sec-butylamine
2-aminobutane

CAS 000513-49-5
Index 612-052-00-7
Class'n F: R11 Xn: R20/22 C: R35 N: R50
Label F, C, N
R11,20/22,35,50
S(1/2),9,16,26,28,36/37/39,45,61
208-164-7

(R)-2-aminobutane Note C

(S)-sec-butylamine
(S)-2-aminobutane
(R)-sec-butylamine
sec-butylamine
2-aminobutane

CAS 013250-12-9
Index 612-052-00-7
Class'n F: R11 Xn: R20/22 C: R35 N: R50
Label F, C, N
R11,20/22,35,50
S(1/2),9,16,26,28,36/37/39,45,61
236-232-6

2-aminobutane Note C

(S)-sec-butylamine
(S)-2-aminobutane
(R)-sec-butylamine
(R)-2-aminobutane
sec-butylamine

CAS 013952-84-6
Index 612-052-00-7
Class'n F: R11 Xn: R20/22 C: R35 N: R50
Label F, C, N
R11,20/22,35,50
S(1/2),9,16,26,28,36/37/39,45,61
237-732-7

aminocarb (ISO)

4-dimethylamino-3-tolyl methylcarbamate

CAS 002032-59-9
Index 006-018-00-5
Class'n T: R24/25 N: R50, 53
Label T, N
R24/25,50/53
S(1/2),28,36/37,45,60,61
217-990-7

7-amino-3-((5-carboxymethyl-4-methyl-1,3-thiazol-2-ylthio)methyl)-8-oxo-5-thia-1-azabicyclo(4,2,0)oct-2-ene-2-carboxylic acid

CAS 111298-82-9
Index 613-097-00-5
Class'n R42/43 R52, 53
Label Xn
R42/43,52/53
S(2),22,24,37,61
403-690-5

2-amino-4-chloro-6-methoxypyrimidine

CAS 005734-64-5
Index 613-154-00-4
Class'n Xn: R22
Label Xn
R22
S(2),22
410-050-9

mixture of

3-[(4-amino-2-chloro-5-nitrophenyl)amino]-propane-1,2-diol

and

3,3'-(2-chloro-5-nitro-1,4-phenylenediimino) bis (propan-1,2-diol)

Index 603-133-00-8 (see Part
Class'n Xn: R22 R52, 53
Label Xn
R22,52/53
S(2),22,36,61
408-240-1

5-amino-4-chloro-2-phenylpyridazine-3-(2H)-one

chloridazon (ISO)
pyrazon

CAS 001698-60-8
Index 606-035-00-3
Class'n R43 N: R50, 53
Label Xi, N
R43,50/53
S(2),24,37,60,61
216-920-2

• **(9S)-9-amino-9-deoxyerythromycin**

CAS 026116-56-3
Index 607-341-00-X
Class'n Xi: R41 N: R50, 53
Label Xi, N
R41,50/53
S(2)26,39,60,61
406-790-7

4-amino-3,5-dichloro-6-fluoro-2-pyridyloxyacetic acid

fluroxypyr (ISO)

CAS 069377-81-7
Index 607-255-00-2
Class'n R52, 53
Label R52/53
S61

4-amino-N,N-diethylaniline

N,N-diethyl-p-phenylenediamine

CAS 000093-05-0
Index 612-080-00-X
Class'n T: R25 C: R34
Label T
R25,34
S(1/2),26,36,45
202-214-1

4-amino-4,5-dihydro-6-(1,1-dimethylethyl)-3-methylthio-1,2,4-triazin-5-one
metribuzin (ISO)
4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one
CAS 021087-64-9
Index 606-034-00-8
Class'n Xn: R22 N: R50, 53
Label Xn, N
R22, 50/53
S(2), 60, 61
244-209-7

4-amino-N,N-dimethylaniline Note C
CAS 000099-98-9
Index 612-031-00-2 (see Part III)
Class'n T: R23/24/25
Label T
R23/24/25
S(1/2), 28, 45
202-807-5

3-amino-N,N-dimethylaniline Note C
CAS 002836-04-6
Index 612-031-00-2 (see Part III)
Class'n T: R23/24/25
Label T
R23/24/25
S(1/2), 28, 45
220-623-3

4-amino-2',3-dimethylazo benzene
4-o-tolylazo-o-toluidine
fast garnet GBC base
AAT:
o-aminoazotoluene
CAS 000097-56-3
Index 611-006-00-3
Class'n Carc Cat 2: R45 R43
Label T
R45, 43
S53, 45
202-591-2

2-amino-4,6-dinitrophenol
picramic acid
CAS 000096-91-3
Index 612-034-00-9
Class'n E RI Xn: R20/21/22 R52, 53
Label E, Xn
R1, 20/21/22, 52/53
S(2), 35, 61
202-544-6

2-aminoethanol
ethanolamine
CAS 000141-43-5
Index 603-030-00-8
Class'n Xn: R20 Xi: R36/37/38
Label Xn
R20, 36/37/38
S(2)
205-483-3

2-amino-6-ethoxy-4-methylamino-1,3,5-triazine
CAS 062096-63-3
Index 613-096-00-X
Class'n Xn: R22
Label Xn
R22
S(2)
403-580-7

2-aminoethyl dimethylamine
2-dimethylaminoethylamine
CAS 000108-00-9
Index 612-075-00-2
Class'n F: R11 Xn: R21/22 C: R35
Label F, C
R11, 21/22, 35
S(1/2), 16, 23, 26, 28, 36, 45
203-541-2

mixture of
N-aminoethylpiperazonium di-2,4,6-trimethylnonyldiphenyl ether di-sulfonate
and
N-aminoethylpiperazonium mono-2,4,6-trimethylnonyldiphenyl ether di-sulfonate
Index 607-293-00-X (see Part III)
Class'n Xi: R41 R43 N: R51, 53
Label Xi, N
R41, 43, 51/53
S(2), 26, 36/37/39, 61
410-650-0

mixture of
N-aminoethylpiperazonium mono-2,4,6-trimethylnonyldiphenyl ether di-sulfonate
and
N-aminoethylpiperazonium di-2,4,6-trimethylnonyldiphenyl ether di-sulfonate
Index 607-293-00-X (see Part III)
Class'n Xi: R41 R43 N: R51, 53
Label Xi, N
R41, 43, 51/53
S(2), 26, 36/37/39, 61
410-650-0

N-(2-(4-amino-N-ethyl-m-toluidino)ethyl) methanesulphonamide sesquisulphate
4-(N-ethyl-N-2-methanesulphonylaminoethyl)-2-methylphenylenediamine sesquisulphate monohydrate
CAS 025646-71-3
Index 612-134-00-2
Class'n Xn: R22 R43 N: R50, 53
Label Xn, N
R22, 43, 50/53
S(2), 24, 37, 60, 61
247-161-5

4-amino-3-fluorophenol Note E
CAS 000399-95-1
Index 604-028-00-X
Class'n Carc Cat 2: R45 Xn: R22 Xi: R43 N: R51, 53
Label T, N
R45, 22, 43, 51/53
S53, 45, 61
402-230-0

• 3-amino-4-hydroxy-N-(2-methoxyethyl)-benzenesul fonamide
 CAS 112195-27-4
 Index 016-072-00-1,
 Class'n Xi: R41 R43 N: R51, 53
 Label Xi, N
 R41,43,51/53
 S(2),24,26,37/139, 61
 411-520-6

3-(3-amino-5-(1-methylguanidino)-1-oxopentylamino-6-(4-amino-2-oxo-2,3-dihydro-pyrimidin-1-yl)-2,3-dihydro-(6H)-pyran-2-carboxylic acid
 blasticidin-s
 CAS 002079-00-7
 Index 607-155-00-9
 Class'n T+: R28
 Label T+
 R28
 S(1/2),24/25,36/37,45

4-amino-3-methyl-6-phenyl-1,2,4-triazin-S-one
 metamitron
 CAS 041394-05-2
 Index 613-129-00-8
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2),60,61
 255-349-3

2-amino-2-methylpropanol
 CAS 000124-68-5
 Index 603-070-00-6
 Class'n Xi: R36/38 R52, 53
 Label Xi
 R36/38,52/53
 S(2),61
 204-709-8
 Conc Conc >= 10% Xi: R36/38

• 8-amino-7-methylquinone
 CAS 005470-82-6
 Index 613-177-00-X
 Class'n Xn: R21/22 R43 N: R51/53
 Label Xn, N
 R21/22,43,51/53
 S(2),36/37,61
 412-760-4

3-aminomethyl-3,5,5-trimethylcyclohexylamine
 CAS 002855-13-2
 Index 612-067-00-9
 Class'n Xn: R21/22 C: R34 R43 R52,53
 Label C
 R21/22,34,43,52/53
 S(1/2),26,36/37/39,45,61
 220-666-8
 Conc Conc >= 25% C: R21/22,34,43
 Conc >= 10% and < 25% C: R34,43
 Conc >= 5% and < 10% Xi: R36/38,43
 Conc >= 1% and < 5% Xi: R43

• 2-(O-aminooxy)ethylamine dihydrochloride
 CAS 037866-45-8
 Index 612-175-00-6
 Class'n R43 R52, 53
 Label Xi
 R43,52/53
 S(2),24,37,61
 412-310-7

■ 2-aminophenol
 CAS 000095-55-6
 Index 612-033-00-3
 Class'n Xn: R20/22 Muta Cat 3: R68
 Label Xn
 R20/22,68
 S(2),28,36/37
 202-431-1

3-aminophenol
 CAS 000591-27-5
 Index 612-127-00-4
 Class'n Xn: R20/22 N: R51,53
 Label Xn, N
 R20/22,51/53
 S(2),28,61
 209-711-2

■ 4-aminophenol
 CAS 000123-30-8
 Index 612-128-00-X
 Class'n Muta Cat 3: R68 Xn: R20122 N R50, 53
 Label Xn, N
 R20/22,50/53,68
 S(2),28,36/37,60,61
 204-616-2

(4-aminophenyl)-N-methylmethylsulfonamide
 hydrochloride
 CAS 088918-84-7
 Index 616-038-00-1
 Class'n Xi: R41 R43 N: R51, 53
 Label Xi, N
 R41,43,51/53
 S(2),24,26,37/39,61
 406-010-5

mixture of
 7-(((3-aminophenyl)sulfonyl)amino)-naphthalene-1,3-disulfonic acid
 and
 sodium 7-(((3-aminophenyl)sulfonyl)amino)-naphthalene-1,3-disulfonate
 and
 potassium 7-(((3-aminophenyl)sulfonyl)amino)-naphthalene-1,3-disulfonate
 Index 607-285-00-6 (see PartIII)
 Class'n R43
 Label Xi
 R43
 S(2),22,24,37
 410-065-0



5-amino-3-phenyl-1,2,4-triazol-1-yl-N,N,N',N'-
tetramethylphosphonic diamide

triamiphos (ISO)

CAS 001031-47-6

Index 015-024-00-7

Class'n T+: R27/28

Label T+
R27/28

S(1/2), 22, 28, 36/37, 45

2-aminopropane
isopropylamine

CAS 000075-31-0

Index 612-007-00-1

Class'n F+: R12 Xi: R36/37/38

Label F+, Xi
R12, 36/37/38
S(2), 16, 26, 29
200-860-9

1-aminopropan-2-ol
isopropanolamine

CAS 000078-96-6

Index 603-082-00-1

Class'n C: R34

Label C
R34
S(1/2), 23, 26, 36, 45
201-162-7

3-aminopropyl-diethylamine

N,N-diethyl-1,3-diaminopropane

CAS 000104-78-9

Index 612-062-00-1

Class'n R10 Xn: R21/22 C: R34 Xi: R43

Label C
R10, 21/22, 34, 43
S(1/2), 26, 36/37/39, 45
203-236-4

Conc Conc >= 25% C: R21/22, 34, 43
Conc >= 10% and < 25% C: R34, 43
Conc >= 5% and < 10% Xi: R36/37/39, 45
Conc >= 1% and < 5% Xi: R43

3-aminopropyl-dimethylamine

N,N-dimethyl-1,3-diaminopropane

CAS 000109-55-7

Index 612-061-00-6

Class'n R10 Xn: R22 C: R34 R43

Label C
R10, 22, 34, 43
S(1/2), 26, 36/37/39, 45
203-680-9

Conc Conc >= 25% C: R22, 34, 43
Conc >= 10% and < 25% C: R34, 43
Conc >= 5% and < 10% Xi: R36/37/39, 45
Conc >= 1% and < 5% Xi: R43

3-aminopropyltriethoxysilane

CAS 000919-30-2

Index 612-108-00-0

Class'n Xn: R22 C: R34

Label C
R22, 34
S(1/2), 26, 36/37/39, 45
213-048-4

• 2-aminosulfonyl-N,N-dimethylnicotinamide

CAS 112006-75-4

Index 61 6-088-00-4

Class'n R43 R52, 53

Label Xi
R43, 52/53
5(2), 24, 37, 61
413-440-7

4-aminod-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one
metribwin (ISO)

4-amino-4,5-dihydro-6- λ ,1-dimethylethyl-3-methylthio-1,2,4-
triazin-5-one

CAS 021087-64-9

Index 606-034-00-8

Class'n Xn: R22 N: R50, 53

Label Xn, N
R22, 50/53
S(2), 60, 61
244-209-7

• 2-(2-amino-1,3-thiazol-4-yl)-(Z)-2-methoxyiminoacetyl
chloride hydrochloride

CAS 119154-86-8

Index 607-365-00-0

Class'n Xn: R22 C: R34 R43

Label C
R22, 34, 43
S(1/2), 22, 26, 36/37/39, 45
410-620-7

■ 3-aminotoluene

m-toluidine

CAS 000108-44-1

Index 612-024-00-4

Class'n T: R23/24/25 R33 N: R50

Label T, N
R23/24/25, 33, 50
S(1/2), 28, 36/37, 45, 61
203-583-1

2-aminotoluene Note E

o-toluidine

CAS 000095-53-4

Index 612-091-00-X

Class'n Carc Cat 2: R45 T: R23/25 Xi: R36 N: R50

Label T, N
R45, 23/25, 36, 50
S53, 45, 61
202-429-0

• 4-aminotoluene

CAS 000106-49-0

Index 612-160-00-4 (see Part III)

Class'n Carc Cat 3: R40 T: R23/24/25 Xi: R36 R43
N: R50

Label T, N
R23/24/25, 36, 40, 43, 50
S(1/2), 28, 36/37, 45, 61
203-403-1

aminotriazole

amitrole (BO)

1,2,4-triazol-3-ylamine

CAS 000061-82-5

Index 613-011-00-6

Class'n Carc Cat 3: R40 Xn: R48/22 N: R51, 53

Label Xn, N

R40,48/22,51/53

S(2),36,37,61

200-521-5

• 5-amino-2,4,6-triiodo-1,3-benzenedicarbonyldichloride

CAS 037441-29-5

Index 607-374-00-X

Class'n R43 N: R51, 53

Label Xi, N

R43,51/53

S(2),22,36/37,61

417-220-1

amitraz (ISO)

N,N-bis(2,4-~yliminomethyl) methylamine

CAS 033089-61-1

Index 612-086-00-2

Class'n Xn: R22

Label Xn

R22

S(2),22

251-375-4

amitrole (ISO)

1,2,4-triazol-3-ylamine

aminotriazole

CAS 000061-82-5

Index 613-011-00-6

Class'n Carc Cat 3: R40 Xn: R48/22 N: R51,53

Label Xn, N

R40, 48/22,51/53

S(2),36,37,61

200-521-5

ammonia, anhydrous

CAS 007664-41-7

Index 007-001-00-5

Class'n R10 T: R23 C: R34 N: R50

Label T, N

R10, 23,34,50

S(1/2),9,16,26,36/37/39,45,61

231-635-3

Conc Note 5

Conc >= 5% T: R23,34

Conc >= 0.5% and < 5% Xn: R20,36/37/38

ammonia solution ... % Note B

CAS 001336-21-6

Index 007-001-01-2

Class'n C: R34 N: R50

Label C, N

R34,50

S(112).26,36/37/39,45,61

215-647-6

Conc Conc >= 25% C: N: R34,50

Conc >= 10% and < 25% C: R34

Conc >= 5% and < 10% Xi: R36/37/38

(4-ammonio-m-tolyl)ethyl(2-hydroxyethyl)ammonium

sulphate

4-(N-ethyl-N-2-hydroxyethyl)-2-methylphenylenediamine

sulphate

CAS 025646-77-9

Index 612-133-00-7

Class'n T: R25 Xn: R48/22 R43 N: R50, 53

Label T, N

R25,43,48/22,50/53

S(1/2),24,37,45,60,61

247-162-0

ammonium 2-amino-4-(hydroxymethylphosphinyl)butyrate
glufosinate ammonium

CAS 077182-82-2

Index 015-155-00-X

Class'n Xn: R22

Label Xn

R22

S(2)

278-636-5

ammonium bifluoride

ammonium hydrogen difluoride

CAS 001341-49-7

Index 009-009-00-4

Class'n T: R25 C: R34

Label T, C

R25,34

S(1/2)22,26,37,45

215-676-4

Conc Conc >= 10% T: C: R25, 34

Conc >= 1% and < 10% C: R22,34

Conc >= 0.1% and < 1% Xi: R36/38

ammonium bis(1-(3,5-dinitro-2-oxidophenylazo)-3-(N-phenylcarbamoyl)-2-naphtholato)chromate(1-)

Index 024-011-00-5

Class'n F: R11

Label F

R11

S(2),33

400-110-2

mixture of

ammonium 1-C14-C18-alkyloxycarbonyl-2-(3-allyloxy-2-hydroxypropylcarbonyl) ethane-1-sulfonate

and

ammonium 2-C14-C18-alkyloxycarbonyl-1-(3-allyloxy-2-hydroxypropylcarbonyl)ethane-1-sulfonate

Index 607-290-00-3 (see Part III)

Class'n Xi: R38 R43 N: R50, 53

Label Xi, N

R38,43,50/53

S(2),24,37,60,61

410-540-2

mixture of

ammonium 2-C14-C18-alkyloxycarbonyl-1-(3-allyloxy-2-hydroxypropoxycarbonyl)ethane-1-sulfonate

and

ammonium 1-C14-C18-alkyloxycarbonyl-2-(3-allyloxy-2-hydroxypropoxycarbonyl)ethane-1-sulfonate

Index 607-290-00-3 (see Part III)
 Class'n Xi : R38 R43 N: R50, 53
 Label Xi, N
 R38, 43, 50/53
 S(2), 24, 37, 60, 61
 410-540-2

ammonium chloride

CAS 012125-02-9
 Index 01 7-014-00-8
 Class'n Xn: R22 Xi: R36
 Label Xn
 R22.36
 S(2), 22
 235-186-4

• mixture of

ammonium 5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalate

and

sodium 5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalate

and

5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]d-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalic acid

Index 611-060-00-8 (see Part III)
 Class'n Xi: R41 R43 R52, 53
 Label Xi
 R41, 43, 52/53
 S(2), 22, 24, 26, 37/39, 61
 413-180-4

ammonium dichromate Note E

CAS 007789-09-5
 Index 024-003-00-1
 Class'n E: R10 R8 Carc Cat 2: R49 Muta Cat 2: R46 T+: R26 T: R25 Xn: R21 Xi: R37/38, 41 R43 N: R50, 53
 Label E, T+, N
 R49, 46, 1, 8, 21, 25, 26, 37/38, 41, 43, 50/53
 S53, 45, 60, 61
 232-143-1
 Conc Note 3
 Conc >= 7% Tt: R49, 46, 21, 25, 26, 37/38, 41, 43
 Conc >= 0.5% and < 7% T: R49, 46, 43
 Conc >= 0.1% and < 0.5% T: R49, 46

ammonium 7-(2,6-dimethyl-8-(2,2-dimethylbutyryloxy)-1,2,6,7,8,8a-hexahydro-1-naphthyl)-3,5-dihydroxyheptanoate

Index 607-273-00-0
 Class'n R52, 53
 Label R52/53
 S61
 404-520-2

■ ammonium 4,6-dinitro-o-tolylxide

DNOC, ammonium salt of
 CAS 002980-64-5
 Index 609-022-00-0
 Class'n T+: R26/27/28 R33 N: R50, 53
 Label T+, N
 R26/27/28, 33, 50/53
 S(1/2), 13, 28, 45, 60, 61
 221-037-0

ammonium fluoride

CAS 012125-01-8
 Index 009-006-00-8
 Class'n T: R23/24/25
 Label T
 R23/24/25
 S(1/2), 26, 45
 235-185-9

ammonium hydrogen difluoride

ammonium bifluoride
 CAS 001341-49-7
 Index 009-009-00-4
 Class'n T: R25 C: R34
 Label T, C
 R25; 34
 S(1/2), 22, 26, 37, 45
 215-676-4
 Conc Conc >= 10% T: C: R25, 34
 Conc >= 1% and < 10% C: R22, 34
 Conc >= 0.1% and < 1% Xi: R36/38

• ammonium molybdate and C12-C24-diethoxylated alkylamine (1:5-1:3); reaction product of

Index 042-004-00-5
 Class'n Xi: R38 R43 N: R51, 53
 Label Xi, N
 R38, 43, 51/53
 S24/25, 37, 61
 412-780-3

ammonium perchlorate Note G

CAS 007790-98-9
 Index 017-009-00-0
 Class'n O: R9 R44
 Label O
 R9, 44
 S(2), 14, 16, 27, 36/37
 232-235-1

ammonium persulphate

diammonium peroxodisulphate
CAS 007727-54-0
Index 016-060-00-6
Class'n O: R8 Xn: R22 Xi: R36/37/38 R42/43
Label O, Xn
R8, 22, 36/37/38, 42/43
S(2), 22, 24, 26, 37
231-786-5

ammonium polysulphides

CAS 009080-17-5
Index 016-008-00-2
Class'n R31 C: R34 N: R50
Label C, N
R31, 34, 50
S(1/2)26, 45, 61
232-989-1
Conc Conc >= 5% C: R31, 34
Conc >= 1% and < 5% Xi: R31, 36/38

• ammonium (Z)-a-methoxyimino-2-furylacetate

CAS 097148-39-5
Index 607-378-00-1
Class'n F: R11
Label F
R11
S(2), 22, 43
405-990-1

amyl alcohol (except tert-pentanol) Note C

CAS 030899-19-5
Index 603-006-00-7
Class'n R10 Xn: R20
Label Xn
R10, 20
S(2), 24/25
250-378-8
Conc Conc >= 25% Xn: R20

Amylase, α-

CAS 009000-90-2
Index 647-015-00-4
Class'n R42
Label Xn
R42
S(2), 22, 24, 36/37
232-565-6

amylases with the exception of those specified elsewhere in the Approved Supply List

Index 647-016-00-X
Class'n R42
Label Xn
R42
S(2), 22, 24, 36/37

"amyl nitrite", mixed isomers

pentyl nitrite
CAS 000110-46-3
Index 007-020-00-9
Class'n F: R11 Xn: R20/22
Label F, Xn
R11, 20/22
S(2), 16, 24, 46
203-770-8

anhydroglucochloral

chloralose (INN)
(R)-1,2-0-(2,2,2-trichloroethylidene)-α-D-glucopyranose
glucochloralose
CAS 015879-93-3
Index 605-013-00-0
Class'n Xn: R20/22
Label Xn
R20/22
S(2), 16, 24/25, 28
240-016-7

anilazine (ISO)

2-chloro-N-(4,6-dichloro-1,3,5-triazin-2-yl)aniline
CAS 000101-05-3
Index 613-053-00-5
Class'n Xi: R36/38 N: R50, 53
Label Xi, N
R36/38, 50/53
S(2), 22, 60, 61
202-910-5

aniline

CAS 000062-53-3
Index 612-008-00-7
Class'n Carc Cat 3: R40 T: R48/23/24/25 Xn: R20/21/22 N: R50
Label T, N
R20/21/22, 40, 48/23/24/25, 50
S(1/2)28, 36/37, 45, 61
200-539-3
Conc Conc >= 1% T: R20/21/22, 40, 48/23/24/25
Conc >= 0.2% and < 1% Xn: R48/20/21/22

aniline, salts of Note A

Index 612-009-00-2
Class'n Carc Cat 3: R40 T: R48/23/24/25 Xn: R20/21/22 N: R50
Label T, N
R20/21/22, 40, 48/23/24/25, 50
S(1/2), 28, 36/37, 45, 61
Conc Conc >= 1% T: R20/21/22, 40, 48/23/24/25
Conc >= 0.2% and < 1% Xn: R48/20/21/22

6-anilino-1-benzoyl-4-(4-tert-pentylphenoxy)naphtho[1,2,3-de]quinoline-2,7-(3H)-dione

CAS 072453-58-8
Index 606-050-00-5
Class'n N: R51, 53
Label N
R51/53
S61
412-480-2

2'-anilino-6'-((3-ethoxypropyl)ethylamino)-3'-methylspiro(isobenzo-3-oxofuran)-1-(1H)-9'-xanthene

CAS 093071-94-4
Index 612-155-00-7
Class'n R53
Label R53
S61
411-730-8

2'-anilino-3'-methyl-6'-dipentylaminosp~o(isobe~o~an-
l(IH),Y-xanthen)-3-one

Index 606-048-00-4

Class'n N: R50, 53

Label N
R50153
S60,61
406-480-1

o-anisidine Note E

2-methoxy aniline

CAS 000090-04-0

Index 612-035-00-4

Class'n Can: Cat 2: R45 Muta Cat 3: R68 T: R23/24/25

Label T
R45,23/24/25
S53,45
201-963-1

p-anisidine

4methoxyaniline

CAS 000104-94-9

Index 612-1 12-00-2

Class'n T+: R26127128 R33 N: R50

Label T+, N
R26127128,33,50
S(1/2),28,36/37,45,61
203-254-2

antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in the Approved Supply List Note A

Index 051-003-00-9

Class'n Xn: R20122 N: R51, 53

Label Xn, N
R20/22,51/53
S W, 61

Conc Note 1
Conc >= 0.25% Xn: R20/22

antimony pentachloride

CAS 007647-18-9

Index 051-002-00-3

Class'n C: R34 N: R51, 53

Label C, N
R34,51/53
S(1/2),26,45,61
231-601-8

Conc Conc >= 10% C: R34
Conc >= 5% and < 10% Xi: R36/37/38

antimony trichloride

CAS 010025-91-9

Index 051-001-00-8

Class'n C: R34 N: R51, 53

Label C, N
R34,51/53
S(1/2),26,45,61
233-047-2

Conc Conc >= 10% C: R34
Conc >= 5% and < 10% Xi: R36/37/38

antimony trifluoride

CAS 007783-56-4

Index 051-004-00-4

Class'n T: R23/24/25 N: R51, 53

Label T, N
R23/24/25,51/53
S(1/2),7,26,45,61
232-009-2

antimony trioxide

CAS 001309-64-4

Index 051-005-00-X

Class'n Carc Cat 3: R40

Label Xn
R40
S(2), 22, 36/37
215-175-0

antu (ISO)

1-(1-naphthyl)-2-thiourea

CAS 000086-88-4

Index 006-008-00-0

Class'n T+: R28 Carc Cat 3: R40

Label T+
R28,40
S(1/2),25,36/37,45
201-706-3

Conc Note 1

arsenic

CAS 007440-38-2

Index 033-001-00-X

Class'n T: R23/25

Label T
R23125
S(1/2),20/21,28,45
231-148-6

arsenic acid and its salts Notes A and E

Index 033-005-00-1

Class'n Carc Cat 1: R45 T: R23125 N: R50, 53.

Label T, N
R45,23/25,50/53
S53,45, 60, 61

arsenic compounds, with the exception of those specified elsewhere in the Approved Supply List Note A

Index 033-002-00-5

Class'n T: R23/25 N: R50, 53

Label T, N
R23/25,50/53
S(1/2), 20/21, 28,45, 60, 61

Conc Note 1
Conc >= 0.2% T: R23/25
Conc >= 0.1% and < 0.2% Xn: R20/22

arsenic oxide Note E

diarsenic pentaoxide
arsenic pentoxide

CAS 001303-28-2

Index 033-004-00-6

Class'n Carc Cat 1: R45 T: R23/25 N: R50, 53

Label T,N
R45,23/25,50/53
S53,45,60,61
215-116-9

arsenic pentoxide Note Ediarsenic pentaoxide
arsenicoxide

CAS 001303-28-2

Index 033-004-00-6

Class'n Carc Cat 1: R45 T: R23/25 N: R50, 53

Label T, N
R45,23/25,50/53
S53,45,60,61
215-116-9**arsenic trioxide** Note E

diarsenic trioxide

CAS 001327-53-3

Index 033-003-00-0

Class'n Carc Cat 1: R45 T+: R28 C: R34 N: R50, 53

Label T+, N
R45,28,34,50/53
S53,45,60,61
215-481-4**arsine**

CAS 007784-42-1

Index 033-006-00-7

Class'n F+: R12 T+: R26 Xn: R48/20 N: R50,53

Label F+, T+, N
R12,26,48/20,50/53
S(1/2),9,16,28,33,36/37,45,60,61
232-066-3**asbestos** Note ECAS 012001-28-4 132207-32-0 012172-73-5
077536-66-4 077536-68-6 077536-67-5
012001-29-5

Index 650-013-00-6

Class'n Carc Cat 1: R45 T: R48/23

Label T
R45,48/23
S53,45**(2R,6a,S,12aS)-1,2,6,6a,12,12a-hexahydro-2-isopropenyl-8,9-dimethoxychromeno[3,4-b]furo[2,3-h]chromen-6-one**

rotenone

CAS 000083-79-4

Index 650-005-00-2

Class'n T: R25 Xi: R36/37/38 N: R50,53

Label T, N
R25,36/37/38,50/53
S(1/2),22,24/25,36,45,60,61
201-501-9**atrazine (ISO)**

2-chloro-4-ethylamine-6-isopropylamine-1,3,5-triazine

CAS 001912-24-9

Index 613-068-00-7

Class'n Xn: R48/22 R43 N: R50,53

Label Xn, N
R43,48/22,50/53
S(2),36/37,60,61
217-617-8**atropine**

CAS 000051-55-8

Index 614-010-00-3

Class'n T+: R26/28

Label T+

R26/28
S(1/2),25,45
200-104-8**atropine, salts of** Note A

Index 614-011-00-9

Class'n T+: R26/28

Label T+

R26/28
S(1/2),25,45**auramine**

4,4'-carbonimidoylbis[N,N-dimethylaniline]

CAS 000492-80-8

Index 612-096-00-7

Class'n Carc Cat 3: R40 Xn: R22 Xi: R36 N: R51; 53

Label Xn, N
R22,36,40,51/53
S(2),36/37,61
207-762-5**azacozazole(ISO)**

1-(2-(2,4-dichlorophenyl)-1,3-dioxolan-2-yl)methyl)-1H-1,2,4-triazole

CAS 060207-31-0

Index 613-040-00-4

Class'n R44 Xn: R22

Label, Xn
R22,44
S(2),24
262-102-3**3-azidosulfonylbenzoicacid**

CAS 015980-11-7

Index 607-225-00-9

Class'n E: R2 Xn: R48/22 Xi: R41 R43

Label E, Xn
R2,41,43,48/22
S(2),22,26,35,36/37/39
405-310-3**• azimsulfuron (ISO)**

I-(4,6-dimethoxyppyridin-2-yl)-3-[1-methyl-4-(2-methyl-2H-tetrazol-5-yl)pyrazol-5-ylsulfonyl]urea

CAS 120162-55-2

Index 613-163-00-3

Class'n N: R5 53

Label N
R50/53
S60,61**azinphos-ethyl (ISO)**

O,O-diethyl4-oxobenzotriazin-3-ylmethylphosphorodithioate

CAS 002642-71-9

Index 015-056-00-1

Class'n T+: R28 T: R24 N: R50,53

Label T+, N
R24,28,50/53
S(1/2),28,36/37,45,60,61
220-147-6

azirphos-methyl(ISO)

O,O-dimethyl4-oxobenzotriazin-3-ylmethylphosphorodithioate
 CAS 000086-50-0
 Index 015-039-00-9
 Class'n T+: R26/28 T: R24 R43 N: R50,53
 Label T+, N
 R24,26/28,43,50/53
 S(1/2),28,36/37,45,60,61
 201-676-1

aziridine Notes D and E**ethyleneimine**

CAS 000151-56-4
 Index 613-001-00-1
 Class'n F: R11 Carc Cat 2: R45 Muta Cat 2: R46 T+:
 R26/27/28 C: R34 N: R51,53
 Label F, T+, N
 R45,46,11,26/27/28,34,51/53
 S53,45,61
 205-793-9

azobenzene Note E

CAS 000103-33-3
 Index 611-001-00-6
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Xn: R20/22,
 48/22 N: R50,53
 Label T, N
 R45,20/22,48/22,50/53
 S53,45,60,61
 203-102-5

• **2,2'-azobis[2-methylpropionamidine]dihydde**

CAS 002997-92-4
 Index 611-053-00-X
 Class'n Xn: R22 R43
 Label Xn
 R22,43
 S(2),24,37
 221-070-0

azocyclotin

1-(tricyclohexylstannyl)-1H-1,2,4-triazole
 CAS 041083-11-8
 Index 050-019-00-3
 Class'n T+: R26 T: R25 Xi: R37/38,41 N: R50,53
 Label T+, N
 R25,26,37/38,41,50/53
 S(1/2),26,28,36/37/39,38,45,60,61
 255-209-1

azothoate

O4(4-chlorophenylazo)phenylO,O-dimethyl phosphorothioate
 CAS 005834-96-8
 Index 015-082-00-3
 Class'n Xn: R20/22
 Label Xn
 R20/22
 S(2),13
 227-419-3

azoxybenzene

CAS 000495-48-7
 Index 611-002-00-1
 Class'n Xn: R20/22
 Label Xn
 R20/22
 S(2),28
 207-802-1

azoxystrobin

CAS 131860-33-8
 Index 607-256-00-X
 Class'n T: R23 N: R50,53
 Label T, N
 R23,50/53
 S(1/2),22,45,60,61

barban(ISO)

4-chlorbut-2-ynyl N-(3-chlorophenyl)carbamate
 CAS 000101-27-9
 Index 006-020-00-6
 Class'n Xn: R22 R43 N: R50,53
 Label Xn, N
 R22,43,50/53
 S(2),24,36/37,60,61
 202-930-4

barium carbonate

CAS 000513-77-9
 Index 056-003-00-2
 Class'n Xn: R22
 Label Xn
 R22
 S(2),24/25
 208-167-3

barium chlorate

CAS 013477-00-4
 Index 017-003-00-8
 Class'n: O:R9 Xn: R20/22
 Label O,Xn
 R9,20/22
 S(2),13,27
 236-760-7

barium chloride

CAS 010361-37-2
 Index 056-004-00-8
 Class'n T: R25 Xn: R20
 Label T
 R20,25
 S(1/2),45
 233-788-1

barium perchlorate

CAS 013465-95-7
 Index 017-007-00:X
 Class'n O: R9 Xn: R20/22
 Label O, Xn
 R9,20/22
 S(2),27
 236-710-4

barium peroxide

CAS 001304-29-6
 Index 056-001-00-1
 Class'n O: R8 Xn: R20122
 Label O, Xn
 R8,20/22
 S(2), 13, 27
 215-128-4

■ barium polysulphides

CAS 050864-67-0
 Index 016-003-00-5
 Class'n R31 Xi: R36/37138 N: R50
 Label Xi, N
 R31,36/37/38,50
 S(2), 28, 61
 256-814-3

barium salts, with the exception of barium sulphate, salts of 1-azo-2-hydroxynaphthalenyl aryl sulphonic acid, and of salts specified elsewhere in the Approved Supply List Note A

Index 056-002-00-7
 Class'n Xn: R20122
 Label Xn
 R20/22
 S(2), 28
 Conc Note 1
 Conc >= 1% Xn: R20/22

■ barium sulphide

CAS 021109-95-5
 Index 016-002-00-X
 Class'n R31 Xi: R20/22 N: R50
 Label Xn, N
 R20/22, 31, 50
 S(2), 28, 61
 244-214-4

basic phenylmercury nitrate

phenylmercury nitrate
 phenylmercury hydroxide
 CAS 008003-05-2
 Index 080-008-00-9
 Class'n T: R25,48/24/25 C: R34 N: R50,53
 Label T, N
 R25,34,48/24/25,50/53
 S(1/2), 23, 24/25, 37, 45, 60, 61

benazolin (ISO)

4-chloro-2,3-dihydro-2-oxo-1,3-benzothiazol-3-ylacetic acid
 CAS 003813-05-6
 Index 607-153-00-8
 Class'n Xi: R36/38 R52, 53
 Label Xi
 R36/38, 52/53
 S(2), 22, 61
 223-297-0

• benazolin-ethyl

ethyl 4-chloro-2-oxo-2H-benzothiazole-3-acetate
 CAS 025059-80-7
 Index 607-311-00-6
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 246-591-0

bendiocarb (ISO)

2,2-dimethyl-1,3-benzodioxold-yl N-methylcarbamate
 CAS 022781-23-3
 Index 006-046-00-8
 Class'n T: R23/25 Xn: R21 N: R50, 53
 Label T, N
 R21, 23/25, 50/53
 S(1/2), 22, 36/37, 45, 60, 61
 245-216-8

benbcarb (ISO)

ethyl N-[2,3-dihydro-2,2-dimethylbenzofuran-7-yl]oxycarbonyl (methyl)aminothio]-N-isopropyl-β-alanine
 CAS 082560-54-1
 Index 006-088-00-7
 Class'n T: R23/25 N: R50, 53
 Label T, N
 R23/25, 50/53
 S(1/2), 36/37, 45, 60, 61

■ benomyl (ISO)

methyl 1-(butylcarbamoyl)benzimidazol-2-ylcarbamate
 CAS 017804-35-2
 Index 613-049-00-3
 Class'n Muta Cat 3: R68
 Label Xn
 R68
 S(2), 36/37
 241-775-7

benquinox (ISO)

p-benzoquinone 1-benzoylhydrazone 4-oxime
 CAS 000495-73-8
 Index 650-006-00-8
 Class'n T: R25 Xn: R21
 Label T
 R21, 25
 S(1/2), 36/37, 45
 207-807-9

bensulide (ISO)

O,O-diisopropyl 2-phenylsulphonylaminoethyl phosphorodithioate
 CAS 000741-58-2
 Index 015-083-00-9
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24, 36
 212-010-4

bensultap

1,3-bis (phenylsulfonylthio)-2-(N,N-dimethylamino)propane
 CAS 017606-31-4
 Index 016-062-00-7
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61

bentazone (ISO)

3-isopropyl-2,1,3-benzothiadiazine-4-one-2,2-dioxide
 CAS 025057-89-0
 Index 613-012-00-1
 Class'n Xn: R22 Xi: R36 R43 R52, 53
 Label Xn:
 R22, 36, 43, 52/53
 S(2), 24, 37, 61
 246-585-8

benzal chloride

α, α -dichlorotoluene
 benzylidene chloride
 CAS 000098-87-3
 Index 602-058-00-8
 Class'n Carc Cat 3: R40 T: R23 Xn: R22 Xi: R37/38, 41
 Label T
 R22, 23, 37/38, 40, 41
 S(1/2), 36/37, 38, 45
 202-709-2

benzaldehyde

CAS 000100-52-7
 Index 605-012-00-5
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24
 202-860-4

benz(e)acephenanthrylene

CAS 000205-99-2
 Index 601-034-00-4
 Class'n Carc Cat 2: R45 N: R50, 53
 Label T, N
 R45, 50/53
 S53, 45, 60, 61
 205-911-9

benzene Note E

CAS 000071-43-2
 Index 601-020-00-8
 Class'n F: R11 Carc Cat 1: R45 T: R48/23/24/25
 Label F, T
 R45, 11, 48/23/24/25
 S53, 45
 200-753-7

benzene-1,4-diamine dihydrochloride

p-phenylenediamine dihydrochloride
 CAS 000624-18-0
 Index 612-029-00-1
 Class'n T: R23/24/25 Xi: R36 R43 N: R50, 53
 Label T, N
 R23/24/25, 36, 43, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 210-834-9

1,3-benzenediol

resorcinol
 CAS 000108-46-3
 Index 604-010-00-1
 Class'n Xn: R22 Xi: R36/38 N: R50
 Label Xn, N
 R22, 36/38, 50
 S(2), 26, 61
 203-585-2
 Conc Conc \geq 20% Xn: R22, 36/38
 Conc \geq 10% and \leq 20% Xn: R22

benzene-1,2:4,5-tetracarboxylic dianhydride

pyromellitic dianhydride
 CAS 000089-32-7
 Index 607-098-00-X
 Class'n Xi: R41 R42143
 Label Xn
 R41, 42/43
 S(2), 22, 24, 26, 37/39
 201-898-9

benzene-1,2,4-tricarboxylic acid 1,2-anhydride

trimellitic anhydride
 CAS 000552-30-7
 Index 607-097-00-4
 Class'n Xi: R37, 41 R42/43
 Label Xn
 R37, 41, 42/43
 S(2), 22, 26, 36/37/39
 209-008-0

benzidine Note E

1,1'-biphenyl-4,4'-diamine
 4,4'-diaminobiphenyl
 biphenyl-4,4'-ylenediamine
 CAS 000092-87-5
 Index 612-042-00-2
 Class'n Carc Cat 1: R45 Xn: R22 N: R50, 53
 Label T, N
 R45, 22, 50/53
 S53, 45, 60, 61
 202-199-1
 Conc Conc \geq 25% T: R45, 22
 Conc \geq 0.01% and \leq 25% T: R45

benzidine, acetate salts of Notes A and E

benzidine, dihydrochloride salts of,
 benzidine, sulphate (1:1) salts of,
 benzidine, sulphate salts of
 CAS 036341-27-2
 Index 612-070-00-5
 Class'n Carc Cat 1: R45 Xn: R22 N: R50, 53
 Label T, N
 R45, 22, 50/53
 S53, 45, 60, 61
 252-984-8

benzidine based azo dyes Note A

4,4'-diarylazobiphenyl dyes, with the exception of those specified elsewhere in the Approved Supply List
 Index 611:024-00-1
 Class'n Carc Cat 2: R45
 Label T
 R45
 S45, 53

benzidine, dihydrochloride salts of, Notes A and Ebenzidine, sulphate (1:1) salts of,
benzidine, sulphate salts of
benzidine, acetate salts of

CAS 000531-85-1

Index 612-070-00-5

Class'n Carc Cat 1: R45 Xn: R22 N: R50, 53

Label T, N
R45,22,50/53
S53,45,60,61
208-519-6

benzidine, sulphate (1:1) salts of, Notes A and Ebenzidine, dihydrochloride salts of,
benzidine, sulphate salts of
benzidine, acetate salts of

CAS 000531-86-2

Index 612-070-00-5

Class'n Carc Cat 1: R45 Xn: R22 N: R50, 53

Label T, N
R45,22,50/53
S53,45,60,61
208-520-1

benzidine, sulphate salts of Notes A and Ebenzidine, dihydrochloridesalts of,
benzidine, sulphate (1:1) salts of,
benzidine, acetate salts of

CAS 021136-70-9

Index 612-070-00-5

Class'n Carc Cat 1: R45 Xn: R22 N: R50,53

Label T, N
R45,22,50/53
S53,45,60,61
244-236-4

1,2-benzisothiazolin-3-one

1,2-benzisothiazol-3(2H)-one

CAS 002634-33-5

Index 613-088-00-6

Class'n Xn: R22 Xi: R38, 41 R43 N: R50

Label Xn, N
R22,38,41,43,50
S(2),24,26,37/39,61
220-120-9conc Conc >= 25% Xn: R22, 38,41,43
Conc >= 20% and < 25% Xi: R38,41,43
Conc >= 10% and < 20% Xi: R41,43
Conc >= 5% and < 10% Xi: R36,43
Conc >= 0.05% and < 5% Xi: R43

1,2-benzisothiazol-3(2H)-one

1,2-benzisothiazolin-3-one

CAS 002634-33-5

Index 613-088-00-6

Class'n Xn: R22 Xi: R38,41 R43 N: R50

Label Xn, N
R22,38,41,43,50
S(2),24,26,37/39,61
220-120-9Conc Conc >= 25% Xn: R22, 38,41,43
Conc >= 20% and < 25% Xi: R38,41,43
Conc >= 10% and < 20% Xi: R41,43
Conc >= 5% and < 10% Xi: R36,43
Conc >= 0.05% and < 5% Xi: R43

benzo[a]anthracene

CAS 000056-55-3

Index 601-033-00-9

Class'n Carc Cat 2: R45 N: R50, 53

Label T, N
R45,50/53
S53,45,60,61
200-280-6

benzo[a]pyrene

benzo[def]chrysene

CAS 000050-32-8

Index 601-032-00-3

Class'n Carc Cat 2: R45 Muta Cat 2: R46 Repr Cat 2:
R60,61 N: R50,53Label T, N
R45,46,60,61,50/53
S53,45,60,61
200-028-5

(Z)-1-benzo(b)thien-2-ylethanone oxime hydrochloride

Index 612-157-00-8

Class'n Xn: R22,48/22 Xi: R41 R43 N: R51,53

Label Xn, N
R22,41,43,48/22,51/53
S(2),22,26,36/37/39,61
410-780-8

benzo[def]chrysene

benzo[a]pyrene

CAS 000050-32-8

Index 601-032-00-3

Class'n Carc Cat 2: R45 Muta Cat 2: R46 Repr Cat 2:
R60,61 N: R50,53Label T, N
R45,46,60,61,50/53
S53,45,60,61
200-028-5

• 1-(1,4-benzodioxan-2-ylcarbonyl)piperazine hydrochloride

CAS 070918-74-0

Index 616-090-00-5

Class'n T: R23/24/25 Xn: R48/22 N: R51,53

Label T, N
R23/24/25,48/22,51/53
S53,45,61
415-660-9

benzo[e]pyrene

CAS 000192-97-2

Index 601-049-00-6

Class'n Carc Cat 2: R45 N: R50, 53

Label T, N
R45,50/53
S53,45,60,61
205-892-7

benzguanamine

6-phenyl-1,3,5-triazine-2,4-diyl diamine
 6-phenyl-1,3,5-triazine-2,4-diamine
 CAS 000091-76-9
 Index 613-038-00-3
 Class'n Xn: R22 R52, 53
 Label Xn
 R22,52/53
 S(2),61
 202-095-6

benzo[j]fluoranthene

CAS 000205-82-3
 Index 601-035-00-X
 Class'n Carc Cat 2: R45 N: R50, 53
 Label T, N
 R45,50/53
 S53,45,60,61
 205-910-3

benzo (k)fluoranthene

CAS 000207-08-9
 Index 601-036-00-5
 Class'n Carc Cat 2: R45 N: R50, 53
 Label T, N
 R45,50/53
 S53,45,60,61
 205-916-6

benzonitrile

CAS 000100-47-0
 Index 608-012-00-
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2),23
 202-855-7

benzophenone-3,3',4,4'-tetracarboxylic dianhydride

4,4'-carbonyldi(phthalic anhydride)
 CAS 002421-28-5
 Index 607-100-00-9
 Class'n Xi: R36/37
 Label Xi
 R36/37
 S(2), 25
 219-348-1
 Conc Conc >= 1% Xi: R36/37

p-benzoquinone quinone

CAS 000106-51-4
 Index 606-013-00-3
 Class'n T: R23/25 Xi: R36/37/38 N: R50
 Label T, N
 R23/25,36/37/38,50
 S(1/2),26, 28,45, 61
 203-405-2

pbenzoquinone 1-benzoylhydrazone 4-oxime

benquinox(ISO)
 CAS 000495-73-8
 Index 650-006-00-8
 Class'n T: R25 Xn: R21
 Label T
 R21,25
 S(1/2),36/37,45
 207-807-9

- benzo[1,2,3]thiadiazole-7-carbothioic acid S-methyl ester acibenzolar-S-methyl

CAS 135158-54-2
 Index 016-083-00-1
 Class'n Xi: R36/37/38 R43 N: R50,53
 Label Xi, N
 R36/37/38,43,50/53
 S(2),24/25,37,46,59,60, 61
 420-050-0

benzothiazole-2-thiol

CAS 000149-30-4
 Index 613-108-00-3
 Class'n R43 N: R50, 53
 Label Xi, N
 R43,50/53
 S(2), 24,37, 60, 61
 205-736-8

1- (1,3-benzothiazol-2-yl)1,3-dimethylurea

methabenzthiazuron (ISO)
 CAS 018691-97-9
 Index 613-137-00-1
 Class'n N: R50, 53
 Label N
 R50/53
 S60,61
 242-505-0

1-benzothiazol-2-yl-3-methylurea

benzthiazuron (ISO)
 CAS 001929-88-0
 Index 006-036-00-3
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24/25
 217-685-9

2-(benzothiazol-2-yloxy)-N-methyl-N-phenylacetamide

mefenacet
 CAS 073250-68-7
 Index 612-139-00-X
 Class'n N: R51, 53
 Label N
 R51 153
 S61
 277-328-8

(benzothiazol-2-ylthio)methyl thiocyanate

TCMTB

CAS 021564-17-0

Index 613-119-00-3

Class'n Tt: R26 Xn: R22 Xi: R36138 R43 N: R50,53

Label Tt, N
R22,26,36/38,43,50/53
S(1/2),28,36/37,38,45,60,61
244-445-0

(benzothiazol-2-ylthio)succinic acid

CAS 095154-01-1

Index 607-179-00-X

Class'n R43

Label Xi

R43
S(2),24,37
401-450-4

• mixture of

2-(2H-benzotriazol-2-yl)-4-methyl-5,6-
didodecylphenol isomers

and

2-(2H-benzotriazol-2-yl)-4-methyl-(n)-dodecylphenol
(n=5 or 6) isomers

and

2-(2H-benzotriazol-2-yl)-4-methyl-(n)-
tetracosylphenol (n=5 or 6) isomers

Index 604-057-00-8 (see Part III)

Class'n N: R51, 53

Label N

R51/53
S61
401-680-5

• mixture of

2-(2H-benzotriazol-2-yl)-4-methyl-(n)-dodecylphenol
(n=5 or 6) isomers

and

2-(2H-benzotriazol-2-yl)-4-methyl-(n)-
tetracosylphenol (n=5 or 6) isomers

and

2-(2H-benzotriazol-2-yl)-4-methyl-5,6-
didodecylphenol isomers

Index 604-057-00-8 (see Part III)

Class'n N: R51, 53

Label N

R51/53
S61
401-680-5

• mixture of

2-(2H-benzotriazol-2-yl)-4-methyl-(n)-
tetracosylphenol (n=5 or 6) isomers

and

2-(2H-benzotriazol-2-yl)-4-methyl-(n)-dodecylphenol
(n=5 or 6) isomers

and

2-(2H-benzotriazol-2-yl)-4-methyl-5,6-
didodecylphenol isomers

Index 604-057-00-8 (see Part III)

Class'n N: R51, 53

Label N

R51/53
S61
401-680-5

mixture of

 **α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-
hydroxyphenyl)propionyl-omega-3-(3-(2H-
benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)
propionyloxypoly(oxyethylene)**

and

 **α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-
hydroxyphenyl)propionyl-omega-3-(3-(2H-
hydroxyphenyl)propionyl-1-omega-hydroxypoly
(oxyethylene)**

Index 607-176-00-3 (see Part III)

Class'n R43 N: R51, 53

Label Xi, N

R43,51/53
S(2),36137,61
400-830-7

mixture of

 **α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-
hydroxyphenyl)propionyl-omega-hydroxypol y
(oxyethylene)**

and

 **α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-
hydroxyphenyl)propionyl-omega-3-(3-(2H-
benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)
propionyloxypoly(oxyethylene)**

Index 607-176-00-3 (see Part III)

Class'n R43 N: R51, 53

Label Xi, N

R43,51/53
S(2),36/37,61
400-830-7

benzotrithloride Note E

a,a,a-trichlorotoluene

CAS 000098-07-7

Index 602-038-00-9

Class'n Carc Cat 2: R45 T: R23 Xn: R22 Xi: R37138,41

label T

R45,22,23,37/38,41
S53,45
202-634-5

benzotri fluoride

a,a,a-trifluorotoluene

CAS 000098-08-8

Index 602-056-00-7

Class'n F: R11 N: R51, 53

Label F, N

R11,51/53
S(2),16,23,61
202-635-0

4H-3,1-benzoxazine-2,4(1H)-dione

CAS 000118-48-9

Index 607-250-00-5

Class'n Xi: R36 R43

Label Xi

R36,43
S(2),24,26,37
204-255-0

benzoyl chloride

CAS 000098-88-4
 Index 607-012-00-0
 Class'n C: R34
 Label C
 R34
 S(1/2), 26, 45
 202-710-8

benzoyl peroxide

dibenzoyl peroxide
 CAS 000094-36-0
 Index 617-008-00-0
 Class'n E: R2 Xi: R36 R43
 Label E, Xi
 R2, 36, 43
 S(2), 317, 14, 36/37/39
 202-327-6

benzoylpropethyl (ISO)

ethyl N-benzoyl-N-(3,4-dichlorophenyl)-DL-alaninate
 CAS 022212-55-1
 Index 607-154-00-3
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 24, 60, 61
 244-845-5

benzthiazuron (ISO)

1-benzothiazol-2-yl-3-methylurea
 CAS 001929-88-0
 Index 006-036-00-3
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24/25
 217-685-9

benzyl alcohol

CAS 000100-51-6
 Index 603-057-00-5
 Class'n Xn: R20/22
 Label Xn
 R20/22
 S(2), 26
 202-859-9
 Conc Conc >= 25% Xn: R20/22

benzylamine

CAS 000100-46-9
 Index 612-047-00-X
 Class'n Xn: R21/22 C: R34
 Label C
 R21/22, 34
 S(1/2), 26, 36/37/39, 45
 202-854-1

benzyl benzoate

CAS 000120-51-4
 Index 607-085-00-9
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 25
 204-402-9

benzyl bromide

a-bromotoluene
 CAS 000100-39-0
 Index 602-057-00-2
 Class'n Xi: R36/37/38
 Label Xi
 R36/37/38
 S(2), 39
 202-847-3

benzyl chloride Note E

a-chlorotoluene
 CAS 000100-44-7
 Index 602-037-00-3
 Class'n Carc Cat 2: R45 T: R23 Xn: R22, 48/22 Xi: R37/38, 41
 Label T
 R45, 22, 23, 37/38, 41, 48/22
 S53, 45
 202-853-6

benzyl chloroformate

CAS 000501-53-1
 Index 607-064-00-4
 Class'n C: R34 N: R50, 53
 Label C, N
 R34, 50/53
 S(1/2), 26, 45, 60, 61
 207-925-0
 Conc Conc >= 10% C: R34
 Conc >= 5% and e 10% Xi: R36/37/38

benzyl 2-chloro-4-(trifluoromethyl)thiazole-5-carboxylate
flurazole

CAS 072850-64-7
 Index 607-237-00-4
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 276-942-3

benzyl 2,4-dibromobutanoate

CAS 023085-60-1
 Index 607-376-00-0
 Class'n Repr Cat 3: R62 Xi: R38 R43 N: R50, 53
 Label Xn, N
 R38, 43, 62, 50/53
 S(2), 23, 36/37, 41, 60, 61
 420-710-8

S-benzyl diisopropyl phosphorothioate

iprobenfos
 CAS 026087-47-8
 Index 015-127-00-7
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 247-449-0

benzyl dimethylamine

CAS 000103-83-3
 Index 612-074-00-7
 Class'n R10 Xn: R20/21/22 C: R34 R52,53
 Label C
 R10,20/21/22,34,52/53
 S(1/2),26,36,45,61
 203-149-1

2-benzyl-2-dimethylamino-4-morpholinobutyrophenone

CAS 119313-12-1
 Index 606-047-00-9
 Class'n N: R50, 53
 Label N
 R50/53
 S60,61
 404-360-3

benzyl dimethyloctadecylammonium 3-nitrobenzenesulfonate

Index 612-1 19-00-0
 Class'n Xi: R38, 41 N: R50, 53
 Label Xi, N
 R38,41,50/53
 S(2),26,37/39,60,61
 405-330-2

S-benzyl N,N-dipropylthiocarbamate

CAS 052888-80-9
 Index 006-072-00-X
 Class'n Xn: R22,48/22 N: R51, 53
 Label Xn, N
 R22,48/22,51/53
 S(2),37,61
 401-730-6

(N-benzyl-N-ethyl)amino-3'-hydroxyacetophenone hydrochloride

CAS 055845-90-4
 Index 606-040-00-0
 Class'n Xi: R41 N: R51, 53
 Label Xi, N
 R41,51/53
 S(2),26,39,61
 401-840-4

3(or 5)-(4-(N-benzyl-N-ethylamino)-2-methylphenylazo)-1,4-dimethyl-1,2,4-triazolium methylsulphate

CAS 124584-00-5
 Index 611-037-00-2
 Class'n Xn: R22 Xi: R41 R43 N: R51,53
 Label Xn, N
 R22,41,43,51/53
 S(2),22,24,26,37/39,61
 406-055-0

5-benzyl-3-furylmethyl(+)-cis-trans-chrysanthemate resmethrin(ISO)

CAS 010453-86-8
 Index 613-060-00-3
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2),60,61
 233-940-7

benzyl-2-hydroxydodecyldimethylammonium benzoate

CAS 113694-52-3
 Index 612-095-00-1
 Class'n C: R34 Xn: R22 N: R50, 53
 Label C, N
 R22,34,50/53
 S(1/2),26,28,36/37,139,45,60,61
 402-610-6

benzylidenechloride

a,a-dichlorotoluene
 benzal chloride
 CAS 000098-87-3
 Index 602-058-00-8
 Class'n Carc Cat 3: R40 T: R23 Xn: R22 Xi: R37/38, 41
 Label T
 R22,23,37/38,40,41
 S(1/2),36/37,38,45
 202-709-2

2-(N-benzyl-N-methylamino)ethyl 3-amino-2-butenate

CAS 054527-73-0
 Index 607-274-00-6
 Class'n R43 N: R51, 53
 Label Xi, N
 R43,51/53
 S(2),24,37,61
 405-350-1

(S)-3-benzoyloxycarbonyl-1,2,3,4-tetrahydro-isoquinolinium 4-methylbenzenesulfonate

CAS 077497-97-3
 Index 613-145-00-5
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 406-960-0

4-benzoyloxy-4'-(2,3-epoxy-2-methylprop-1-yloxy) diphenylsulfone

Index 016-070-00-0
 Class'n R53
 Label R53
 S61
 408-220-2

benzyltributylammonium 4-hydroxynaphthalene-1-sulphonate

CAS 102561-46-6
 Index 016-052-00-2
 Class'n Xn: R20 N: R51, 53
 Label Xn, N
 R20,51/53
 S(2),22,61
 402-240-5

benzyl violet 4B

α -[4-(4-dimethylamino- α -(4-[ethyl(3-sodiosulphonatobenzyl)amino]phenyl)benzylidene)cyclohexa-2,5-dienylidene(ethyl)]

CAS 001694-09-3
Index 650-010-00-X
Class'n Carc Cat 3: R40
Label Xn
R40
S(2),36/37
216-901-9

beryllium Note E

CAS 007440-41-7
Index 004-001-00-7
Class'n Carc Cat 2: R49 T+: R26 T: R25, 48/23 Xi:
R36/37/38 R43
Label T+
R49,25,26,36/37/38,43,48/23
S53,45
231-150-7

■ beryllium compounds with the exception of aluminium beryllium silicates, and those specified elsewhere in the Approved Supply List Notes A and E

Index 004-002-00-2
Class'n Carc Cat 2: R49 T+: R26 T: R25,48/23 Xi:
R36/37/38 R43 N: R51,53
Label T+, N
R49,25,26,36/37/38,43,48/23,51/53
S53,45,61

• beryllium oxide Note E

CAS 001304-56-9
Index 004-003-00-8
Class'n Carc Cat 2: R49 T+: R26 T: R25, 48/23. Xi:
R36/37/38 R43
Label T+
R49,25,26,36/37/38,43,48/23
S53,45
215-133-1

beta-cyfluthrin

α -cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

CAS 068359-37-5
Index 607-254-00-7
Class'n T+: R26/28 N: R50, 53
Label T+, N
R26/28,50/53
S(1/2),36/37/39,45,60,61
269-855-7

(5-bezylfur-3-yl)methyl(1R)-trans-2,2-dimethyl-3-(2-methylpropenyl)cyclopropanecarboxylate

bioresmethrin

CAS 028434-01-7
Index 613-120-00-9
Class'n N: R50, 53
Label N
R50/53
S60,61
249-014-0

 γ -BHC

lindane

γ -1,2,3,4,5,6-hexachlorocyclohexane

CAS 000058-89-9
Index 602-043-00-6
Class'n T: R23/24/25 Xi: R36/38 N: R50,53
Label T, N
R23/24/25,36/38,50/53
S(1/2), 13, 45, 60, 61
200-401-2

binapacryl (ISO) Note E

2-sec-butyl-4,6-dinitrophenyl-3-methylcrotonate

CAS 000485-31-4
Index 609-024-00-1
Class'n Repr Cat 2: R 61 X nr: R21/22 N: R50, 53
Label T, N
R61,21/22,50/53
S53,45,60,61
207-612-9

bioallethrin Note C

CAS 000584-79-2
Index 006-025-00-3 (see Part III)
Class'n Xn: R20/22 N: R50, 53
Label Xn, N
R20/22,50/53
S(2), 36, 60, 61
209-542-4

S-bioallethrin Note C

CAS 028434-00-6
Index 006-025-00-3 (see Part III)
Class'n Xn: R20/22 N: R50, 53
Label Xn, N
R20/22,50/53
S(2), 36, 60, 61
249-013-5

bioresmethrin

(5-bezylfur-3-yl)methyl(1R)-trans-2,2-dimethyl-3-(2-methylpropenyl)cyclopropanecarboxylate

CAS 028434-01-7
Index 613-120-00-9
Class'n N: R50, 53
Label N
R50/53
560,61
249-014-0

2,2'-bioxirane Note E

1,2:3,4-diepoxybutane

CAS 001464-53-5
Index 603-060-00-1
Class'n Carc Cat 2: R45 Muta Cat 2: R46 T+: R26 T:
R24/25 C: R34
Label T+
R45,46,24/25,26,34
S53,45
215-979-1

biphenyl

diphenyl
 CAS 000092-52-4
 Index 601-042-00-8
 Class'n Xi: R36/37/38 N: R50, 53
 Label Xi, N
 R36/37/38a, 50/53
 S(21, 23, 60, 61
 202-163-5

1,1'-biphenyl-4,4'-diamine Note E

benzidine
 4,4'-diaminobiphenyl
 biphenyl-4,4'-ylenediamine
 CAS 000092-87-5
 Index 612-042-00-2
 Class'n Carc Cat 1: R45 Xn: R22 N: R50, 53
 Label T, N
 R45, 22, 50/53
 S53, 45, 60, 61
 202-199-1
 Conc Conc >= 25% T: R45, 22
 Conc >= 0.01% and < 25% T: R45

biphenyl-2-01

2-hydroxy biphenyl
 2-phenylpheno (ISO)
 CAS 000090-43-7
 Index 604-020-00-6
 Class'n Xi: R36/37/38 N: R50
 Label Xi, N
 R36/37/38, 50
 S(2), 22, 61
 201-993-5

biphenyl-4-ylamine Note E

xenylamine
 Caihinobiphenyl
 CAS 000092-67-1
 Index 612-072-00-6
 Class'n Carc Cat 1: R45 Xn: R22
 Label T
 R45, 22
 S53, 45
 202-177-1

biphenyl-2-ylamine

CAS 000090-41-5
 Index 612-142-00-6
 Class'n Carc Cat 3: R40 Xn: R22 R52, 53
 Label Xn
 R22, 40, 52/53
 S(2), 36/37, 61
 201-990-9

biphenyl-4-ylamine, salts of Notes A and E

xenylamine, salts of
 Caminobiphenyl, salts of
 Index 612-073-00-1
 Class'n Carc Cat 1: R45 Xn: R22
 Label T
 R45, 22
 S53, 45

biphenyl-4,4'-ylenediamine Note E

benzidine
 1,1'-biphenyl-4,4'-diamine
 4,4'-diaminobiphenyl
 CAS 000092-87-5
 Index 612-042-00-2
 Class'n Carc Cat 1: R45 Xn: R22 N: R50, 53
 Label T, N
 R45, 22, 50/53
 S53, 45, 60, 61
 202-199-1
 Conc Conc >= 25% T: R45, 22
 Conc >= 0.01% and < 25% T: R45

3-(3-biphenyl-4-yl-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin

difenacoum
 CAS 056073-07-5
 Index 607-157-00-X
 Class'n T+: R28 T: R48/25 N: R50, 53
 Label T+, N
 R28, 48/25, 50/53
 S(1/2), 36/37, 45, 60, 61.
 259-978-4

mixture of

2-[[4-[bis(2-acetoxyethyl)amino]phenyl]azo]-5,6-dichlorobenzothiazole {1 part of}

and

2-[[4-[bis(2-acetoxyethyl)amino]phenyl]azo]-6,7-dichlorobenzothiazole {1 part of}

CAS 111381-12-5
 Index 611-048-00-2 (see Part III)
 Class'n R53
 Label R53
 S61
 407-900-6

mixture of

2-[[4-[bis(2-acetoxyethyl)amino]phenyl]azo]-6,7-dichlorobenzothiazole {1 part of}

and

2-[[4-[bis(2-acetoxyethyl)amino]phenyl]azo]-5,6-dichlorobenzothiazole {1 part of}

CAS 111381-12-5
 Index 611-048-00-2 (see Part III)
 Class'n R53
 Label R53
 S61
 407-900-6

2,2-bis(acryloyloxymethyl)butyl acrylate Note D

trimethylolpropane triacrylate
 CAS 015625-89-5
 Index 607-111-00-9
 Class'n Xi: R36/38 R43
 Label Xi
 R36138.43
 S(2), 39
 239-701-3
 Conc Conc >= 20% Xi: R36/38, 43
 Conc >= 1% and < 20% Xi: R43

N,N-bis(3-aminopropyl)methylamine_

CAS 000105-83-9
 Index 612-102-00-8
 Class'n T: R23/24 Xn: R22 C: R34
 Label T
 R22,23124,34
 S(1/2),26,36/37/39,45
 203-336-8

• **1,3-bis(4-benzoyl-3-hydroxyphenoxy)prop2-y1 acetate**

Index 607-340-00-4
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 406-990-4

• **bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane**

CAS 136210-32-7
 Index 607-350-00-9
 Class'n R43 R52, 53
 Label Xi
 R43,52/53
 S(2), 36/37, 61
 412-060-9

• **1,6-bis(3,3-bis(1-methylpentylideneimino)propyl)ureido) hexane**

Index 007-027-00-7
 Class'n Xn: R21/22 C: R34 R43 N: R50,53
 Label C, N
 R21/22,34,43,50/53
 S(1/2), 7, 26, 36/37/39,45, 60, 61
 420-190-2

■ **bis(2-chloroethyl) ether**

CAS 000111-44-4
 Index 603-029-00-2
 Class'n R10 T+: R26/27/28 Xn: R68
 Label T+
 R10, 26/27/28,68
 S(1/2), 719, 27,38,45
 203-870-1
 Conc Conc >= 7% T+: R26/27/28,68
 Conc >= 1% and < 7% T: R23/24/25,68
 Conc >= 0.1% and < 1% Xn: R20/21/22

■ **bis(chloromethyl) ether** Note E

oxybis(chloromethane)
 CAS 000542-88-1
 Index 603-046-00-5
 Class'n R10 Carc Cat 1: R45 T+: R26 T: R24 Xn: R22
 Label T+
 R45, 10, 22,24,26
 S53,45
 208-832-8,
 Conc Conc >= 25% T+: R45,22,24,26
 Conc >= 7% and < 25% T+: R45,21,26
 Conc >= 3% and < 7% T: R45,21,23
 Conc >= 1% and < 3% T: R45,23
 Conc >= 0.1% and < 1% T: R45,20
 Conc >= 0.001% and < 0.1% T: R45

O,O-bis(4-chlorophenyl)N-acetimidoylphosphoramidothioate phosacetim (ISO)

CAS 004104-14-7
 Index 015-092-00-8
 Class'n T+: R27/28 N: R50, 53
 Label T+, N
 R27/28,50/53
 S(1/2),28,36/37,45,60,61
 223-874-7

■ **1,1-bis(4-chlorophenyl) ethanol chlorfenethol (ISO)**

CAS 000080-06-8
 Index 603-049-00-1
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22,51/53
 S(2),36, 61
 201-246-3

2-[[4[[4,6-bis[3-(diethylamino)propyl]amino]-1,3,5-triazine-2-yl]amino]phenyl]azo]-N-(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)-3-oxobutanamide

CAS 098809-11-1
 Index 611-041-00-4
 Class'n Xi: R41 R43 N: R51, 53
 Label Xi,N
 R41,43,51/53
 S(2),24,26,37/39,61
 407-680-1

2,9-bis(3-(diethylamino)propylsulfamoyl)quino(2,3-b)acndine-7,14-dione

Index 613-100-00-X
 Class'n R43 R53
 Label Xi
 R43,53
 S(2),24,37,61
 404-230-6

bis(2,6-dimethoxybenoyl)-2,4,4-trimethylpentylphosphinnoxide

CAS 145052-34-2
 Index 015-163-00-3
 Class'n R43 N: R50, 53
 Label Xi, N
 R43,50/53
 S(2),24,37,60,61
 412-010-6

bis(2-dimethylaminoethyl)(methyl)amine

CAS 003030-47-5
 Index 612-109-00-6
 Class'n T: H24 Xn: R22, C: R34
 Label T
 R22,24,34
 S(1/2),26,36/37/39,45
 221-201-1

bis(a,a-dimethylbenzyl) peroxide

CAS 000080-43-3
 Index 617-006-00-X
 Class'n O: R7 Xi: R36/38 N: R51, 53
 Label O,Xi, N
 R7,36/38,51/53
 S(2),3/7,14,36/37/39,61
 201-279-3

2,5-bis(1,1-dimethylbutyl)hydroquinone

Index 604-025-00-3
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 400-220-0

2-(2,4-bis(1,1-dimethylethyl)phenoxy)-N-(3,5-dichloro-4-ethyl-2-hydroxyphenyl)-hexanamide

CAS 099141-89-6
 Index 616-049-00-1
 Class'n R53
 Label R53
 S61
 408-150-2

• 2-[2,4-bis(1,1-dimethyl-ethyl)phenoxy]-N-(2-hydroxy-5-methyl-phenyl)hexanamide

CAS 104541-33-5
 Index 616-078-00-X
 Class'n R53
 Label R53
 S61
 411-330-3

1,1'-bis(3,5-dimethylmorpholinocarbonylmethyl)-4,4'-bipyridiliumion morfamquat (ISO)

CAS 007411-47-4
 Index 613-018-00-4
 Class'n Xn: R22 Xi: 36/37/38 R52, 53
 Label Xn
 R22,36/37/38,52/53
 S(2),22,36,61

• 2-(4,6-bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl)-5-hydroxyphenol with ((C10-16, rich in (212-13 alkoxy)methyl)oxyrane; reaction products of

Index 603-155-00-8
 Class'n N: R50, 53
 Label N
 R50/53
 S60,61
 410-560-1

• bis(1,1-dimethyl-2-propenyloxy) dimethylsilane

CAS 053863-99-3
 Index 014-020-00-2
 Class'n Xn: R20
 Label Xn
 R20
 S(2)
 414-960-7

3-(3-(4-(2,4-bis(1,1-dimethylpropyl) phenoxy) butylaminocarbonyl-4-hydroxy-1-naphthalenyl)thio)propanoic acid

CAS 105488-33-3
 Index 607-289-00-8
 Class'n R53
 Label R53
 S61
 410-370-9

3,5-bis((3,5-di-tert-butyl-4-hydroxy)benzyl)-2,4,6-trimethylphenol

CAS 087113-78-8
 Index 604-051-00-5
 Class'n R52, 53
 Label R52/53
 S61
 401-110-5

3,9-bis(2,6-di-tert-butyl-4-methylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane

CAS 080693-00-1
 Index 015-166-00-X
 Class'n R53
 Label R53
 S61
 410-290-4

bis(3,5-di-tert-butylsalicylato-O1,O2)zinc

CAS 042405-40-3
 Index 030-007-00-4
 Class'n F: R11 Xn: R22 N: R50, 53
 Label F, Xn, N
 R11,22,50/53
 S(2),7,22,60,61
 403-360-0

mixture of

bis(5-dodecyl-2-hydroxybenzaldoximate)copper(II)
 C12-alkyl group is branched

and

4-dodecylsalicylaldoxime

Index 612-158-00-3 (see Part III)
 Class'n R53
 Label R53
 S61
 410-820-4

bis(4-dodecylphenyl)iodonium hexafluoroantimonate

CAS 071786-70-4
 Index 051-007-00-0
 Class'n R43 R52, 53
 Label Xi
 R43,52/53
 S(2),24,37,61
 404-420-9



1,3-bis(2,3-epoxypropoxy)benzene

resorcinoldiglycidylether
 CAS 000101-90-6
 Index 603-065-00-9
 Class'n Carc Cat 3: R40 Muta Cat 3: R 68 Xn: R21/22
 Xi: R36/38 R43 R52,53
 Label Xn
 R21/22,36/38,40,43,52/53,68
 S(2),23,36/37,61
 202-987-5

1,4-bis(2,3 epoxypropoxy)butane

butanedioldiglycidyl ether
 CAS 002425-79-8
 Index 603-072-00-7
 Class'n Xn: R20/21 Xi: R36/38 R43
 Label Xn
 R20/21,36/38,43
 S(2),26,28,37/39
 219-371-7
 Conc Conc >= 25% Xn: R20/21,36/38,43
 Conc >= 20% and < 25% Xi: R36/38,43
 Conc >= 1% and < 20% Xi: R43

1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane

CAS 017557-23-2
 Index 603-094-00-7
 Class'n Xi: R38 R43
 Label Xi
 R38,43
 S(2),24,37
 241-536-7

bis[4-(2,3-epoxypropoxy)phenyl]propane

CAS 001675-54-3
 Index 603-073-00-2
 Class'n Xi: R36/38 R43
 Label Xi
 R36/38,43
 S(2),28,37/39
 216-823-5

Conc Conc >= 5% Xi: R36/38,43
 Conc >= 1% and < 5% Xi: R43

• bis(eta5-cyclopentadienyl)-bis(2,6-difluoro-3-[pyrrol-1-yl]-phenyl)titanium

CAS 125051-32-3
 Index 022-003-00-6
 Class'n F: R11 Repr Cat 3: R62 Xn: R48/22 N: R51,53
 Label F, Xn, N
 R11,48/22,62,51/53
 S(2),7,22,33,36/37,61
 412-000-1

• bis[4-(ethenylloxy) butyl] 1,3-benzenedicarboxylate

CAS 130066-57-8
 Index 607-320-00-5
 Class'n R43 N: R50,53
 Label Xi, N
 R43,50/53
 S(2),24,37,60,61
 413-930-0

1,2-bis(ethoxycarbonyl) ethyl O,O-dimethyl phosphorodithioate

malathion(BO)
 CAS 000121-75-5
 Index 015-041-00-X
 Class'n Xn: R22
 Label Xn
 R22
 S(2),24
 204-497-7

2,4-bis(ethylamino)-6-methylthio- 1,3,5-triazine simetryn (ISO)

CAS 001014-70-6
 Index 613-065-00-0
 Class'n Xn: R22 N: R50,53
 Label Xn, N
 R22,50/53
 S(2),60,61
 213-801-7

3-(bis(2-ethylhexyl)aminomethyl)benzothiazole-2(3H)-thione

CAS 105254-85-1
 Index 613-080-00-2
 Class'n C: R34 R43 N: R50,53
 Label C, N
 R34,43,50/53
 S(1/2),26,28,36/37/39,45,60,61
 402-540-6

bis(2-ethylhexyl) dithiodiacetate

CAS 062268-47-7
 Index 607-219-00-6
 Class'n Xn: R22 R43 N: R51,53
 Label Xn, N
 R22,43,51/53
 S(2),24/25,37,61
 404-510-8

• bis(2-ethylhexyl) phthalate

di-(Zethylhexyl) phthalate
 DEW
 CAS 000117-81-7
 Index 607-317-00-9
 Class'n Repr Cat 2: R60,61
 Label T
 R60,61
 S53,45
 204-211-0

N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine

CAS 091273-04-0
 Index 613-072-00-9
 Class'n C: R34 R43 N: R51,53
 Label C, N
 R34,43,51/53
 S(1/2),26,28,36/37/39,45,61
 401-280-0

• mixture of
4-[[bis-(4-fluorophenyl)methylsilyl]methyl]-4H- 1,2,4-
triazole
and
1-[[bis-(4-fluorophenyl)methylsilyl]methyl]- 1H- 1,2,4-
triazole *Note E*
Index 014-019-00-7 (see Part III)
Class'n Carc Cat 3: R40 Repr Cat 2: R61 Xn: R22 N:
R51,53
Label T, N
R61,22,40,51/53
S53,45,61
403-250-2

• mixture of
1-[[bis-(4-fluorophenyl)methylsilyl]methyl]- 1H- 1,2,4-
triazole
and
4 4 [bis-(4-fluorophenyl)methylsilyl]methyl]-4H- 1,2,4-
triazole *Note E*
Index 014-019-00-7 (See Part)
Class'n Carc Cat 3: R40 Repr Cat 2: R61 Xn: R22 N:
R51,53
Label T, N
R61,22,40,51/53
S53,45,61
403-250-2

• bis(4-fluorophenyl)(methyl)(1H- 1,2,4-triazol- 1-ylmethyl)
silane *Note E*
flusilazole (ISO)
CAS 085509-19-9
Index 014-017-00-6
Class'n Carc Cat 3: R40 Repr Cat 2: R61 Xn: R22 N:
R51,53
Label T, N
R61,22,40,51/53
S53,45,61

bis (4-fluorophenyl)-methyl-(1,2,4-triazol-4-ylmethyl)silane
hydrochloride
Index 014-006-00-6
Class'n Xi: R36 N: R51,53
Label Xi, N
R36,51/53
S(2),26,61
401-380-4

• 6,9-bis(hexadecyloxymethyl)-4,7-dioxanone- 1,2,9-triol
CAS 143747-72-2
Index 603-157-00-9
Class'n R53
Label R53
S61
411-450-6

3-((4-(bis(2-hydroxyethyl)amino)-2-nitrophenyl) amino)- 1-
propanol
CAS 104226-19-9
Index 603-136-00-4
Class'n R43 R52,53
Label Xi
R43,52/53
S(2),24,37,61
410-910-3

bis(hydroxyl ammonium) sulphate
hydroxylammonium chloride
hydroxylamine hydrochloride
hydroxylamine sulphate (2: 1)
hydroxylammonium hydrogensulphate
hydroxylamine sulphate (1: 1)
CAS 010039-54-0
Index 612-123-00-2
Class'n Xn: R22,48/22 Xi: R36/38 R43 N: R50
Label Xn, N
R22,36/38,43,48/22,50
S(2),22,24,37,61
233-118-8

bis (4-hydroxy-N-methylanilinium) sulphate
CAS 000055-55-0
Index 650-031-00-4
Class'n Xn: R22,48/22 R43 N: R50,53
Label Xn, N
R22,43,48/22,50/53
S(2),36/37,46,60,61
200-237-1

• 9,9-bis(4-hydroxyphenyl)fluorene
CAS 003236-71-3
Index 604-060-00-4
Class'n Xi: R36/38 N: R50,53
Label Xi, N
R36/38,50/53
S(2),26,37,60,61
406-950-6

2,2-bis (4'-hydroxyphenyl)-4-methylpentane
4,4'-isobutylethylidenediphenol
CAS 006807-17-6
Index 604-024-00-8
Class'n Repr Cat 2: R60 Xi: R36 N: R50,53
label T, N
R60,36,50/53
S53,45,60,61
401-720-1

bis (8-hydroxyquinolinium) sulphate
CAS 000134-31-6
Index 613-017-00-9
Class'n Xn: R22
Label Xn
R22
S(2), 36
205-137-1

• 2,5-bis-isocyanatome thyl-bicyclo[2.2.1]heptane
Index 615-029-00-X
Class'n T+: R26 Xn: R22 C: R34 R42/43 R52,53
Label T+
R22,26,34,42/43,52/53
S(1/2)23,26,28,36/37/39,45,61
411-280-2

- mixture of
bis(isotridecylammonium)mono(di-(4-methylpent-2-yloxy)thiophosphorothionylisopropyl)phosphate
and
isotridecylammonium bis(di-(4-methylpent-2-yloxy)thiophosphorothionylisopropyl)phosphate
Index 015-172-00-2 (see Part III)
Class'n R10 C: R34 N: R51, 53
Label C,N
R10, 34,51/53
S(1/2), 23, 26, 28, 36/37/39, 45, 61
406-240-6

- 2,3-bis((2-mercaptoethyl)(thio)-1-propanethiol
CAS 131538-00-6
Index 016-076-00-3
Class'n Xn: R22, 48/22 N: R50, 53
Label Xn, N
R22, 48/22, 50/53
S(2), 23, 24/25, 36, 60, 61
411-290-7

- N-(5-(bis(2-methoxyethyl)amino)-2-((5-nitro-2,1-benzisothiazol-3-yl)azo)phenylacetamide
CAS 105076-77-5
Index 611-034-00-6
Class'n R53
Label R53
S61
402-430-8

- bis(2-methoxyethyl) ether
CAS 000111-96-6
Index 603-139-00-0
Class'n R10 RI9 Repr Cat 2: R60, 61
Label T
R60, 61, 10, 19
S53, 45
203-924-4

- bis(2-methoxyethyl) phthalate
CAS 000117-82-8
Index 607-228-00-5
Class'n Repr Cat 2: R61 Repr Cat 3: R62
Label T
R61, 62
S53, 45
204-212-6

- bis(methoxythiocarbonyl) disulphide
dimexano (ISO)
CAS 001468-37-7
Index 016-024-00-X
Class'n Xn: R22 N: R50, 53
Label Xn,N
R22, 50/53
S(2), 60, 61
215-993-8

- mixture of
N-[2,3-bis-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide
and
N-[3-hydroxy-2-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide
and
methacrylamide
and
2-methyl-N-(2-methylacryloylaminomethoxymethyl)-acrylamide
and
N-(2,3-dihydroxyxymethyl)-2-methylacrylamide
Index 616-057-00-5 (see Part III)
Class'n Carc Cat 2: R45 Muta Cat 3: R68 Xn: R48/22
Label T
R45, 48/22
S53, 45
412-790-8

- bis(4-methylbenzoyl)peroxide
CAS 000895-85-2
Index 617-01 5-00-9
Class'n E: R2, O: R7 N: R50, 53
Label E,N
R2, 7, 50/53
S(2), 7, 14, 36/37/39, 47, 60, 61
407-950-9

- 1,3-bis(3-methyl-2,5-dioxo-1H-pyrrolinylmethyl)benzene
CAS 119462-56-5
Index 616-058-00-0
Class'n Xn: R48/22 Xi: R41 R43 N: R50, 53
Label Xn, N
R41, 43, 48/22, 50/53
S(2), 26, 36/37/39, 60, 61
412-570-1

- bis[(1-methylimidazol)-(2-ethyl-hexanoate)], zinc complex
Index 607-276-00-7
Class'n Xi: R38, 41 N: R50, 53
Label Xi,N
R38, 41, 50/53
S(2), 26, 37/39, 60, 61
405-635-0

- 1,2-bis(3-methylphenoxy)ethane
CAS 054914-85-1
Index 604-058-00-3
Class'n N: R50, 53
Label N
R50/53
S60, 61
402-730-9

- mixture of
bis(N-cyclohexyl)-N'-phenyleneureido)methylene {1 part of}
 - and
bis(N-octadecyl-N'-phenyleneureido)methylene {2 parts of}
 - and
bis(N-dicyclohexyl)-N'-phenyleneureido)methylene {1 part of}
- | | |
|---------|-----------------------------|
| Index | 616-071-00-1 (see Part III) |
| Class'n | R43 R53 |
| Label | Xi |
| | R43, 53 |
| | S(2), 22, 24, 37, 61 |
| | 406-550-1 |

- mixture of
bis(N-dicyclohexyl)-N'-phenyleneureido)methylene {1 part of}
 - and
bis(N-cyclohexyl)-N'-phenyleneureido)methylene {1 part of}
 - and
bis(N-octadecyl-N'-phenyleneureido)methylene {2 parts of}
- | | |
|---------|-----------------------------|
| Index | 616-071-00-1 (see Part III) |
| Class'n | R43 R53 |
| Label | Xi |
| | R43, 53 |
| | S(2), 22, 24, 37, 61 |
| | 406-550-1 |

- 2,4-bis[2,2'-[2-(N,N-dimethylamino)ethyloxycarbonyl]phenylazo]-1,3-dihydroxybenzene, dihydrochloride
- | | |
|---------|----------------------------|
| CAS | 118208-02-9 |
| Index | 61 1-072-00-3 |
| Class'n | Xn: R22 Xi: R41 N: R51, 53 |
| Label | Xn, N |
| | R22, 41, 51/53 |
| | S(2), 26, 39, 61 |
| | 407-010-8 |

- bis[[2,2',2"-nitrioltris-[ethanolato]]-1-N,O]-bis[2-(2-methoxyethoxy)ethoxy]-titanium
- | | |
|---------|--------------------|
| Index | 603-135-00-9 |
| Class'n | Xi: R41 N: R51, 53 |
| Label | Xi, N |
| | R41, 51/53 |
| | S(2), 26, 39, 61 |
| | 410-500-4 |

- mixture of
2,4-bis(N'-(4-methylphenyl)-ureido)-toluene
and
2,6-bis(N'-(4-methylphenyl)-ureido)-toluene
- | | |
|---------|-----------------------------|
| Index | 616-051-00-2 (see Part III) |
| Class'n | R53 |
| Label | R53 |
| | S61 |
| | 411-070-0 |

- mixture of
2,6-bis(N'-(4-methylphenyl)-ureido)-toluene
and
2,4-bis(N'-(4-methylphenyl)-ureido)-toluene
- | | |
|---------|-----------------------------|
| Index | 616-051-00-2 (see Part III) |
| Class'n | R53 |
| Label | R53 |
| | S61 |
| | 411-070-0 |

- 2,4-bis[N'-(4-methylphenyl)ureido]toluene
- | | |
|---------|--------------|
| Index | 616-084-00-2 |
| Class'n | N: R50, 53 |
| Label | N |
| | R50/53 |
| | S60, 61 |
| | 411-790-5 |

- mixture of
bis(N-octadecyl-N'-phenyleneureido)methylene{2 parts of}
 - and
bis(N-cyclohexyl)-N'-phenyleneureido)methylene {1 part of}
 - and
bis(N-dicyclohexyl)-N'-phenyleneureido)methylene {1 part of}
- | | |
|---------|-----------------------------|
| Index | 616-071-00-1 (see Part III) |
| Class'n | R43 R53 |
| Label | Xi |
| | R43, 53 |
| | S(2), 22, 24, 37, 61 |
| | 406-550-1 |

- bis(N,N',N'-trimethyl-1,4,7-triazacyclonona)-trioxo-dimanganese(IV) di(hexafluorophosphate) monohydrate
- | | |
|---------|--------------|
| CAS | 116633-53-5 |
| Index | 025-004-00-X |
| Class'n | N: R51, 53 |
| Label | N |
| | R51/53 |
| | S61 |
| | 411-760-1 |

- bisphenol A-(epichlorhydrin) (reaction product)
epoxy resin (number average molecular weight <= 700)
- | | |
|---------|-----------------------------|
| CAS | 025068-38-6 |
| Index | 603-074-00-8 |
| Class'n | Xi: R36/38 R43 N: R51, 53 |
| Label | Xi, N |
| | R36/38, 43, 51/53 |
| | S(2), 28, 37/39, 61 |
| | 500-033-5 |
| Conc | Conc >= 5% Xi: R36/38, 43 |
| | Conc >= 1% and < 5% Xi: R43 |

- 1,3-bis(phenylsulfonylthio)-2-(N,N-dimethylamino)propane bensultap
- | | |
|---------|--------------------|
| CAS | 017606-31-4 |
| Index | 016-062-00-7 |
| Class'n | Xn: R22 N: R50, 53 |
| Label | Xn, N |
| | R22, 50/53 |
| | S(2), 60, 61 |

N,N-bis(phosphonomethyl)glycine

glyphosine (ISO)
 CAS 002439-99-8
 Index 015-125-00-6
 Class'n Xi: R41
 Label Xi
 R41
 S(2), 26
 219-468-4

bis(piperidinothiocarbonyl) disulphide

CAS 000094-37-1
 Index 613-109-00-9
 Class'n Xi: R36/37/38 R43
 Label Xi
 R36/37/38, 43
 S(2), 24, 26, 37
 202-328-1

● **N,N-bis(2-(p-toluenesulfonyloxy)ethyl)-p-toluenesulfonamide**

CAS 016695-22-0
 Index 016-079-00-X
 Class'n R43 R53
 Label Xi
 R43, 53
 S(2), 24, 37, 61
 412-920-3

3,9-bis(2-(3-(3-tert-butyl-4-hydroxy-5-methylphenyl)propionyloxy-1,1-dimethylethyl)-2,4,8,10-tetraoxaspiro[5.5]undecane

CAS 090498-90-1
 Index 607-270-00-4
 Class'n Xn: R21
 Label Xn
 R21
 S(2), 36/37
 410-730-5

● **mixture of**

2,2'-bis(tert-pentylperoxy)-m-diisopropylbenzene

and

2,2'-bis(tert-pentylperoxy)-p-diisopropylbenzene

CAS 032144-25-5
 Index 617-017-00-X (see Part III)
 Class'n O: R7 R53
 Label O
 R7, 53
 S(2), 3/7, 14, 36/37/39, 61
 412-140-3

● **mixture of**

2,2'-bis(tert-pentylperoxy)-p-diisopropylbenzene

and

2,2'-bis(tert-pentylperoxy)-m-diisopropylbenzene

CAS 032144-25-5
 Index 617-017-00-X (see Part III)
 Class'n O: R7 R53
 Label O
 R7, 53
 S(2), 3/7, 14, 36/37/39, 61
 412-140-3

3,5-bis-(tetradecyloxycarbonyl)benzenesulfinic acid

CAS 141915-64-2
 Index 016-069-00-5
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61
 407-990-9

● **mixture of**

bis(2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-1,10-decanedioate

and

1,8-bis[(2,2,6,6-tetethyl-4-((2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-decan-1,10-diyl)piperidin-1-yl)oxy]octane

Index 607-331-00-5 (see Part III)
 Class'n R53
 Label R53
 S23, 61
 406-750-9

bis(2,2,6,6-tetramethyl-4-piperidyl) succinate

CAS 062782-03-0
 Index 607-187-00-3
 Class'n Xi: R36 R52, 53
 Label Xi
 R36, 52/53
 S(2), 26, 61
 402-940-0

● **mixture of**

1,8-bis[(2,2,6,6-tetramethyl-4-((2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-decan-1,10-diyl)piperidin-1-yl)oxy]octane

and

bis(2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-1,10-decanedioate

Index 607-331-00-5 (see Part III)
 Class'n R53
 Label R53
 S23, 61
 406-750-9

bis(3-(trimethoxysilyl)propyl)amine

Index 014-012-00-9
 Class'n Xi: R41 N: R51, 53
 Label Xi, N
 R41, 51/53
 S(2), 24, 26, 39, 61
 403-480-3

bis(2,4,6-trinitrophenyl)amine

hexyl
 CAS 000131-73-7
 Index 612-018-00-1
 Class'n E: R2 T+: R26/27/28 R33 N: R51, 53
 Label E, T+, N
 R2, 26/27/28, 33, 51/53
 S(1/2), 35, 36, 45, 61
 205-037-8

- mixture of
bis(tris(2-(2-hydroxy(2-methyl)ethoxy)ethyl) ammonium) 7-anilino-4-hydroxy-3-(2-methoxy-5-methyl-4-(4-sulfonatophenylazo)phenylazo) naphthalene-2-sulfonate

and

bis(tris(2-(2-hydroxy(1-methyl)ethoxy)ethyl) ammonium) 7-anilino-4-hydroxy-3-(2-methoxy-5-methyl-4-(4-sulfonatophenylazo)phenylazo) naphthalene-2-sulfonate

Index 61 1-067-00-6 (see Part III)
Class'n Xn: R22 Xi: R41 R52, 53
Label Xn
R22, 41, 52/53
S(2), 26, 36/39, 61
406-910-8

- mixture of
bis(tris(2-(2-hydroxy(1-methyl)ethoxy)ethyl) ammonium) 7-anilino-4-hydroxy-3-(2-methoxy-5-methyl-4-(4-sulfonatophenylazo)phenylazo) naphthalene-2-sulfonate

and

bis(tris(2-(2-hydroxy(2-methyl)ethoxy)ethyl) ammonium) 7-anilino-4-hydroxy-3-(2-methoxy-5-methyl-4-(4-sulfonatophenylazo)phenylazo) naphthalene-2-sulfonate

Index 611-067-00-6 (see Part III)
Class'n Xn: R22 Xi: R41 R52, 53
Label Xn
R22, 41, 52/53
S(2), 26, 36/39, 61
406-910-8

bis(tris(2-methyl-2-phenylpropyl)tin)oxide
fenbutatinoxide (ISO)

CAS 013356-08-6
Index 050-017-00-2
Class'n T+: R26 Xi: R36/38 N: R50, 53
Label T+, N
R26, 36/38, 50/53
S(1/2), 28, 36/37, 45, 60, 61
236-407-7

bis(1,2,3-trithiacyclohexyldimethylammonium) oxalate

thiocyclam-oxalate
CAS 031895-22-4
Index 607-170-00-0
Class'n Xn: R21, 22 N: R50, 53
Label Xn, N
R21/22, 50/53
S(2), 36/37, 46, 60, 61
250-859-2

1,4-bis[2-(vinyl)oxy]ethoxy]benzene

CAS 084563-49-5
Index 603-124-00-9
Class'n N: R50, 53
Label N
R50/53
S60, 61
406-900-3

- 1,4-bis[(vinyl)oxy]methyl]cyclohexane

CAS 017351-75-6
Index 603-148-00-X
Class'n R43 N: R51, 53
Label Xi, N
R43, 51/53
S(2), 24, 37, 61
413-370-7

N,N-bis(2,4-xylyliminomethyl) methylamine

amitraz (ISO)
CAS 033089-61-1
Index 612-086-00-2
Class'n Xn: R22
Label Xn
R22
S(2), 22
251-375-4

4,4'-bi-o-toluidine Note E

CAS 000119-93-7
Index 612-041-00-7
Class'n Carc Cat 2: R45 Xn: R22 N: R51, 53
Label T, N
R45, 22, 51/53
S53, 45, 61
204-358-0

4,4'-bi-o-toluidine, salts of Notes A and E

3,3'-dimethylbenzidine, salts of
o-toluidine, salts of
CAS 000612-82-8
Index 612-081-00-5
Class'n Carc Cat 2: R45 Xn: R22 N: R51, 53
Label T, N
R45, 22, 51/53
S53, 45, 61
210-322-5

4,4'-bi-o-toluidine, salts of Notes A and E

3,3'-dimethylbenzidine, salts of
o-toluidine, salts of
CAS 064969-36-4
Index 612-081-00-5
Class'n Carc Cat 2: R45 Xn: R22 N: R51, 53
Label T, N
R45, 22, 51/53
S53, 45, 61
265-294-7

4,4'-bi-o-toluidine, salts of Notes A and E

3,3'-dimethylbenzidine, salts of
o-toluidine, salts of
CAS 074753-18-7
Index 612-081-00-5
Class'n Carc Cat 2: R45 Xn: R22 N: R51, 53
Label T, N
R45, 22, 51/53
S53, 45, 61
277-985-0

blasticidin-s

3-(3-amino-5-(1-methylguanidino)-1-oxopentylamino-6-(4-amino-2-oxo-2,3-dihydro-pyrimidin-1-yl)-2,3-dihydro-(6H)-pm-2-carboxylic acid
 CAS 002079-00-7
 Index 607-155-00-9
 Class'n T+:R28
 Label T+
 R28
 S(1/2), 24/25, 36/37, 45

boron tribromide

CAS, 010294-33-4
 Index 005-003-00-0
 Class'n R14 T+: R26/28 C: R35
 Label T+, C
 R14, 26/28, 35
 S(1/2), 9, 26, 28, 36/37/39, 45
 233-657-9

boron trichloride

CAS 010294-34-5
 Index 005-002-00-5
 Class'n R14 T+: R26/28 C: R34
 Label T+
 R14, 26/28, 34
 S(1/2), 9, 26, 28, 36/37/39, 45
 233-658-4

boron trifluoride

CAS 007637-07-2
 Index 005-001-00-4
 Class'n R14 T+:R26 C: R35
 Label T+, C
 R14, 26, 35
 S(1/2), 9, 26, 28, 36/37/39, 45
 231-569-5

branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazo1-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl] propionates, mixture of

CAS 127519-17-9
 Index 607-281-00-4
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 407-000-3

brodifacoum

4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin
 CAS 056073-10-0
 Index 607-172-00-1
 Class'n T+: R27/28 T: R48/24/25 N: R50, 53
 Label T+,N
 R27/28, 48/24/25, 50/53
 S(1/2), 36/37, 45, 60, 61
 259-980-5

Bromelain, juice

CAS 009001-00-7
 Index 647-005-00-X
 Class'n Xi: R36/37/38 R42
 Label Xn
 R36/37/38, 42
 S(2), 22, 24, 26,36/37
 232-572-4

bromine

CAS 007726-95-6
 Index 035-001-00-5
 Class'n T+: R26 C: R35 N: R50
 Label T+, C, N
 R26, 35, 50
 S(1/2), 7/9, 26, 45, 61
 231-778-1

bromoacetic acid

CAS 000079-08-3
 Index 607-065-00-X
 Class'n T: R23/24/25 C: R35 N: R50
 Label T, C, N
 R23/24/25, 35, 50
 S(1/2), 26, 36/37/39, 45, 61
 201-175-8

bromobenzene

CAS 000108-86-1
 Index 602-060-00-9
 Class'n R10 Xi: R38 N: R51, 53
 Label Xi,N
 R10, 38,51/53
 S(2), 61
 203-623-8

bromobenzylbromotoluene, mixed isomers

CAS 099688-47-8
 Index 602-071-00-9
 Class'n Xn: R48/22 R43 N: R50, 53
 Label Xn,N
 R43, 48/22, 50/53
 S(2), 24, 37, 41, 60, 61
 402-210-1

● **4-bromo-2-chlorofluorobenzene**

CAS 060811-21-4
 Index 602-089-00-7
 Class'n Xn: R22 Xi: R38 N: R50, 53
 Label Xn,N
 R22, 38, 50/53
 S(2), 26, 36/37, 60, 61
 405-580-2

O-(4-bromo-2-chlorophenyl) O-ethyl S-propyl phosphorothioate profenofos

CAS 041198-08-7
 Index 015-135-00-0
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2), 36/37
 255-255-2

O-4-bromo-2,5-dichlorophenyl O,O-diethyl phosphorothioate bromophos-ethyl (ISO)
 CAS 004824-78-6
 Index 015-064-00-5
 Class'n T:R25 Xn:R21 N:R50,53
 Label T, N
 R21, 25, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 225-399-0

O-4-bromo-2,5-dichlorophenyl O,O-dimethyl phosphorothioate bromophos (ISO)
 CAS 002104-96-3
 Index 015-108-00-3
 Class'n Xn:R22
 Label Xn
 R22
 S(2), 36
 218-277-3

O-4-bromo-2,5-dichlorophenyl O-methyl phenylphosphorothioate leptophos (ISO)
 CAS 021609-90-5
 Index 015-093-00-3
 Class'n T: R25, 39/25 Xn: R21 N: R50, 53
 Label T, N
 R21, 25, 39/25, 50/53
 S(1/2), 25, 36/37/39, 45, 60, 61
 244-472-8

bromoethane ethyl bromide
 CAS 000074-96-4
 Index 602-055-00-1
 Class'n F: R11 Carc Cat 3: R40 Xn: R20/22
 Label F, Xn
 R11 ,20/22, 40
 S(2), 36/37
 200-825-8

2-(2-bromoethoxy)anisole
 CAS 004463-59-6
 Index 603-090-00-5
 Class'n Xn:R22 R52, 53
 Label Xn
 R22, 52/53
 S(2), 22, 61
 402-01 0-4

bromoethylene
 CAS 000593-60-2
 Index 602-024-00-2
 Class'n F+: R12 Carc Cat 2: R45
 Label F+, T
 R45, 12
 S53, 45
 209-800-6

bromofenoxim (ISO)
 3,5-dibromo-4-hydroxybenzaldehyde-O-(2,4-dinitrophenyl)-oxime
 CAS 013181-17-4
 Index 609-032-00-5
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 25, 60, 61
 236-129-6

bromoform tribromomethane
 CAS 000075-25-2
 Index 602-007-00-X
 Class'n T: R23 Xi: R36/38 N: R51, 53
 Label T, N
 R23, 36/38, 51/53
 S(1/2), 28, 45, 61
 200-854-6

2-bromo-1-(2-furyl)-2-nitroethylene
 CAS 035950-52-8
 Index 610-010-00-2
 Class'n Xn: R22, 48/22 C: R34 R43 N: R50, 53
 Label C, N
 R22, 34, 43, 48/22, 50/53
 S(1/2), 22, 26, 36/37/39, 45, 60, 61
 406-110-9

bromomethane methylbromide
 CAS 000074-83-9
 Index 602-002-00-2
 Class'n Muta Cat 3: R68 T: R23/25 Xn: R48/20 Xi: R36/37/38 N: R50, 59
 Label T, N
 R23/25, 36/37/38, 48/20, 50, 59, 68
 S(1/2), 15, 27, 36/39, 38, 45, 59, 61
 200-813-2

● **5-bromo-8-naphtholactam**
 CAS 024856-00-6
 Index 616-081-00-6
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 22, 24, 37, 60, 61
 413-480-5

2-bromo-2-nitropropane-1,3-diol bronopol (INN)
 CAS 000052-51-7
 Index 603-085-00-8
 Class'n Xn: R21/22 Xi: R37/38, 41 N: R50
 Label Xn, N
 R21/22, 37/38, 41, 50
 S(2), 26, 37/39, 61
 200-143-0

● 2-bromo-2-nitropropanol

CAS 024403-04-1
 Index 609-062-00-9
 Class'n T: R24 Xn: R22,48/22 C: R34 R43 N: R50, 53
 Label T, N
 R22, 24 34, 43, 48/22, 50/53
 S(1/2), 26, 36/37/39, 45, 60, 61
 407-030-7

bromophos (ISO)

O-4-bromo-2,5-dichlorophenyl O,O-dimethyl phosphorothioate
 CAS 002104-96-3
 Index 015-108-00-3
 Class'n Xn:R22
 Label Xn
 R22
 S(2), 36
 218-277-3

bromophos-ethyl (ISO)

O-4-bromo-2,5-dichlorophenyl O,O-diethyl phosphorothioate
 CAS 004824-78-6
 Index 015-064-00-5
 Class'n T:R25 Xn:R21 N: R50, 53
 Label T,N
 R21, 25, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 225-399-0

1-bromopropane

propyl bromide
 CAS 000106-94-5
 Index 602-019-00-5
 Class'n R10 Xn:R20
 Label Xn
 R10, 20
 S(2) 9, 24
 203-445-0

● 2-bromopropane Note E

CAS 000075-26-3
 Index 602-085-00-5
 Class'n F: R11 Repr Cat 1: R60 Xn: R48/20 R66
 Label F,T
 R60, 11, 48/20, 66
 S16, 53, 45
 200-855-1

a-bromotoluene

benzylbromide
 CAS 000100-39-0
 Index 602-057-00-2
 Class'n Xi: R36/37/38
 Label Xi
 R36/37/38
 S(2) 39
 202-847-3

● 1-bromo-3,4,5-trifluorobenzene

CAS 138526-69-9
 Index 602-092-00-3
 Class'n R10 Carc Cat 3: R40 Xi: R38,41 N: R51,53
 Label Xn,N
 R10, 38, 40, 41, 51/53
 S(2), 23, 26, 36/37/39, 61
 418-480-9

bromoxynil (ISO)

3,5-dibromo-4-hydroxybenzonitrile

CAS 001689-84-5
 Index 608-006-00-0
 Class'n Repr Cat 3: R63 T: R25
 Label T
 R25,63
 S(1/2), 36/37, 45
 216-882-7

■ bromoxynil octanoate (ISO)

2,6-dibromo-4-cyanophenyl octanoate
 CAS 001689-99-2
 Index 608-017-00-0
 Class'n Repr Cat 3: R63 Xn: R21/22 N: R50,53
 Label Xn,N
 R21/22, 50/53, 63
 S(2), 36/37, 60, 61
 216-885-3

■ bronopol (INN)

2-bromo-2-nitroprope-1,3-diol
 CAS 000052-51-7
 Index 603-085-00-8
 Class'n Xn: R21/22 Xi: R37/38, 41 N: R50
 Label Xn,N
 R21/22, 37/38, 41, 50
 S(2), 26,37/39, 61
 200-143-0

brucine

2,3-dimethoxystrychnine
 CAS 000357-57-3
 Index 614-006-00-1
 Class'n T+: R26/28 R52, 53
 Label T+
 R26/28, 52/53
 S(1/2), 13, 45, 61
 206-614-7

brucine nitrate

brucine sulphate
 strychnidin-10-one,2,3-dimethoxy-,mono[(R)-1-methyleptyl 1, 2-benzenedicarboxy late]
 strychnidin-10-one,2,3-dimethoxy-,compd. with(S)mono(l-methylheptyl)-1,2-benzenedicarboxylate (1:1)
 CAS 005786-97-0
 Index 614-007-00-7
 Class'n T+: R26/28 R52, 53
 Label T+
 R26/28, 52/53
 S(1/2),13,45,61
 227-317-9

brucine sulphate

brucine nitrate
strychnidin-10-one, 2,3-dimethoxy-, mono[(R)>1-methylheptyl 1,2-benzenedicarboxylate]
strychnidin-10-one, 2,3-dimethoxy-, compd. with (S)mono(1-methylheptyl)-1,2-benzenedicarboxylate (1:1)
CAS 004845-99-2
Index 614-007-00-7
Class'n T+: R26/28 R52, 53
Label T+
R26/28,52/53
S(1/2), 13,45,61
225-432-9

bufa-4,20,22-trienolide,6-(acetyloxy)-3-(β-D-glucopyranosyloxy)-8,14-dihydroxy-, (3β 6β)-

red squill
scilliroside
CAS 000507-60-8
Index 614-027-00-6
Class'n T+: R28
Label T+
R28
S(1/2), 36/37, 45
208-077-4

bufencarb (ISO)

3-(1-methylbutyl)phenyl N-methylcarbamate and 3-(1-ethylpropyl)phenyl N-methylcarbamate, mixture of
CAS 008065-36-9
Index 006-047-00-3
Class'n T: R24125 N: R50, 53
Label T, N
R24/25,50/53
S(1/2),28,36/37,45,60,61

□ 1,3-butadiene Note D

buta-1,3-diene
CAS 000106-99-0
Index 601-013-00-X
Class'n F+: R12 Carc Cat 1: R45 Muta Cat 2: R46
Label F+, T
R45,46,12
S53,45
203-450-8

■ buta-1,3-diene Note D

1,3-butadiene
CAS 000106-99-0
Index 601-013-00-X
Class'n F+: R12 Carc Cat 1: R45 Muta Cat 2: R46
Label F+, T
R45,46,12
S53,45
203-450-8

butane Note C

CAS 000106-97-8
Index 601-004-00-0 (see Part III)
Class'n F+: R12
Label F+
R12
S(2), 9, 16
203-448-7

■ butane (containing >= 0.1% butadiene (EC No 203-450-8)) Notes C and S

CAS 000106-97-8
Index 601-004-01-8 (see Part III)
Class'n F+: R12 Carc Cat 1: R45 Muta Cat 2: R46
Label F+, T
R45,46,12
S53,45
203-448-7

butanedioldiglycidyl ether

1,4-bis(2,3-epoxypropoxy)butane
CAS 002425-79-8
Index 603-072-00-7
Class'n Xn: R20121 Xi: R36138 R43
Label Xn
R20/21, 36/38,43
S(2)26,28,37/39
219-371-7
Conc Conc >= 25% Xn: R20/21,36/38,43
Conc >= 20% and < 25% Xi: R36/38,43
Conc >= 1% and < 20% Xi: R43

butan-1-ol

n-butanol
CAS 000071-36-3
Index 603-004-00-6
Class'n R10 Xn: R22 Xi: R37/38,41 R67
Label Xn
R10, 22,37/38,41, 67
S(2),7/9,13,26,37/39,46
200-751-6

n-butanol

butan-1-ol
CAS 000071-36-3
Index 603-004-00-6
Class'n R10 Xn: R22 Xi: R37138, 41 R67
Label Xn
R10,22,37/38,41,67
S(2),7/9,13,26,37/39,46
200-751-6

butan-2-ol Note C

CAS 000078-92-2
Index 603-127-00-5 (see Part III)
Class'n R10 Xi: R36/37 R67
Label Xi
R10, 36/37,67
S(2)7/9,13,24/25,26,46
201-158-5

(S)-butan-2-ol Note C

CAS 004221-99-2
Index 603-127-00-5 (see
Class'n R10 Xi: R36/37 R67
Label Xi
R10,36/37,67
S(2),7/9,13,24/25,26,46
224-168-1

(R)-butan-2-ol Note C

CAS 014898-79-4
 Index 603-127-00-5 (see Part III)
 Class'n R10 Xi: R36/37 R67
 Label Xi
 R10,36/37,67
 S(2),719,13,24/25,26,46
 238-967-8

(+)-butan-2-ol Note C

CAS 015892-23-6
 Index 603-127-00-5 (see Part III)
 Class'n R10 Xi: R36/37 R67
 Label Xi
 R10,36/37,67
 S(2),719,13,24/25,26,46
 240-029-8

butanone

ethyl methyl ketone
 CAS 000078-93-3
 Index 606-002-00-3
 Class'n F: R11 Xi: R36 R66 R67
 Label F, Xi
 R11,36,66,67
 S(2),9,16
 201-159-0

2-butanone oxime

ethyl methyl ketoxime
 ethylmethyl ketoneoxime
 CAS 000096-29-7
 Index 616-014-00-0
 Class'n Carc Cat 3: R40 Xn: R21 Xi: R41 R43
 Label Xn
 R21,40,41,43
 S(2),13,23,26,36/37/39
 202-496-6

(E)-2-butenal

CAS 000123-73-9
 Index 605-009-00-9 (see Part III)
 Class'n F: R11 Muta Cat 3: R68 T+: R26 T: R24/25
 Xn: R48/22 Xi: R37/38,41 N: R50
 Label F, T+, N
 R11,24/25,26,37/38,41,48/22,50,68
 S(1/2),26,28,36/37/39,45,61
 204-647-1

2-butenal

CAS 004170-30-3
 Index 605-009-00-9 (see Part III)
 Class'n F: R11 Muta Cat 3: R68 T+: R26 T: R24/25
 Xn: R48/22 Xi: R37/38,41 N: R50
 Label F, T+, N
 R11,24/25,26,37/38,41,48/22,50,68
 S(1/2),26,28,36/37/39,45,61
 224-030-0

but-1-ene Note C

CAS 000106-98-9
 Index 601-012-00-4 (see Part III)
 Class'n F+: R12
 Label F+
 R12,
 S(2),9,16,33
 203-449-2

(Z)-but-2-ene Note C

CAS 000590-18-1
 Index 601-012-00-4 (see Part III)
 Class'n F+: R12
 Label F+
 R12
 S(2),9,16,33
 209-673-7

(E)-but-Zene Note C

CAS 000624-64-6
 Index 601-012-00-4 (see Part III)
 Class'n F+: R12
 Label F+
 R12
 S(2),9,16,33
 210-855-3

butene, mixed-1-and-2-isomers Note C

CAS 000107-01-7
 Index 601-012-00-4 (see Part III)
 Class'n F+: R12
 Label F+
 R12
 S(2),9,16,33
 203-452-9

3-(but-2-enyl)-2-methyl-4-oxocyclopent-2-enyl-2,2-dimethyl-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)cyclopropanecarboxylate cinerin II

CAS 000121-20-0
 Index 613-026-00-8
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2),60,61
 204-454-2

3-(but-2-enyl)-2-methyl-4-oxocyclopent-2-enyl-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate cinerin I

CAS 025402-06-6
 Index 613-025-00-2
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2),60,61
 246-948-0

butocarboxim

3-(methylthio)-2-butanone O-[(methylamino)carbonyl]oxime
 CAS 034681-10-2
 Index 006-083-00-X
 Class'n R10 T: R23/24/25 Xi: R36 N: R50,53
 Label T,N
 R10, 23/24/25, 36, 50/53
 S(1/2), 36/37,45, 60,61
 252-139-3

2-butoxyethanol

ethylene glycol monobutyl ether
 butyl cellosolve
 CAS 000111-76-2
 Index 603-014-00-0
 Class'n Xn: R20/21/22 Xi: R36/38
 Label Xn
 R20/21/22, 36/38
 S(2), 36/37, 46
 203-905-0

2-(2-butoxyethoxy)ethanol

diethylene glycol monobutyl ether
 CAS 000112-34-5
 Index 603-096-00-8
 Class'n Xi:R36
 Label Xi
 R36
 S(2), 24, 26
 203-961 -6

2-(2-butoxyethoxy)ethyl thiocyanate

CAS 000112-56-1
 Index 615-018-00-X
 Class'n R10 T: R24/25
 Label T
 R10, 24/25
 S(1/2), 13, 36/37, 45
 203-985-7

2-butoxyethyl acetate

butylglycol acetate
 CAS 000112-07-2
 Index 607-038-00-2
 Class'n Xn: R20/21
 Label Xn
 R20/21
 S(2), 24
 203-933-3
 Conc Conc >= 25% Xn: R20/21

2-butoxy-1-methylethyl, O-(4-amino-3,5-dichloro-6-fluoro-2-pyridyloxy) acetate
 fluroxypyr-meptyl (ISO)
 fluroxypyr-butometyl (ISO)
 methylheptyl, O-(4-amino-3,5-dichloro-6-fluoro-2-pyridyloxy) acetate

CAS 154486-27-8
 Index 607-272-00-5
 Class'n N: R50, 53
 Label N
 R50/53
 S60,61

3-butoxypropan-2-ol

propylene glycol monobutyl ether
 CAS 005131-66-8
 Index 603-052-00-8
 Class'n Xi: R36/38
 Label Xi
 R36/38
 S(2)
 225-878-4
 Conc Conc >= 20% Xi: R36/38

1-tert-butoxypropan-2-ol

CAS 057018-52-7
 Index 603-129-00-6
 Class'n R10 Xi:R41
 Label Xi
 R10,41
 S(2), 26, 39
 406-180-0

1-(2-butoxypropoxy)propan-2-ol

CAS 024083-03-2
 Index 603-050-00-7
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2)
 246-01 1-6
 Conc Conc >= 25% Xn: R21/22

n-butyl acetate

CAS 000123-86-4
 Index 607-025-00-1
 Class'n R10 R66 R67
 Label R10, 66, 67
 S(21,25
 204-658-1

sec-butyl acetate Note C

CAS 000105-46-4
 Index 607-026-00-7 (see Part III)
 Class'n F: R11 R66
 Label F
 R11, 66
 S(2), 16, 23, 25, 29, 33
 203-300-1

tert-butyl acetate Note C

CAS 000540-88-5
 Index 607-026-00-7 (see Part III)
 Class'n F:R11 R66
 Label F
 R11, 66
 S(2), 16, 23, 25, 29, 33
 208-760-7

n-butyl acrylate Note D

CAS 000141-32-2
 Index 607-062-00-3
 Class'n R10 Xi: R36/37/38 R43
 Label Xi
 R10, 36/37/38, 43
 S(2), 9
 205-480-7

tert-butyl acrylate

CAS 001663-39-4
 Index 607-245-00-8
 Class'n Xi: R36/37/38 R52, 53
 Label Xi
 R36/37/38, 52/53
 S(2), 26, 28, 61
 216-768-7.
 Conc Conc >= 10% Xi: R36/37/38

tert-butyl alcohol

2-methylpropan-2-ol
 CAS 000075-65-0
 Index 603-005-00-1
 Class'n F: R11 Xn: R20
 Label F, Xn
 R11, 20
 S(2), 9, 16
 200-889-7
 Conc Conc >= 25% Xn: R20

butylamine

CAS 000109-73-9
 Index 612-005-00-0
 Class'n F: R11 Xn: R20/21/22 C: R35
 Label F, C
 R11, 20/21/22, 35
 S(1/2), 3, 16, 26, 29, 36/37/39, 45
 203-699-2
 Conc Conc >= 25% C: R20/21/22, 35
 Conc >= 10% .and < 25% C: R35
 Conc >= 5% and < 10% C: R34
 Conc >= 1% and < 5% Xi: R36/37/38

(S)-sec-butylamine Note C

(S)-2-aminobutane
 (R)-sec-butylamine
 (R)-2-aminobutane
 sec-butylamine
 2-aminobutane
 CAS 000513-49-5
 Index 612-052-00-7
 Class'n F: R11 Xn: R20/22 C: R35 N: R50
 Label F, C, N
 R11, 20/22, 35, 50
 S(1/2), 9, 16, 26, 28, 36/37/39, 45, 61
 208-164-7

(R)-sec-butylamine Note C

(S)-sec-butylamine
 (S)-2-aminobutane
 (R)-2-aminobutane
 sec-butylamine
 2-aminobutane
 CAS 013250-12-9
 Index 612-052-00-7
 Class'n F: R11 Xn: R20/22 C: R35 N: R50
 Label F, C, N
 R11, 20/22, 35, 50
 S(1/2), 9, 16, 26, 28, 36/37/39, 45, 61
 236-232-6

sec-butylamine Note C

(S)-sec-butylamine
 (S)-2-aminobutane
 (R)-sec-butylamine
 (R)-2-aminobutane
 2-aminobutane
 CAS 013952-84-6
 Index 612-052-00-7
 Class'n F: R11 Xn: R20/22 C: R35 N: R50
 Label F, C, N
 R11, 20/22, 35, 50
 S(1/2), 9, 16, 26, 28, 36/37/39, 45, 61
 237-732-7

**2-sec-butylamino-4-ethylamino-6-methoxy- 1,3,5-triazine
secbumeton (ISO)**

CAS 026259-45-0
 Index 613-063-00-X
 Class'n Xn: R22 Xi: R36 N: R50, 53
 Label Xn, N
 R22, 36, 50/53
 S(2), 60, 61
 247-554-1

**2-tert-butylamino-4-ethylamino-6-methoxy- 1,3,5-triazine
terbumeton (ISO)**

CAS 033693-04-8
 Index 613-066-00-6
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 251-637-8

2-tert-butylaminoethyl methacrylate Note D

CAS 003775-90-4
 Index 607-128-00-1
 Class'n Xi: R36/38 R43
 Label Xi
 R36/38, 43
 S(2), 26
 223-228-4
 Conc Conc >= 20% Xi: R36/38, 43
 Conc >= 1% and < 20% Xi: R43

tert-butylarsine

CAS 004262-43-5
 Index 033-007-00-2
 Class'n F: R17 T+: R26
 Label F, T+
 R17, 26
 S(1/2), 9, 28, 36/37, 43, 45
 423-320-6

tert-butyl (5S,6R,7R)-3-bromoethyl-5,8-dioxo-7-(2-(2-phenylacetamido)-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate

CAS 033610-13-8
 Index 607-267-00-8
 Class'n R42/43 R52, 53
 Label Xn
 R42/43, 52/53
 S(2), 22, 24, 37, 61
 407-620-4

butyl butyrate Note C

CAS 000109-21-7
 Index 607-031-00-4
 Class'n R10
 Label R10
 S(2)
 203-656-8

butyl cellosolve

2- butoxyethanol
 ethylene glycol monobutyl ether
 CAS 000111-76-2
 Index 603-014-00-0
 Class'n Xn: R20/21/22 Xi: R36/38
 Label Xn
 R20/21/22, 36/38
 S(2), 36/37, 46
 203-905-0

butyl chloride

1-chlorobutane
 CAS 000109-69-3
 Index 602-059-00-3
 Class'n F: R11
 Label F
 R11
 S(2), 9, 16, 29
 203-696-6

• 2-butyl-4-chloro-4,5-dihydro-5-hydroxymethyl-1-[2'-(2-triphenylmethyl-1,2,3,4-2H-tetrazol-5-yl)-1,l'-biphenyl-4-methyl]-1H-imidazole

CAS 133909-99-6
 Index 603-164-00-7
 Class'n R53
 Label R53
 S61
 412-420-5

5(or 6)-tert-butyl-2'-chloro-6'-ethylamino-3',7'-dimethylspiro(isobenzofuran-1(1H),9'-xanthene)-3-one

Index 606-039-00-5
 Class'n Xn: R20 N: 50, 53
 Label Xn,N
 R20, 50/53
 S(2), 60, 61
 400-680-2

butyl chloroformate

chloroformic acid butyl ester
 CAS 000592-34-7
 Index 607-138-00-6
 Class'n R10 T: R23 C: R34
 Label T
 R10, 23, 34
 S(1/2), 26, 36, 45
 209-750-5

2-butyl-4-chloro-5-formylimidazole

CAS 083857-96-9
 Index 613-156-00-5
 Class'n R43 N: R51, 53
 Label Xi,N
 R43, 51/53
 S(2), 24, 37, 61
 410-260-0

4-tert-butyl-2-chlorophenyl methyl methylphosphoramidate crufomat(ISO)

CAS 000299-86-5
 Index 015-074-00-X
 Class'n Xn: R21/22 N: R50, 53
 Label Xn,N
 R21/22, 50/53
 S(2), 36/37, 60, 61
 206-083-1

• 1-[(2-tert-butyl)cyclohexyloxy]-2-butanol

CAS 139504-68-0
 Index 603-154-00-2
 Class'n N: R51, 53
 Label N
 R51 153
 S61
 412-300-2

butyl(dialkyloxy(dibutoxyphosphoryloxy))titanium (trialkyloxy)titanium phosphate

Index 015-142-00-9
 Class'n F: R11 Xi: R36 N: R51, 53
 label F, Xi, N
 R11, 36, 51/53
 S(2), 7/9, 16, 26, 43, 61
 401-100-0

tert-butyl *aa*-dimethylbenzyl peroxide

CAS 003457-61-2
 Index 617-007-00-5
 Class'n O: R7 Xi: R38 N: R51, 53
 Label O, Xi, N
 R7, 38, 51/53
 S(2), 3/7, 14, 36/37/39, 61
 222-389-8

6-sec-butyl-2,4-dinitrophenol Note E

dinoseb
 CAS 000088-85-7
 Index 609-025-00-7
 Class'n R44 T: R24/25 Repr Cat 2: R61 Repr Cat 3: R62 Xi: R36 N: R50, 53
 Label T, N
 R61, 62, 24/25, 36, 44, 50/53
 S53, 45, 60, 61
 201-861-7

2-tert-butyl-4,6-dinitrophenol Note E

dinoterb(ISO)
 CAS 001420-07-1
 Index 609-030-00-4
 Class'n ReprCat2: R61 T+: R28 T: R24 R44 N: R50, 53
 Label T+, N
 R61, 24, 28, 44, 50/53
 S53, 45, 60, 61
 215-813-8

2-sec-butyl-4,6-dinitrophenyl-3-methylcrotonate Note E
binapacryl (ISO)
CAS 000485-31-4
Index 609-024-00-1
Class'n ReprCat 2: R61 Xn: R21/22 N: R50,53
Label T,N
R61, 21/22, 50/53
S53,45, 60, 61
207-612-9

O,O-tert-butyl O-docosyl monoperoxyoxalate
CAS 116753-76-5
Index 617-013-00-8
Class'n O: R7 N: R50, 53
Label O,N
R7,50/53
S(2), 7, 14, 36/37/39, 47, 60, 61
404-300-6

1,3-butylene glycol diacrylate Note D
1-methyltrimethylene diacrylate
CAS 019485-03-1
Index 607-118-00-7
Class'n Xn:R21 C:R34 R43
Label C
R21, 34, 43
S(1/2), 26, 36/37/39, 45
243-105-9
Conc Conc >= 25% C: R21, 34, 43
Conc >= 10% and < 25% C: R34, 43
Conc >= 5% and < 10% Xi: R36/38, 43
Conc >= 1% and < 5% Xi: R43

1,4-butyleneglycol diacrylate Note D
tetramethylenediacrylate
CAS 001070-70-8
Index 607-119-00-2
Class'n Xn: R21 C: R34 R43
Label C
R21, 34, 43
S(1/2), 26, 36/37/39, 45
213-979-6
Conc Conc >= 25% C: R21, 34, 43
Conc >= 10% and < 25% C: R34, 43
Conc >= 5% and < 10% Xi: R36/38, 43
Conc >= 1% and < 5% Xi: R43

butyl 2,3-epoxypropyl ether
butylglycidylether
CAS 002426-08-6
Index 603-039-00-7
Class'n R10 Carc Cat 3: R40 Muta Cat 3: R68 Xn:
R20/22 Xi: R37 R43 R52, 53
Label Xn
R10, 20/22, 37, 40, 43, 52/53, 68
S(2), 24/25, 36/37, 61
219-376-4

5-butyl-2-ethylamino-6-methylpyrimidin-4-ol
ethirimol(ISO)
CAS 023947-60-6
Index 603-086-00-3
Class'n Xn:R21
Label Xn
R21
S(2), 36/37
245-949-3

N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide
CAS 112410-23-8
Index 61 6-076-00-9
Class'n N: R51, 53
Label N
R51/53
S61
412-850-3

2-butyl-2-ethyl-1,5-diaminopentane
CAS 137605-95-9
Index 612-164-00-6
Class'n Xn: R21/22, 48/22 C: R34 R43 R52, 53
Label C
R21/22, 34, 43, 48/22, 52/53
S(1/2), 26, 36/37/39, 45, 61
412-700-7

butyl ethyl ketone
heptan-3-one
CAS 000106-35-4
Index 606-003-00-9
Class'n R10 Xn: R20 Xi: R36
Label Xn
R10, 20, 36
S(2), 24
203-388-1

N-butyl-N-ethyl-S-propylthiocarbamate
pebulate (ISO)
CAS 001114-71-2
Index 006-034-00-2
Class'n Xn: R22 N: R51, 53
Label Xn,N
R22, 51/53
S(2), 23, 61
214-215-4

butyl formate Note C
CAS 000592-84-7
Index 607-017-00-8 (see Part III)
Class'n F: R11 Xi: R36/37
Label F,Xi
R11, 36/37
S(2), 9, 16, 24, 33
209-772-5

tert-butyl formate Note C
CAS 000762-75-4
Index 607-017-00-8 (See Part III)
Class'n F: R11 Xi: R36/37
Label F, Xi
R11, 36/37
S(2), 9, 16, 24, 33
212-105-0

butylglycidylether

butyl 2,3-epoxypropylether
 CAS 002426-08-6
 Index 603-039-00-7
 Class'n R10 Carc Cat 3: R40 Muta Cat 3: R68 Xn:
 R20/22 Xi: R37 R43 R52,53
 Label Xn
 R10,20/22,37,40,43,52/53,68
 S(2)24/25,36/37,61
 219-376-4

butylglycol acetate

2-butoxyethyl acetate
 CAS 000112-07-2
 Index 607-038-00-2
 Class'n Xn: R20/21
 Label Xn
 R20/21
 S(2), 24
 203-933-3
 conc Conc >= 25% Xn: R20/21

3-(3-tert-butyl-4-hydroxyphenyl)propionic acid

CAS 107551-67-7
 Index 607-215-00-4
 Class'n Xn: R22 Xi: R36
 Label Xn
 R22,36
 S(2),25,26,36
 403-920-4

5-tert-butyl-3-isoxazolylaminehydrochloride

Index 613-104-00-1
 Class'n Xn: R22, 48/22 Xi: R41 R52, 53
 Label Xn
 R22,41,48/22,52/53
 S(2), 26, 36/39,61
 404-840-2

butyl methacrylate Note D

CAS 000097-88-1
 Index 607-033-00-5
 Class'n R10 Xi: R36/37/38 R43
 Label Xi
 R10,36/37/38,43
 S(2)
 202-615-1

6-tert-butyl-3-methyl-2,4-dinitrophenyl acetate

medinoterb acetate (ISO)
 CAS 002487-01-6
 Index 607-166-00-9
 Class'n T: R25 Xn: R21
 Label T
 R21,25.
 S(1/2), 36/37,45
 219-634-6

butyl methyl ketone

hexan-2-one
 methyl butyl ketone
 methyl-n-butyl ketone
 CAS 000591-78-6
 Index 606-030-00-6
 Class'n R10 Repr Cat 3: R62 T: R48/23 R67
 Label T
 R10,48/23,62,67
 S(1/2), 36/37,45
 209-731-1
 Conc Conc >= 10% T: R48/23,62
 Conc >= 5% and < 10% Xn: R48/20,62
 Conc >= 1% and < 5% Xn: R48/20

• **N-tert-butyl-3-methylpicolinamide**

CAS 032998-95-1
 Index 616-064-00-3
 Class'n R52, 53
 Label R52/53
 S61
 406-720-5

1-butyl-2-methylpyridinium bromide

CAS 026576-84-1
 Index 613-081-00-8
 Class'n Xn: R22 R52, 53
 Label Xn
 R22,52/53
 S(2),61
 402-680-8

• **N-butyl-2-(4-morpholinylcarbonyl)benzamide**

CAS 104958-67-0
 Index 616-074-00-8
 Class'n Xi: R36 R43 R52, 53
 Label Xi
 R36,43,52/53
 S(2), 24,26,37, 61
 407-730-2

butyl nitrite

CAS 000544-16-1
 Index 007-016-00-7
 Class'n F: R11 T: R23/25
 Label F, T
 R11,23125
 S(1/2),16,24,45
 208-862-1

sec-butyl nitrite

CAS 000924-43-6
 Index 007-018-00-8
 Class'n F: R11 Xn: R20/22
 Label F, Xn
 R11,20/22
 S(2),16,24,46
 213-104-8

tert-butyl nitrite

CAS 000540-80-7
 Index 007-019-00-3
 Class'n F: R11 Xn: R20/22
 Label FXn
 R11, 20/22
 S(2), 16, 24, 46
 208-757-0

2-(4-(N-butyl-N-phenethylamino)phenyl)ethylene-1,1,2-tricarbonitrile

CAS 097460-76-9
 Index 608-024-00-9
 Class'n R53
 Label R53
 S61
 407-650-8

2-(4-tert-butylphenoxy) cyclohexyl prop-2-ynyl sulphite propargite (ISO)

CAS 002312-35-8
 Index 607-151-00-7
 Class'n Xn: R22 Xi: R36 N: R50, 53
 Label Xn, N
 R22, 36, 50/53
 S(2), 24, 60, 61
 219-006-1

● 2-(4-tert-butylphenyl)ethanol

CAS 005406-86-0
 Index 603-152-00-1
 Class'n ReprCat 3: R62 Xn: R48/22 Xi: R41 N: R51, 53
 Label Xn, N
 R41, 48/22, 62, 51/53
 S(2), 26, 36/37/39, 61
 410-020-5

2-butylphenyl methylcarbamate
fenobucarb

CAS 003766-81-2
 Index 006-085-00-0
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 223-188-8

butyl propionate {n} Note C

CAS 000590-01-2
 Index 607-029-00-3, (see Part III)
 Class'n R10
 Label R10
 S(2)
 209-669-5

butyl propionate {iso} Note C

CAS 000540-42-1
 Index 607-029-00-3 (see Part III)
 Class'n R10
 Label R10
 S(2)
 208-746-0

butyl propionate {sec} Note C

CAS 000591-34-4
 Index 607-029-00-3 (see Part III)
 Class'n R10
 Label R10
 S(2)

butyl propionate {tert} Note C

CAS 020487-40-5
 Index 607-029-00-3 (see Part III)
 Class'n R10
 Label R10
 S(2)

● butyl (RS)-2-[4-(5-trifluoromethyl-2-pyridyloxy)

phenoxy]propionate
 fluazifop-butyl (ISO)
 CAS 069806-50-4
 Index 607-304-00-8
 Class'n ReprCat 2: R61 N: R50, 53
 Label T, N
 R61, 50/53
 S53, 45, 60, 61
 274-125-6

● butyl (R)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]
propionate

fluazifop-P-butyl (ISO)
 CAS 079241-46-6
 Index 607-305-00-3
 Class'n ReprCat 3: R63 N: R50, 53
 Label Xn, N
 R50/53, 63
 S(2), 29, 36/37, 46, 60, 61

2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloropyridazin-3(2H)-one

CAS 096489-71-3
 Index 613-149-00-7
 Class'n T: R23/25 N: R50, 53
 Label T, N
 R23/25, 50/53
 S(1/2), 36/37, 45, 60, 61
 405-700-3

■ 1-(5-tert-butyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
tebuthiuron (ISO)

CAS 034014-18-1
 Index 616-020-00-3
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 37, 60, 61
 251-793-7

S-tert-butylthiomethyl O,O-diethylphosphorodithioate
terbufos

CAS 013071-79-9
 Index 015-139-00-2
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 36/37, 45
 235-963-8

butyltricyclohexylstamanetetracyclohexylstannane
chlorotricyclohexylstannane

CAS 007067-44-9

Index 050-012-00-5

Class'n Xn: R20/21/22 N: R50,53

Label Xn, N
R20/21/22,50/53
S(2), 26, 28, 60, 61
230-358-5

Conc Note 1

Conc >= 1% Xn: R20/21/22

● tert-butyl (triphenylphosphoranylidene)acetate

CAS 035000-38-5

Index 015-175-00-9

Class'n T: R25 Xn: R48/22 Xi R36 R43 N: R51,53
Label T, NR25,36,43,48/22,51/53
S(1/2),26,36/37/39,45, 61
412-880-7

but-2-yne-1,4-diol

2-butyne-1,4-diol

CAS 000110-65-6

Index 603-076-00-9

Class'n T: R23/25 Xn: R21,48/22 C: R34

Label T
R21,23/25,34,48/22
S(1/2),26,36/37/39,45
203-788-6Conc Conc >= 50% T: R21,23/25,34,48/22
Conc >= 25% and < 50% T: R21,23/25,36/38,
48/22
Conc >= 10% and < 25% Xn: R20/22,48/22
Conc >= 3% and < 10% Xn: R20/22

2-butyne-1,4-diol

but-2-yne-1,4-diol

CAS 000110-65-6

Index 603-076-00-9

Class'n T R23/25 Xn: R21,48/22 C: R34

Label T
R21, 23/25,34,48/22
S(1/2),26, 36/37/39,45
203-788-6Conc Conc >= 50% T: R21,23/25,34,48/22
Conc >= 25% and < 50% T: R21,23/25,36/38,
48/22
Conc >= 10% and < 25% Xn: R20/22,48/22
Conc >= 3% and < 10% Xn: R20/22

butyraldehyde

CAS 000123-72-8

Index 605-006-00-2

Class'n F: R11

Label F
R11
S(2), 9, 29, 33
204-646-6

butyraldehyde oxime

CAS 000110-69-0

Index 616-013-00-5

Class'n T: R24 Xn: R22 Xi: R36

Label T
R22,24,36
S(1/2),23,36,45
203-792-8

butyric acid

CAS 000107-92-6

Index 607-135-00-X

Class'n C: R34

Label C
R34
S(1/2), 26, 36,45
203-532-3

n-butyronitrile

CAS 000109-74-0

Index 608-005-00-5

Class'n R10 T: R23/24/25

Label T
R10,23/24/25
S(1/2),45
203-700-6

butyryl chloride

CAS 000141-75-3

Index 607-136-00-5

Class'n F: R11 C: R34

Label F, C
R11,34
S(1/2), 16, 23, 26, 36, 45
205-498-5

cadmium chloride Note E

CAS 010108-64-2

Index 048-008-00-3

Class'n Carc Cat 2: R45 Muta Cat 2: R46 Repr Cat 2:
R60,61 T+: R26 T: R25,48/23/25 N: R50,53Label T+, N
R45,46,60,61,25,26,48/23/25,50/53
S53,45,60,61
233-296-7Conc Conc >= 10% T+: R45,46,60,61,25,26,
48/23/25
Conc >= 7% and < 10% T+: R45,46,60,61,22,
26,48/23/25
Conc >= 1% and < 7% T: R45,46,60,61,22,23,
48/20/22
Conc >= 0.5% and < 1% T: R45,46,60,61,20/22,
48/20/22
Conc >= 0.1% and < 0.5% T: R45,46,20/22,
48/20/22
Conc >= 0.01% and < 0.1% T: R45



cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), mixture of cadmium sulphide with zinc sulphide (xCdS.yZnS), mixture of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in the ASL Note A

Index 048-001-00-5
 Class'n Xn: R20/21/22 N: R50, 53
 Label Xn,N
 R20/21/22, 50/53
 S(2), 60, 61
 Conc Note 1
 Conc >= 0.1% Xn: R20/21/22

cadmium cyanide

CAS 000542-83-6
 Index 048-004-00-1
 Class'n T+: R26/27/28 R32 R33 Xn: R68 N: R50, 53
 Label T+, N
 R26/27/28, 32, 33, 50/53, 68
 S(1/2), 7, 28, 29, 45, 60, 61
 208-829-1
 Conc Conc >= 7% T+: R26/27/28, 32, 33, 68
 Conc >= 1% and < 7% T: R23/24/25, 32, 33, 68
 Conc >= 0.1% and < 1% Xn: R20/21/22, 33

cadmium diformate

cadmiumformate
 CAS 004464-23-7
 Index 048-003-00-6
 Class'n T: R23/25 R33 Xn: R68 N: R50, 53
 Label T, N
 R23/25, 33, 50/53, 68
 S(1/2), 22, 45, 60, 61
 224-729-0
 Conc Conc >= 10% T: R23/25, 33, 68
 Conc >= 1% and < 10% Xn: R20/22, 33, 68
 Conc >= 0.1% and < 1% Xn: R20/22, 33

cadmium fluoride Note E

CAS 007790-79-6
 Index 048-006-00-2
 Class'n Carc Cat 2: R45 Muta Cat 2: R46 Repr Cat 2:
 R60, 61 T+: R26 T: R25, 48/23/25 N: R50, 53
 Label T+, N
 R45, 46, 60, 61, 25, 26, 48/23/25, 50/53
 S53, 45, 60, 61
 232-222-0
 Conc Conc >= 10% T+: R45, 46, 60, 61, 25, 26,
 48/23/25
 Conc >= 7% and < 10% T+: R45, 46, 60, 61, 22,
 26, 48/23/25
 Conc >= 1% and < 7% T: R45, 46, 60, 61, 22, 23,
 48/20/22
 Conc >= 0.5% and < 1% T: R45, 46, 60, 61, 20/22,
 48/20/22
 Conc >= 0.1% and < 0.5% T: R45, 46, 20/22,
 48/20/22
 Conc >= 0.01% and < 0.1% T: R45

cadmium fluorosilicate

cadmium hexafluorosilicate(2-)
 CAS 017010-21-8
 Index 048-005-00-7
 Class'n T: R23/25 R33 Xn: R68 N: R50, 53
 Label T, N
 R23/25, 33, 50/53, 68
 S(1/2), 22, 45, 60, 61
 241-084-0
 Conc Conc >= 10% T: R23/25, 33, 68
 Conc >= 1% and < 10% Xn: R20/22, 33, 68
 Conc >= 0.1% and < 1% Xn: R20/22, 33

cadmium formate

cadmium diformate
 CAS 004464-23-7
 Index 048-003-00-6
 Class'n T: R23/25 R33 Xn: R68 N: R50, 53
 Label T, N
 R23/25, 33, 50/53, 68
 S(1/2), 22, 45, 60, 61
 224-729-0
 Conc Conc >= 10% T: R23/25, 33, 68
 Conc >= 1% and < 10% Xn: R20/22, 33, 68
 Conc >= 0.1% and < 1% Xn: R20/22, 33

cadmium hexafluorosilicate(2-)

cadmiumfluorosilicate
 CAS 017010-21-8
 Index 048-005-00-7
 Class'n T: R23/25 R33 Xn: R68 N: R50, 53
 Label T, N
 R23/25, 33, 50/53, 68
 S(1/2), 22, 45, 60, 61
 241-084-0
 Conc Conc >= 10% T: R23/25, 33, 68
 Conc >= 1% and < 10% Xn: R20/22, 33, 68
 Conc >= 0.1% and < 1% Xn: R20/22, 33

cadmium iodide

CAS 007790-80-9
 Index 048-007-00-8
 Class'n T: R23/25 R33 Xn: R68 N: R50, 53
 Label T, N
 R23/25, 33, 50/53, 68
 S(1/2), 22, 45, 60, 61
 232-223-6
 Conc Conc >= 10% T: R23/25, 33, 68
 Conc >= 1% and < 10% Xn: R20/22, 33, 68
 Conc >= 0.1% and < 1% Xn: R20/22, 33

cadmium oxide Note E

CAS 001306-19-0
 Index 048-002-00-0
 Class'n Carc Cat 2: R49 T: R48/23/25 Xn: R22
 Label T
 R49, 22, 48/23/25
 S53.45
 215-146-2

cadmium sulphate Note E

CAS 010124-36-4
 Index 048-009-00-9
 Class'n Carc Cat 2: R49 T: R48/23/25 Xn: R22 N: R50, 53
 Label T, N
 R49,22,48/23/25,50/53
 S53,45,60,61
 233-331-6

■ cadmium sulphide

CAS 001306-23-6
 Index 048-010-00-4
 Class'n Carc Cat 3: R40 T: R48/23/25 Xn: R22 R53
 Label T
 R22,40,48/23/25,53
 S(1/2),22,36/37,45,61
 215-147-8
 Conc Note 1
 Conc >= 10% T: R22,40,48/23/25
 Conc >= 1% and < 10% Xn: R40,48/20/22
 Conc >= 0.1% and < 1% Xn: R48/20/22

caffeine

CAS 000058-08-2
 Index 613-086-00-5
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 200-362-1

calcium

CAS 007440-70-2
 Index 020-001-00-X
 Class'n F: R15
 Label F
 R15
 S(2),8,24/25,43
 231-179-5

calcium carbide

CAS 000075-20-7
 Index 006-004-00-9
 Class'n F: R15
 Label F
 R15
 S(2),8,43
 200-848-3

calcium chloride

CAS 010043-52-4
 Index 017-013-00-2
 Class'n Xi: R36
 Label Xi
 R36
 S(2),22,24
 233-140-8

calcium chromate Note E

CAS 013765-19-0
 Index 024-008-00-9
 Class'n Carc Cat 2: R45 Xn: R22 N: R50, 53
 Label T, N
 R45,22,50/53
 S53,45,60,61
 237-366-8

calcium cyanamide

CAS 000156-62-7
 Index 615-017-00-4
 Class'n Xn: R22 Xi: R37, 41
 Label Xn
 R22,37,41
 S(2),22,26,36/37/39
 205-861-8

■ calcium cyanide

CAS 000592-01-8
 Index 020-002-00-5
 Class'n T+: R28 R32 N: R50, 53
 Label T+, N
 R28,32,50/53
 S(1/2),8,23,36/37,45,60,61
 209-740-0

calcium 2,5-dichloro-4-(4-((5-chloro-4-methyl-2-sulphonatophenyl)azo)-5-hydroxy-3-methylpyrazol-1-yl)benzenesulphonate

Index 016-041-00-2
 Class'n Xn: R20
 Label Xn
 R20
 S(2)
 400-710-4

calciumhydride

CAS 007789-78-8
 Index 001-004-00-5
 Class'n F: R15
 Label F
 R15
 S(2),718,24/25,43
 232-189-2

calcium P,P'-(1-hydroxyethylene)bis(hydrogen phosphonate)dihydrate

CAS 036669-85-9
 Index 015-164-00-9
 Class'n R52, 53
 Label R52/53
 S61
 400-480-5

calcium hypochlorite

CAS	007778-54-3
Index	017-012-00-7
Class'n	O:R8 Xn:R22 R31 C:R34 N:R50
Label	O, C, N R8, 22, 31, 34, 50 S(1/2), 26, 36/37/39, 45, 61 231-908-7
Conc	Conc >= 25% C: R22, 34 Conc >= 10% and < 25% C: R34 Conc >= 3% and < 10% Xi: R37/38, 41 Conc >= 0.5% and < 3% Xi: R36

calcium iodoxybenzoate Note C

Index	053-004-00-X
Class'n	E:RI
Label	E R1 S(2), 35

calcium octadecylxylenesulfonate

Index	01 6-049-00-6
Class'n	C: R34 N: R51, 53
Label	C, N R34, 51/53 S(1/2), 26, 28, 36/37/39, 45, 61 402-040-8

■ **calcium phosphide**

tricalcium diphosphide	
CAS	001305-99-3
Index	015-003-00-2
Class'n	F: R15/29 T+: R28 N: R50
Label	F, T+, N R15/29, 28, 50 S(1/2), 22, 43, 45, 61 215-142-0

■ **calcium polysulphides**

CAS	001344-81-6
Index	016-005-00-6
Class'n	R31 Xi: R36/37/38 N: R50
Label	Xi, N R31, 36/37/38, 50 S(2), 28, 61 21 5-709-2

■ **calcium sulphide**

CAS	020548-54-3
Index	016-004-00-0
Class'n	R31 Xi: R36/37/38 N: R50
Label	Xi, N R31, 36/37/38, 50 S(2), 28, 61 243-873-5

C8-18alkylbis(2-hydroxyethyl)ammonium bis(2-ethylhexyl)

phosphate	
CAS	068132-19-4
Index	612-116-00-4
Class'n	T: R23 C: R34 R43 N: R50, 53
Label	T, N R23, 34, 43, 50/53 S(1/2), 26, 36/37/39, 45, 60, 61 404-690-8

calomel

dimercury dichloride mercurous chloride	
CAS	010112-91-1
Index	080-003-00-1
Class'n	Xn: R22 Xi: R36/37/38 N: R50, 53
Label	Xn, N R22, 36/37/38, 50/53 S(2), 13, 24/25, 46, 60, 61 233-307-5

camphechlor

toxaphene	
CAS	008001-35-2
Index	602-044-00-1
Class'n	Carc Cat 3: R40 T: R25 Xn: R21 Xi: R37/38 N: R50, 53
Label	T, N R21, 25, 37/38, 40, 50/53 S(1/2), 36/37, 45, 60, 61 232-283-3

U-caprolactam

CAS	000105-60-2
Index	613-069-00-2
Class'n	Xn: R20/22 Xi: R36/37/38
Label	Xn R20/22, 36/37/38 S(2) 203-313-2

captafol (ISO)

1,2,3,6-tetrahydro-N-(1,1,2,2-tetrachloroethylthio)phthalialide	
CAS	002425-06-1
Index	613-046-00-7
Class'n	Carc Cat 2: R45 R43 N: R50, 53
Label	T, N R45, 43, 50/53 S53, 45, 60, 61 219-363-3

■ **captan (ISO)**

1,2,3,6-tetrahydro-N-(trichloromethylthio)phthalimide	
CAS	000133-06-2
Index	613-044-00-6
Class'n	Carc Cat 3: R40 T: R23 Xi: R41 R43 N: R50
Label	T, N R23, 40, 41, 43, 50 S(1/2), 26, 29, 36/37/39, 45, 61 205-087-0

carbadox (INN) Note E

methyl 3-(quinoxalin-2-ylmethylene)carbazate 1,edioxide 2-(methoxycarbonylhydrazonomethyl)quinoxaline 1,4-dioxide	
CAS	006804-07-5
Index	61 3-050-00-9
Class'n	F: R11 Carc Cat 2: R45 Xn: R22
Label	F, T R45, 11, 22 S53, 45 229-879-0

carbanonitril

cyanamide

CAS 000420-04-2
 Index 61 5-01 3-00-2
 Class'n T: R25 Xn: R21 Xi: R36/38 R43
 Label T
 R21, 25, 36/38, 43
 S(1/2), 3, 22, 36/37, 45
 206-992-3

carbaryl (ISO)

1-naphthyl methylcarbamate

CAS 000063-25-2
 Index 006-01 1-00-7
 Class'n Carc Cat 3: R40 Xn: R22 N: R50
 Label Xn,N
 R22, 40, 50
 S(2), 22, 24, 36/37, 46, 61
 200-555-0

carbendazim (ISO)

methyl benzimidazol-2-ylcarbamate

CAS 010605-21-7
 Index 613-048-00-8
 Class'n Muta Cat 3: R68
 Label Xn
 R68
 S(2), 36/37
 234-232-0

carbofuran (ISO)

2,3-dihydro-2,2-dimethylbenzofuran-7-yl N-methylcarbamate

CAS 001563-66-2
 Index 006-026-00-9
 Class'n T+: R26/28 N: R50, 53
 Label T+,N
 R26/28, 50/53
 S(1/2), 36/37, 45, 60, 61
 216-353-0

carbon disulphide

CAS 000075-15-0
 Index 006-003-00-3
 Class'n F: R11 ReprCat 3: R62, 63 T: R48/23 Xi: R36/38
 Label F, T
 R11, 36/38, 48/23, 62, 63
 S(1/2), 16, 33, 36/37, 45
 200-843-6
 Conc Conc \geq 20% T: R36/38, 48/23, 62, 63
 Conc \geq 1% and $<$ 20% T: R48/23, 62, 63
 Conc \geq 0.2% and $<$ 1% Xn: R48/20

4,4'-carbonimidoylbis[N,N-dimethylaniline]

auramine

CAS 000492-80-8
 Index 612-096-00-7
 Class'n Carc Cat 3: R40 Xn: R22 Xi: R36 N: R51, 53
 Label Xn,N
 R22, 36, 40, 51/53
 S(2), 36/37, 61
 207-762-5

4,4'-carbonimidoylbis[N,N-dimethylaniline], salts of Note A

Index 612-097-00-2
 Class'n Carc Cat 3: R40 Xn: R22 Xi: R36 N: 51,53
 Label Xn,N
 R22, 36, 40, 51/53
 S(2), 36/37, 61

carbon monoxide Note E

CAS 000630-08-0
 Index 006-001-00-2
 Class'n F+: R12 ReprCat 1: R61 T: R23, 48/23
 Label F+, T
 R61, 12 23, 48/23
 S53, 45
 211-128-3

carbon tetrachloride

tetrachloromethane

CAS 000056-23-5
 Index 602-008-00-5
 Class'n Carc Cat 3: R40 T: R23/24/25, 48/23 R52, 53
 N: R59
 Label T,N
 R23/24/25, 40, 48/23, 52/53, 59
 S(1/2), 23, 36/37, 45, 59, 61
 200-262-8
 Conc Conc \geq 1% T: R23/24/25, 40, 48/23
 Conc \geq 0.2% and $<$ 1% Xn: R20/21/22, 48/20

carbonyl chloride

phosgene

CAS 000075-44-5
 Index 006-002-00-8
 Class'n T+: R26 C: R34
 Label T+
 R26, 34
 S(1/2), 9, 26, 36/37/39, 45
 200-870-3
 Conc Note5
 Conc \geq 5% T+: R26, 34
 Conc \geq 1% and $<$ 5% T+: R26, 36/37/38
 Conc \geq 0.5% and $<$ 1% T R23, 36/37/38
 Conc \geq 0.2% and $<$ 0.5% T: R23
 Conc \geq 0.02% and $<$ 0.2% Xn: R20

4,4'-carbonyldi(phthalic anhydride)

benzophenone-3,3',4,4'-tetracarboxylic dianhydride

CAS 002421-28-5
 Index 607-1 00-00-9
 Class'n Xi: R36/37
 Label Xi
 R36/37
 S(2), 25
 219-348-1
 Conc Conc \geq 1% Xi: R36/37

carbophenothion (ISO)

4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate

CAS 000786-19-6
 Index 015-044-00-6
 Class'n T: R24/25 N: R50, 53
 Label T,N
 R24/25, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 212-324-1



carbosulfan

2,3-dihydro-2,2-dimethyl-7-benzofuryl [(dibutylamino)thio] methylcarbamate

CAS 055285-14-8

Index 006-084-00-5

Class'n T: R23/25 R43 N: R50, 53

Label T, N
R23/25, 43, 50/53
S(1/2), 24, 37, 38, 45, 60, 61
259-565-9

- 3-(7-carboxyhept-1-yl)-6-hexyl-4-cyclohexene-1,2-dicarboxylic acid with polyamines (primarily aminoethylpiperazine and triethylenetetramine); condensation product of

Index 616-060-00-1

Class'n Xn: R22 C: R34 R43 N: R50, 53

Label C, N
R22, 34, 43, 50/53
S(1/2), 26, 36/37/39, 45, 60, 61
413-770-1

- carfentrazone-ethyl (ISO)

ethyl(RS~2-chloro-3-[2-chloro-4-fluoro-5-[4-difluoromethyl-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl] propionate

CAS 128639-02-1

Index 607-309-00-5

Class'n N: R50, 53

Label N
R50/53
S60,61

- cartap hydrochloride

CAS 015263-52-2

Index 616-017-00-7

Class'n Xn: R21/22 N: R50, 53

Label Xn, N
R21/22, 50/53
S(2), 36/37, 60, 61
239-309-2

caustic potash
potassiumhydroxide

CAS 001310-58-3

Index 019-002-00-8

Class'n Xn: R22 C: R35

Label C
R22, 35
S(1/2), 26, 36/37/39, 45
215-181-3

Conc Conc >= 25% C: R22, 35
Conc >= 5% and < 25% C: R35
Conc >= 2% and < 5% C: R34
Conc >= 0.5% and < 2% Xi: R36/38

(C 16 or C 18-n-alkyl)(C 16 or C 18-n-alkyl)ammonium 2-(C 16 or C 18-n-alkyl)(C 16 or C 18-n-alkyl)carbamoyl benzenesulfonate

Index 016-053-00-8

Class'n Xi: R38 R43 R53

Label Xi
R38, 43, 53
S(2), 24, 37, 61
402-460-1

C,C'-azodi(formamide)

CAS 000123-77-3

Index 611-028-00-3

Class'n R42 R44

Label Xn
R42, 44
S(2), 22, 24, 37
204-650-8

Cellobiohydrolase, exo-

CAS 037329-65-0

Index 647-003-00-9

Class'n R42

Label Xn
R42
S(2), 22, 24, 36/37
253-465-9

Cellulase

CAS 009012-54-8

Index 647-002-00-3

Class'n R42

Label Xn
R42
S(2), 22, 24, 36/37
232-734-4

cellulases with the exception of those specified elsewhere in the Approved Supply List

Index 647-004-00-4

Class'n R42

Label Xn
R42
S(2), 22, 24, 36/37

cellulose nitrate

nitrocellulose, containing more than 12.6 % nitrogen

Index 603-037-00-6

Class'n E: R3 R1

Label E
R1, 3
S(2), 35

cellulose nitrate

nitrocellulose, containing a maximum of 12.6 % nitrogen

Index 603-037-01-3

Class'n F: R11

Label F
R11
S(2), 16, 33, 37/39

chinomethionat (ISO)

quinomethionate

6-methyl-1,3-dithiolo(4,5-b)quinoxalin-2-one

CAS 002439-01-2

Index 606-036-00-9

Class'n Repr Cat 3: R62 Xn: R20/21/22, 48/22 Xi: R36
R43 N: R50, 53

Label Xn, N
R20/21/22, 36, 43, 48/22, 50/53, 62
S(2), 24, 37, 60, 61
219-455-3

2-chloracetamide

CAS 000079-07-2
 Index 616-036-00-0
 Class'n Repr Cat 3: R62 T: R25 R43
 Label T
 R25, 43, 62
 S(1/2), 22, 36/37, 45
 201-174-2

chloral hydrate.

2,2,2-trichloroethane-1,1-diol
 CAS 000302-17-0
 Index 605-014-00-6
 Class'n T: R25 Xi: R36/38
 Label T
 R25, 36/38
 S(1/2), 25, 45
 206-117-5

chloralose (INN)

(R)-1,2-O-(2,2,2-trichloroethylidene)- α -D-glucopyranose
 glucochloralose
 anhydroglucochloral
 CAS 015879-93-3
 Index 605-013-00-0
 Class'n Xn: R20/22
 Label Xn
 R20/22
 S(2), 16, 24/25, 28
 240-016-7

4-chlorbut-2-ynyl N-(3-chlorophenyl)carbamate

barban (ISO)
 CAS 000101-27-9
 Index 006-020-00-6
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 24, 36/37, 60, 61
 202-930-4

chlordan (ISO)

1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan
 CAS 000057-74-9
 Index 602-047-00-8
 Class'n Carc Cat 3: R40 Xn: R21/22 N: R50, 53
 Label Xn, N
 R21/22, 40, 50/53
 S(2), 36/37, 60, 61
 200-349-0

chlordecone (ISO)

perchloropentacyclo[5,3,0,0,2.6,0.3.9,0.4.8]decan-5-one
 decachloropentacyclo[5,2,1,0.2.6,0.3.9,0.5.8]decan-4-one
 CAS 000143-50-0
 Index 606-019-00-6
 Class'n Carc Cat 3: R40 T: R24/25 N: R50, 53
 Label T, N
 R24/25, 40, 50/53
 S(1/2), 22, 36/37, 45, 60, 61
 205-601-3

chlordimeform (ISO)

N2-(4-chloro-o-tolyl)-N1,N1-dimethylformamidine
 CAS 0061 64-98-3
 Index 650-007-00-3
 Class'n Carc Cat 3: R40 Xn: R21/22
 Label Xn
 R21/22, 40
 S(2), 22, 36/37
 228-200-5

chlordimeform hydrochloride

N'-(4-chloro-o-tolyl)N,N-dimethylformamidine
 monohydrochloride
 N2-(4-chloro-o-tolyl)-N1,N1-dimethylformamidine hydrochloride
 CAS 019750-95-9
 Index 650-009-00-4
 Class'n Carc Cat 3: R40 Xn: R22 N: R50, 53
 Label Xn, N
 R22, 40, 50/53
 S(2), 22, 36/37, 60, 61
 243-269-1

chlorfenac

2,3,6-trichlorophenylacetic acid
 CAS 000085-34-7
 Index 607-074-00-9
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22, 51/53
 S(2), 36, 61
 201-599-3

chlorfenethol (ISO)

1,1-bis(4-chlorophenyl)ethanol
 CAS 000080-06-8
 Index 603-049-00-1
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22, 51/53
 S(2), 36, 61
 201-246-3

chlorfenpropmethyl

methyl 2-chloro-3-(4-chlorophenyl)propionate
 CAS 01 4437-1 7-3
 Index 607-075-00-4
 Class'n Xn: R21/22 N: R50, 53
 Label Xn, N
 R21/22, 50/53
 S(2), 36/37, 60, 61
 238-413-5

chlorfenson (ISO)

4-chlorophenyl 4-chlorobenzenesulfonate
 CAS 000080-33-1
 Index 607-156-00-4
 Class'n Xn: R22 Xi: R38 N: R50, 53
 Label Xn, N
 R22, 38, 50/53
 S(2), 37, 60, 61
 201-270-4

chlorfenvinphos (ISO)

2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate
 CAS 000470-90-6
 Index 01 5-071-00-3
 Class'n T+: R28 T: R24 N: R50, 53
 Label T+,N
 R24, 28, 50/53
 31/21, 28, 36/37, 45, 60, 61
 207-432-0

chloridazon (ISO)

5-amino-4-chloro-2-phenylpyridazine-3-(2H)-one
 pyrazon
 CAS 001698-60-8
 Index 606-035-00-3
 Class'n R43 N: R50, 53
 Label Xi,N
 R43,50/53
 S(2), 24, 37, 60, 61
 216-920-2

chlorine

CAS 007782-50-5
 Index 017-001-00-7
 Class'n T: R23 Xi: R36/37/38 N: R50
 Label T,N
 R23, 36/37/38, 50
 S(1/2), 9, 45, 61
 231-959-5

chlorine dioxide

CAS 010049-04-4
 Index 006-089-00-2
 Class'n O: R8 R6 T+: R26 C: R34 N: R50
 Label O,T+,N
 R6, 8, 26, 34, 50
 S(1/2), 23, 26, 28, 36/37/39, 38, 45, 61
 233-162-8
 Conc Note5
 Conc >= 5% T+: N: R26, 34, 50
 Conc >= 1% and < 5% T+: N: R26, 36/37/38, 50
 Conc >= 0.5% and < 1% T: N: R23, 36/37/38, 50
 Conc >= 0.2% and < 0.5% T: N: R23, 50
 Conc >= 0.02% and < 0.2% Xn: N: R20, 50

chlorine dioxide ... % Note B

CAS 010049-04-4
 Index 006-089-01 -X
 Class'n T: R25 C: R34 N: R50
 Label T,N
 R25, 34, 50
 S(1/2), 23, 26, 28, 36/37/39, 45, 61
 233-162-8
 Conc Conc >= 25% T: N: R25, 34, 50
 Conc >= 10% and < 25% C: N: R22, 34, 50
 Conc >= 3% and < 10% Xn: N: R22, 36/37/38, 50
 Conc >= 0.3% and < 3% Xi: R36

chlormephos (ISO)

S-chloromethyl O,O-diethyl phosphorodithioate
 CAS 024934-91-6
 Index 015-114-00-6
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 28, 36/37, 45
 246-538-1

chlormequat chloride (ISO)

2-chloroethyltrimethylammonium chloride
 CAS 000999-81-5
 Index 007-003-00-6
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2), 36/37
 213-666-4

chlormethyl methyl ether Note E

chlorodimethylether
 CAS 000107-30-2
 Index 603-075-00-3
 Class'n F: R11 Carc Cat 1: R45 Xn: R20/21/22
 Label F, T
 R45,11,20/21/22
 S53, 45
 203-480-1

chloroacetaldehyde

CAS 000107-20-0
 Index 605-025-00-6
 Class'n Carc Cat 3: R40 T+: R26 T R24/25 C: R34
 N: R50
 Label T+,N
 R24/25, 26, 34, 40, 50
 S(1/2), 26, 28, 36/37/39, 45, 61
 203-472-8
 Conc Conc >= 25% T+: R24/25, 26, 34, 40
 Conc >= 10% and < 25% T+: R21/22, 26, 34, 40
 Conc >= 7% and < 10% T+: R21/22, 26,
 36/37/38, 40
 Conc >= 5% and < 7% T: R21/22, 23, 36/37/38,
 40
 Conc >= 3% and < 5% T: R21/22, 23, 40
 Conc >= 1% and < 3% T: R23, 40
 Conc >= 0.1% and < 1% Xn: R20

chloroacetic acid

CAS 000079-1 1-8
 Index 607-003-00-1
 Class'n T: R25 C: R34 N: R50
 Label T,N
 R25, 34, 50
 S(1/2), 23, 37, 45, 61
 201-178-4

chloroacetonitrile

CAS 000107-14-2
 Index 608-008-00-1
 Class'n T: R23/24/25 N: R51, 53
 Label T,N
 R23/24/25, 51/53
 S(1/2), 45, 61
 203-467-0

chloroacetyl chloride

CAS 000079-04-9
 Index 607-080-00-1
 Class'n R14 R29 T: R23/24/25, 48/23 C: R35 N: R50
 Label T, C, N
 R14, 23/24/25, 35, 48/23, 50
 S(1/2), 7/8, 9, 26, 36/37/39, 45, 61
 201-171-6

2-chloroallyl N,N-dimethyldithiocarbamate Note E

sulfallate (ISO)
 CAS 000095-06-7
 Index 006-038-00-4
 Class'n Carc Cat 2: R45 Xn: R22 N: R50,53
 Label T, N
 R45, 22, 50/53
 S53, 45, 60, 61
 202-388-9

4-chloroaniline Note E

CAS 000106-47-8
 Index 612-137-00-9
 Class'n Carc Cat 2: R45 T: R23/24/25 R43 N: R50,53
 Label T, N
 R45, 23/24/25, 43, 50/53
 S53, 45, 60, 61
 203-401-0

chloroaniline (di-) Note C

chloroaniline (mono-)
 chloroaniline (tri-)
 Index 612-010-00-8
 Class'n T: R23/24/25 R33 N: R50,53
 Label T, N
 R23/24/25, 33, 50/53
 S(1/2), 28, 36/37, 45, 60, 61

chloroaniline (mono-) Note C

chloroaniline (di-)
 chloroaniline (tri-)
 Index 612-010-00-8
 Class'n T: R23/24/25 R33 N: R50,53
 Label T, N
 R23/24/25, 33, 50/53
 S(1/2), 28, 36/37, 45, 60, 61

chloroaniline (tri-) Note C

chloroaniline (mono-)
 chloroaniline (di-)
 Index 612-010-00-8
 Class'n T: R23/24/25 R33 N: R50, 53
 Label T, N
 R23/24/25, 33, 50/53
 S(1/2), 28, 36/37, 45, 60, 61

o-chlorobenzaldehyde

2-chlorobenzaldehyde
 CAS 000089-98-5
 Index 605-011-00-X
 Class'n C: R34
 Label C
 R34
 S(1/2), 26, 45
 201-956-3

2-chlorobenzaldehyde

o-chlorobenzaldehyde
 CAS 000089-98-5
 Index 605-011-00-X
 Class'n C: R34
 Label C
 R34
 S(1/2), 26, 45
 201-956-3

chlorobenzene

CAS 000108-90-7
 Index 602-033-00-1
 Class'n R10 Xn: R20 N: R51, 53
 Label Xn, N
 R10, 20, 51/53
 S(2), 24/25, 61
 203-628-5
 Conc Conc >= 5% Xn: R20

chlorobenzilate (ISO)

ethyl 2,2-di(4-chlorophenyl)-2-hydroxyacetate
 ethyl 4,4'-dichlorobenzilate
 CAS 000510-15-6
 Index 607-159-00-0
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 208-110-2

2-chlorobenzonitrile

CAS 000873-32-5
 Index 608-013-00-9
 Class'n Xn: R21/22 Xi: R36
 Label Xn
 R21/22, 36
 S(2), 23
 212-836-5

S-4-chlorobenzyl-diethylthiocarbamate
thiobencarb

CAS 028249-77-6
 Index 006-063-00-0
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 248-924-5

7-chlorobicyclo(3.2.0)hepta-2,6-dien-6-yl dimethyl
phosphate

heptenophos (ISO)
 CAS 023560-59-0
 Index 015-126-00-1
 Class'n T: R25
 Label T
 R25
 S(1/2), 23, 28, 37, 45
 245-737-0

2-chloro-4,6-bis(isopropylamino)- 1,3,5-triazine
propazine

CAS 000139-40-2
 Index 613-067-00-1
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R40, 50/53
 S(2), 36/37, 60, 61
 205-359-9

2-chlorobuta- 1,3-diene Note D

chloroprene

CAS 000126-99-8
 Index 602-036-00-8
 Class'n F: R11 Xn: R20/22 Xi: R36
 Label F, Xn
 R11, 20/22, 36
 S(2), 16
 204-818-0

1-chlorobutane

butyl chloride

CAS 000109-69-3
 Index 602-059-00-3
 Class'n F: R11
 Label F
 R11
 S(2), 9, 16, 29
 203-696-6

• **4-chlorobutyl vertrate**

CAS 069788-75-6
 Index 607-342-00-5
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61
 410-950-1

• **4-chloro-o-cresol**

4-chloro-2-methylphenol

CAS 001570-64-5
 Index 604-012-00-2
 Class'n T: R23 C: R35 N: R50
 Label T, C, N
 R23, 35, 50
 S(1/2), 26, 36/37/39, 45, 61
 216-381-3
 Conc Conc >= 25% T: C: R23, 35
 Conc >= 10% and < 25% C: R20, 35
 Conc >= 5% and < 10% C: R20, 34
 Conc >= 3% and < 5% Xn: R20, 36/37/38
 Conc >= 1% and < 3% Xi: R36/37/38

4-chloro-m-cresol

chlorocresol

4-chloro-3-methylphenol

CAS 000059-50-7
 Index 604-014-00-3
 Class'n Xn: R21/22 Xi: R41 R43 N: R50
 Label Xn, N
 R21/22, 41, 43, 50
 S(2), 26, 36/37/39, 61
 200-431 -6
 Conc Conc >= 10% Xn: R21/22, 41, 43
 Conc >= 5% and < 10% Xn: R21/22, 36, 43
 Conc >= 1% and < 5% Xi: R43

chlorocresol

4-chloro-m-cresol

4-chloro-3-methylphenol

CAS 000059-50-7
 Index 604-014-00-3
 Class'n Xn: R21/22 Xi: R41 R43 N: R50
 Label Xn, N
 R21/22, 41, 43, 50
 S(2), 26, 36/37/39, 61
 200-431-6
 Conc Conc >= 10% Xn: R21/22, 41, 43
 Conc >= 5% and < 10% Xn: R21/22, 36, 43
 Conc >= 1% and < 5% Xi: R43

4-chloro-o-cresol

4-chloro-2-methylphenol

CAS 001570-64-5
 Index 604-050-00-X
 Class'n T: R23 C: R35 N: R50
 Label T, C, N
 R23, 35, 50
 S(1/2), 26, 36/37/39, 45, 61
 216-381-3
 Conc Conc >= 25% T: C: R23, 35
 Conc >= 10% and < 25% C: R20, 35
 Conc >= 5% and < 10% C: R20, 34
 Conc >= 3% and < 5% Xn: R20, 36/37/38
 Conc >= 1% and < 3% Xi: R36/37/38

3-chloro-6-cyano-bicyclo(2,2,1)heptan-2-one-O-(N-methylcarbamoyl)oxime

3-chloro-6-cyano-bicyclo(2,2,1)heptan-2-one-O-(N-methylcarbamoyl)oxime

triamid
 CAS 015271-41-7
 Index 006-065-00-1
 Class'n T+: R28 T: R24 N: R51, 53
 Label T+, N
 R24, 28, 51/53
 S(1/2), 28, 36/37, 45, 61

3-chloro-6-cyano-bicyclo(2,2,1)heptan-2-one-O-(N-methylcarbamoyl)oxime

3-chloro-6-cyano-bicyclo(2,2,1)heptan-2-one-O-(N-methylcarbamoyl)oxime

triamid
 CAS 015271-41-7
 Index 006-065-00-1
 Class'n T+: R28 T: R24 N: R51, 53
 Label T+, N
 R24, 28, 51/53
 S(1/2), 28, 36/37, 45, 61

2'-(4-chloro-3-cyano-5-formyl-2-thienylazo)-5'-diethylamino-2-methoxyacetanilide

CAS 122371-93-1
 Index 616-045-00-X
 Class'n R43 R53
 Label Xi
 R43, 53
 S(2), 22, 24, 37, 61
 405-190-2

7-chloro-1-cyclopropyl-6-fluoro-1,4-dihydro-4-

oxoquinoline-3-carboxylic acid

CAS 086393-33-1
 Index 607-262-00-0
 Class'n Xn: R22 R52,53
 Label Xn
 R22, 52/53
 S(2), 22, 61
 405-050-0

2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate

chlorfenvinphos (ISO)

CAS 000470-90-6
 Index 015-071-00-3
 Class'n T+: R28 T: R24 N: R50, 53
 Label T+,N
 R24, 28, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 207-432-0

2-chloro-N-(4,6-dichloro-1,3,5-triazin-2-yl)aniline

anilazine (ISO)

CAS 000101-05-3
 Index 613-053-00-5
 Class'n Xi: R36/38 N: R50, 53
 Label Xi, N
 R36/38, 50/53
 S(2), 22, 60, 61
 202-910-5

● **N-(5-chloro-3-((4-(diethylamino)-2-methylphenyl)imino-4-methyl-6-oxo-1,4-cyclohexadien-1-yl)benzamide**

CAS 129604-78-0
 Index 616-082-00-1
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 413-200-1

■ **2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate phosphamidon**

CAS 013171-21-6
 Index 015-022-00-6
 Class'n T+: R28 T: R24 Muta Cat 3: R68 N: R50, 53
 Label T+,N
 R24, 28, 50/53, 68
 S(1/2), 23, 36/37, 45, 60, 61
 236-116-5

● **1-chloro-N,N-diethyl-1,1-diphenyl-1-(phenylmethyl)**

phosphoramine

CAS 082857-68-9
 Index 015-174-00-3
 Class'n T: R25 Xi: R41 N: R51, 53
 Label T, N
 R25, 41, 51/53
 S(1/2), 26, 37/39, 41, 45, 61
 411-370-1

■ **2-chloro-2',6'-diethyl-N-(methoxpethyl)acetanilide**

alachlor (ISO)

CAS 015972-60-8
 Index 616-015-00-6
 Class'n Carc Cat 3: R40 Xn: R22 R43 N: R50, 53
 Label Xn,N
 R22, 40, 43, 50/53
 S(2), 36/37/39, 60, 61
 240-110-8

■ **6-chloro-N,N'-diethyl-1,3,5-triazine-2,4-diamine**

simazine (ISO)

CAS 000122-34-9
 Index 612-088-00-3
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn,N
 R40, 50/53
 S(2), 36/37, 46, 60, 61
 204-535-2

2-chloro-4,5-difluorobenzoic acid

Index 602-081-00-3
 Class'n Xn: R21/22 Xi: R41 R43
 Label Xn
 R21/22, 41, 43
 S(2), 26, 36/37/39
 405-380-5

● **3-chloro-2,4-difluoronitrobenzene**

CAS 003847-58-3
 Index 609-057-00-1
 Class'n Xn: R22 C: R34 R43 N: R50, 53
 Label C, N
 R22, 34, 43, 50/53
 S(1/2), 22, 26, 28, 36/37/39, 45, 60, 61
 411-980-8

5-chloro-2,3-difluoropyridine

CAS 089402-43-7
 Index 613-155-00-X
 Class'n R10 Xn: R22 R52, 53
 Label Xn
 R10, 22, 52/53
 S(2), 23, 36, 61,
 410-090-7

● **5-chloro -1,3-dihydro-2H-indol-2-one**

CAS 017630-75-0
 Index 613-172-00-2
 Class'n Repr Cat 3: R62 Xn: R22 R43 R52, 53
 Label Xn
 R22, 43, 62, 52/53
 S(2), 22, 36/37, 61
 412-200-9

4-chloro-2,3-dihydro-2-oxo-1,3-benzothiazol-3-ylacetic acid

benazolin (ISO)

CAS 003813-05-6
 Index 607-153-00-8
 Class'n Xi: R36/38 R52, 53
 Label Xi
 R36/38, 52/53
 S(2), 22, 61
 223-297-0



- 4-chloro-3',4'-dimethoxybenzophenone

CAS 116412-83-0
 Index 606-056-00-8
 Class'n N: R50, 53
 Label N
 R50/53
 S60,61
 404-610-1

- (R)- 1-chloro-2,3-epoxypropane

CAS 051594-55-9
 Index 603-166-00-8
 Class'n R10 Carc Cat 2: R45 T: R23/24/25 C: R34
 R43
 Label T
 R45,10,23/24/25,34,43
 S53,45
 424-280-2

chlorodimethyl ether Note E

chlormethyl methyl ether
 CAS 000107-30-2
 Index 603-075-00-3
 Class'n F: R11 Carc Cat 1: R45 Xn: R20/21/22
 Label F, T
 R45,11,20/21/22
 S53,45
 203-480-1

chloroethane

CAS 000075-00-3
 Index 602-009-00-0
 Class'n F+: R12 Carc Cat 3: R40 R52, 53
 Label F+, Xn
 R12,40,52/53
 S(2),9,16,33,36/37,61
 200-830-5

- 4-chloro-3,s-dimethylphenol

CAS 000088-04-0
 Index 604-038-00-4 (see Part III)
 Class'n Xn: R22 Xi: R36/38 R43
 Label Xn
 R22,36/38,43
 S(2),24,37
 201-793-8

2-chloroethanol

ethylene chlorohydrin
 CAS 000107-07-3
 Index 603-028-00-7
 Class'n T+: R26/27/28
 Label T+
 R26/27/28
 S(1/2),719,28,45
 203-459-7
 Conc Conc >= 7% T+: R26/27/28
 Conc >= 1% and < 7% T: R23/24/25
 Conc >= 0.1% and < 1% Xn: R20/21/22

2-chloro-N-(2,6-dimethylphenyl)-N-(2-methoxyethyl)
 acetamide
 dimethachlor

CAS 050563-36-5
 Index 616-031-00-3
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22,43,50/53
 S(2),24,37,60,61
 256-625-6

2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)
 acetamide
 acetochlor

CAS 034256-82-1
 Index 616-037-00-6
 Class'n Xn: R20 Xi: R37/38 R43 N: R50,53
 Label Xn, N
 R20,37/38,43,50/53
 S(2),36/37,60,61
 251-899-3

chlorodinitrobenzene Note C

Index 610-003-00-4
 Class'n T: R23/24/25 R33 N: R50, 53
 Label T, N
 R23/24/25,33,50/53
 S(1/2)q28,36/37,45,60,61

1-[2-(2-chloroethoxy)phenylsulfonyl]-3-(4-methoxy-6-
 methyl-1,3,5-triazin-2-yl)urea

triasulfuron
 CAS 082097-50-5
 Index 650-041-00-9
 Class'n N: R50, 53
 Label N
 R50153
 S60,61

1-chloro-2,3-epoxypropane Note E

epichlorhydrin
 CAS 000106-89-8
 index 603-026-00-6
 Class'n R10 Carc Cat 2: R45 T: R23/24/25 C: R34
 R43
 Label T
 R45,10,23/24/25,34,43
 S53,45
 203-439-8
 Conc Conc >= 10% T: R45,23/24/25,34,43
 Conc >= 5% and < 10% T: R45,23/24/25,36/38,
 43
 Conc >= 1% and < 5% T: R45,23/24/25,43
 Conc >= 0.1% and < 1% Xn: R20/21/22

2-chloro-4-ethylamine-6-isopropylamine-1,3,S-triazine

atrazine(ISO)
 CAS 001912-24-9
 Index 613-068-00-7
 Class'n Xn: R48/22 R43 N: R50, 53
 Label Xn, N
 R43,48/22,50/53
 (2),36/37,60,61
 217-617-8

- 2-chloro-6-(ethylamino)-4-nitrophenol

CAS 131657-78-8
 Index 609-059-00-2
 Class'n Xn: R22 R43 N: R51, 53
 Label Xn, N
 R22, 43, 51/53
 S(2), 22, 24, 37/39, 61
 411-440-1

2-(4-chloro-6-ethylamino-1,3,5-triazine-2-ylamino)-2-methylpropionitrile
 cyanazine(ISO)

CAS 021725-46-2
 Index 613-013-00-7
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 37, 60, 61
 244-544-9

mixture of
 2-chloroethyl chloropropyl 2-chloroethylphosphonate,
 mixture of isomers

and
 2-chloroethyl chloropropyl 2-chloropropylphosphonate, mixture of isomers

Index 015-143-00-4 (see Part III)
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 401-740-0

mixture of
 2-chloroethyl chloropropyl 2-chloropropylphosphonate, mixture of isomers

and
 2-chloroethyl chloropropyl 2-chloroethylphosphonate,
 mixture of isomers

Index 015-143-00-4 (see Part III)
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 401-740-0

chloroethylene Note D

vinyl chloride

CAS 000075-01-4
 Index 602-023-00-7
 Class'n F+: R12 Carc Cat 1: R45
 Label F+, T
 R45, 12
 S53, 45
 200-831-0

6-(2-chloroethyl)-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane Note E

etacelasil

CAS 037894-46-5
 Index 014-014-00-X
 Class'n Repr Cat 2: R61 Xn: R22, 48/22
 Label T
 R61, 22, 48/22
 S53, 45
 253-704-7

2-chloroethylphosphonic acid

ethephon

CAS 016672-87-0
 Index 015-154-00-4
 Class'n Xn: R20/21 C: R34 R52, 53
 Label C
 R20/21, 34, 52/53
 S(1/2), 26, 28, 36/37/39, 45, 61
 240-718-3
 Conc Conc >= 25% C: R20/21, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

2-chloroethyltrimethylammonium chloride

chlormequat chloride(ISO)

CAS 000999-81-5
 Index 007-003-00-6
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2), 36/37
 213-666-4

N-(2-chloro-6-fluorobenzyl)-N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine

flumetralin(ISO)

CAS 062924-70-3
 Index 612-144-00-7
 Class'n Xi: R36/38 R43 N: R50, 53
 Label Xi, N
 R36/38, 43, 50/53
 S(2), 36/37, 60, 61

- 1-((3-(3-chloro-4-fluorophenyl)propyl)dimethylsilyl)-4-ethoxybenzene

CAS 121626-74-2
 Index 014-024-00-4
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 412-620-2

chloroform

trichloromethane

CAS 000067-66-3
 Index 602-006-00-4
 Class'n Xn: R22, 48/20/22 Xi: R38 Carc Cat 3: R40
 Label Xn
 R22, 38, 40, 48/20/22
 S(2), 36/37
 200-663-8
 Conc Conc >= 20% Xn: R22, 38, 40, 48/20/22
 Conc >= 5% and < 20% Xn: R22, 40, 48/20/22
 Conc >= 1% and < 5% Xn: R40

chloroformic acid butyl ester

butylchloroformate

CAS 000592-34-7
 Index 607-138-00-6
 Class'n R10 T: R23 C: R34
 Label T
 R10, 23, 34
 S(1/2), 26, 36, 45
 209-750-5

chloroformic acid propylester

propyl chloroformate
n-propylchloroformate
CAS 000109-61-5
Index 607-142-00-8
Class'n R10 T: R23 C: R34
Label T
R10, 23, 34
S(1/2), 26, 36, 45
203-687-7

■ 2-chloro-N-isopropylacetanilide

propachlor (ISO)
a-chloro-N-isopropylacetanilide
CAS 001918-16-7
Index 616-008-00-8
Class'n Xn: R22 Xi: R36 R43 N: R50,53
Label Xn, N
R22, 36, 43, 50/53
S(2), 24, 37, 60, 61
217-638-2

■ a-chloro-N-isopropylacetanilide

propachlor (ISO)
2-chloro-N-isopropylacetanilide
CAS 001918-16-7
Index 616-008-00-8
Class'n Xn: R22 Xi: R36 R43 N: R50,53
Label Xn, N
R22, 36, 43, 50/53
S(2), 24, 37, 60, 61
217-638-2

O-(5-chloro-1-isopropyl-1,2,4-triazol-3-yl)O,O-diethyl phosphorothioate

isazofos
CAS 042509-80-8
Index 015-153-00-9
Class'n T+: R26 T: R24/25 Xn: R48/20 R43 N: R50,53
Label T+, N
R24/25, 26, 43, 48/20, 50/53
S(1/2), 28, 36/37, 38, 45, 59, 61
255-863-8

chloromethane

methylchloride
CAS 000074-87-3
Index 602-001-00-7
Class'n F+: R12 Carc Cat 3: R40 Xn: R48/20
Label F+, Xn
R12, 40, 48/20
S(2), 9, 16, 33
200-817-4

2-chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulphonamide

chlorsulfuron
CAS 064902-72-3
Index 613-121-00-4
Class'n N: R50,53
Label N
R50/53
S60,61
265-268-5

3-(3-chloro-4-methoxyphenyl)-1,1-dimethylurea

metoxuron (ISO)
CAS 019937-59-8
Index 006-033-00-7
Class'n N: R50,53
Label N
R50/53
S60,61
243-433-2

(chloromethyl)bis(4-fluorophenyl)methylsilane

CAS 085491-26-5
Index 014-008-00-7
Class'n N: R51,53
Label N
R51/53
S61
401-200-4

O-3-chloro-4-methylcoumarin-7-yl O,O-diethyl phosphorothioate

coumaphos (ISO)
CAS 000056-72-4
Index 015-038-00-3
Class'n T+: R28 Xn: R21 N: R50,53
Label T+, N
R21, 28, 50/53
S(1/2), 28, 36/37, 45, 60, 61
200-285-3

S-chloromethyl O,O-diethyl phosphorodithioate

chlormephos (ISO)
CAS 024934-91-6
Index 015-114-00-6
Class'n T+: R27/28
Label T+
R27/28
S(1/2), 28, 36/37, 45
246-538-1

● 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] {3 parts of} and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] {1 part of}; mixture of

5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] {3 parts of} and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] {1 part of}; mixture of

CAS 055965-84-9
Index 613-167-00-5
Class'n T: R23/24/25 C: R34 R43 N: R50,53
Label T, N
R23/24/25, 34, 43, 50/53
S(2), 26, 28, 36/37/39, 45, 60, 61
Conc Conc >= 25% T: R23/24/25, 34, 43
Conc >= 3% and < 25% C: R20/21/22, 34, 43
Conc >= 0.6% and < 3% C: R34, 43
Conc >= 0.06% and < 0.6% Xi: R36/38, 43
Conc >= 0.0015% & < 0.06% Xi: R43

1 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-71 { 3 parts of) and 2-methyl-2H-isothiazol-3-one [EC No 220-239-61 { 1 part of); mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-71 { 3 parts of) and 2-methyl-4-isothiazolin-3-one [EC No 220-239-61 { 1 part of); mixture of

CAS 055965-84-9

Index 613-167-00-5

Class'n T: R23/24/25 C: R34 R43 N: R50,53

Label T, N
R23/24/25,34,43,50/53
S(2) 26,28,36/37/39,45,60,61

Conc Conc >= 25% T: R23/24/25,34,43
Conc >= 3% and < 25% C: R20/21/22,34,43
Conc >= 0.6% and < 3% C: R34,43
Conc >= 0.06% and < 0.6% Xi: R36/38,43
Conc >= 0.0015% I3 < 0.06% Xi: R43

• 4-chloro-2-methylphenol

4-chloro-o-cresol

CAS 001570-64-5

Index 604-012-00-2

Class'n T: R23 C: R35 N: R50

Label T, C, N
R23,35,50
S(1/2),26,36/37/39,45,61
216-381-3

Conc Conc >= 25% T: C: R23, 35
Conc >= 10% and < 25% C: R20, 35
Conc >= 5% and < 10% C: R20;34
Conc >= 3% and < 5% Xn: R20, 36/37/38
Conc >= 1% and < 3% Xi: R36/37/38

4-chloro-3-methylphenol

chlorocresol

4-chloro-m-cresol

CAS 000059-50-7

Index 604-014-00-3

Class'n Xn: R21/22 Xi: R41 R43 N: R50

Label Xn, N
R21/22,41,43,50
S(2),26,36/37/39,61
200-431-6

Conc Conc >= 10% Xn: R21/22,41,43
Conc >= 5% and < 10% Xn: R21/22,36,43
Conc >= 1% and < 5% Xi: R43

4-chloro-2-methyl phenol

4-chloro-o-cresol

CAS 001570-64-5

Index 604-050-00-X

Class'n T: R23 C: R35 N: R50

Label T, C, N
R23,35,50
S(1/2), 26, 36/37/39,45, 61
216-381-3

Conc Conc >= 25% T: C: R23; 35
Conc >= 10% and < 25% C: R20,35
Conc >= 5% and < 10% C: R20,34
Conc >= 3% and < 5% Xn: R20, 36/37/38
Conc >= 1% and < 3% Xi: R36/37/38

3-chloro-2-methylpropene

CAS 000563-47-3

Index 602-032-00-6

Class'n F: R11 Xn: R20/22 C: R34 R43 N: R51,53

Label F, C, N
R11,20/22,34,43,51/53
S(2), 9, 16,26, 29, 36/37/39,45, 61
209-251-2

N-(2-(6-chloro-7-methylpyrazolo(1,s-b)- 1,2,4-triazol-4-yl) propyl)-2-(2,4-di-tert-pentylphenoxy) octanamide

Index 616-046-00-5

Class'n N: R50, 53

Label N
R50/53
S60,61
406-390-2

2-chloro-6-methylpyrimidin-4-yl dimethylamine
crimidine (ISO)

CAS 000535-89-7

Index 613-004-00-8

Class'n T+: R28

Label T+
R28
S(1/2), 36/37,45
208-622-6

2-chloro-4-(methylsulfonyl)benzoic acid

CAS 053250-83-2

Index 607-264-00-1

Class'n XiR41

Label Xi
R 41
S(2), 26, 39
406-520-8

2-chloro-4-nitroaniline

CAS 000121-87-9

Index 610-009-00-7

Class'n Xn: R22 N: R51, 53

Label Xn, N
R22,51/53
S(2), 22, 24, 61
204-502-2

chloronitroanilines with the exception of those specified elsewhere in the Approved Supply List Note C

Index 610-006-00-0

Class'n T+: R26/27/28 R33 N: R51,53

Label T+, N
R26/27/28,33,51/53
S(1/2). 28, 36/37,45,61

1 -chloro-4-nitrobenzene

CAS 000100-00-5

Index 610-005-00-5

Class'n T: R23/24/25 R33 N: R51,53

Label T, N
R23/24/25,33,51/53
S(1/2),28,36/37,45,61
202-809-6

2-chloro-6-nitro-3-phenoxyaniline

CAS 074070-46-5
 Index 612-120-00-6
 Class'n N: R50, 53
 Label N
 R50/53
 S60,61
 277-704-1

S-(6-chloro-2-oxobenoxazolin-3-ylmethyl) OO-diethyl phosphorodithioate

phosalone
 CAS 002310-17-0
 Index 015-067-00-1
 Class'n T: R25 Xn: R21 N: R50, 53
 Label T,N
 R21, 25, 50/53
 S(1/2), 36/37, 45, 60, 61
 218-996-2

● **2-[(4-chloro-2-nitrophenyl)amino]ethanol**

CAS 059320-13-7
 Index 609-063-00-4
 Class'n Xn: R22 N: R51, 53
 Label Xn,N
 R22,51/53
 S(2), 22,61
 413-280-8

3-chloro-4,5,6,6-tetrafluorotoluene

CAS 077227-99-7
 Index 602-070-00-3
 Class'n R10 Xn: R20/22 N: R50, 58
 Label Xn,N
 R10, 20/22, 50, 58
 S(2), 51, 60,61
 401-930-3

O-(3-chloro-4-nitrophenyl) O,O-dimethyl phosphorothioate chlorthion (common name not adopted by ISO)

CAS 000500-28-7
 Index 015-042-00-5
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(21, 13)
 207-902-5

1-chloropentane Note C

CAS 000543-59-9
 Index 602-022-00-1 (see Part III)
 Class'n F: R11 Xn: R20/21/22
 Label F, Xn
 R11,20/21/22
 S(2), 9, 29
 208-846-4
 Conc Conc >= 25% Xn: R20/21/22

O-4-chloro-3-nitrophenyl O,O-dimethyl phosphorothioate phosnichlor

CAS 005826-76-6
 Index 015-043-00-0
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2),13

3-chloropentane Note C

CAS 000616-20-6
 Index 602-022-00-1 (see Part III).
 Class'n F: R11 Xn: R20/21/22
 Label F,Xn
 R11, 20/21/22
 S(2), 9, 29
 210-467-4
 Conc Conc >= 25% Xn: R20/21/22

mixture of

3,3'-(2-chloro-5-nitro-1,4-phenylenediimino)bis
 (propan-1,2-diol)

and

3-[(4-amino-2-chloro-5-nitrophenyl)amino]-propane-1,
 2-diol

Index 603-133-00-8 (see Part III)
 Class'n Xn:R22 R52, 53
 Label Xn
 R22, 52/53
 S(2), 22, 36, 61
 408-240-1

2-chloropentane Note C

CAS 000625-29-6
 Index 602-022-00-1 (see Part III)
 Class'n F: R11 Xn: R20/21/22
 Label F,Xn
 R11, 20/21/22
 S(2), 9, 29
 210-885-7
 Conc Conc >= 25% Xn: R20/21/22

1-chloro-1-nitropropane

CAS 000600-25-9
 Index 610-007-00-6
 Class'n Xn:R20/22
 Label Xn
 R20/22
 S(2)
 209-990-0
 Conc Conc >= 5% Xn: R20/22

chlorophacinone (ISO)

2-(2-(4-chlorophenyl)phenylacetyl)indan-1,3-dione
 CAS 003691-35-8
 Index 606-014-00-9
 Class'n T+: R27/28 T: R23, 48/24/25 N: R50, 53
 Label T+,N
 R23, 27/28, 48/24/25, 50/53
 S(1/2), 36/37, 45, 60,61
 223-003-0

2-chlorophenol Note C

CAS 000095-57-8
 Index 604-008-00-0 (see Part III)
 Class'n Xn: R20/21/22 N: R51,53
 Label Xn,N
 R20/21/22,51/53
 S(2), 28,61
 202-433-2

4-chlorophenol Note C

CAS 000106-48-9
 Index 604-008-00-0 (see Part III)
 Class'n Xn: R20/21/22 N: R51,53
 Label Xn,N
 R20/21/22,51/53
 S(2),28,61
 203-402-6

3-chlorophenol Note C

CAS 000108-43-0
 Index 604-008-00-0 (see Part III)
 Class'n Xn: R20/21/22 N: R51,53
 Label Xn,N
 R20/21/22,51/53
 S(2),28,61
 203-582-6

chlorophenol Note C

CAS 025167-80-0
 Index 604-008-00-0 (see Part III)
 Class'n Xn: R20/21/22 N: R51, 53
 Label Xn, N
 R20/21/22,51/53
 S(2),28,61
 246-691-4

1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)

butanone
 triadimefon (ISO)
 CAS 043121-43-3
 Index 606-037-00-4
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22,51/53
 S(2),61
 256-103-8

O-4-(4-chlorophenylazo)phenylO,O-dimethyl
phosphorothioate
azotboate

CAS 005834-96-8
 Index 015-082-00-3
 Class'n Xn: R20/22
 Label Xn
 R20/22
 S(2), 13
 227-419-3

4-chlorophenyl benzenesulphonate

fenson
 CAS 000080-38-6
 Index 650-003-00-1
 Class'n Xn: R22 Xi: R36 N: R51, 53
 Label Xn, N
 R22,36,51/53
 S(2),24,2661
 201-274-6

4-chlorophenyl4-chlorobenzenesulfonate
chlorfenson(ISO)

CAS 000080-33-1
 Index 607-156-00-4
 Class'n Xn: R22 Xi: R38 N: R50, 53
 Label Xn, N
 R22,38,50/53
 S(2),37,60,61
 201-270-4

(chlorophenyl)(chlorotolyl) methane, mixed isomers

Index 607-204-00-4
 Class'n N: R50, 53
 Label N
 R50/53
 S60,61
 400-140-6

• 4-chlorophenyl cyclopropyl ketone O-(4-aminobenzyl)
oxime

Index 612-170-00-9
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn,N
 R22,43,50/53
 S(2), 24, 37, 60, 61
 405-260-2

• (E,Z)-4-chlorophenyl(cyclopropyl)ketone O-(4-
nitrophenylmethyl) oxime

CAS 094097-88-8
 Index 609-061-00-3
 Class'n R43 N: R50, 53
 Label Xi, N
 R43,50/53
 S(2),24,37,60,61
 406-100-4

• mixture of
N-(4-chlorophenyl)-4-(2,5-dichloro-4-
(dimethyl sulfamoyl)phenylazo)-3-hydroxy-2-
naphthalenecarboxamideand
N-(4-chlorophenyl)4(2,5-dichloro-4-
(methylsulfamoyl)phenylazo)-3-hydroxy-2-
naphthalenecarboxamide

Index 611-084-00-9 (See Part III)
 Class'n R53
 Label R53
 S61
 412-550-2

- mixture of

N-(4-chlorophenyl)-4-(2,5-dichloro-4-(methylsulfamoyl)phenylazo)-3-hydroxy-2-naphthalenecarboxamide

and

N-(4-chlorophenyl)-4-(2,5-dichloro-4-(dimethylsulfamoyl)phenylazo)-3-hydroxy-2-naphthalenecarboxamide

Index 611-084-00-9 (see Part III)

Class'n R53

Label R53

S61

412-550-2

4-(3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)acryloyl) morpholine

CAS 110488-70-5

Index 613-102-00-0

Class'n N: R51, 53

Label N

R51/53

S61

404-200-2

3-(4-chlorophenyl)-1,1-dimethylurea monuron(ISO)

CAS 000150-68-5.

Index 006-042-00-6

Class'n Carc Cat 3: R40 Xn: R22 N: R50, 53

Label Xn,N

R22, 40, 50/53

S(2), 36/37, 60, 61

205-766-1

3-(4-chlorophenyl)-1,1-dimethyluronium trichloroacetate monuron-TCA

CAS 000140-41-0

Index 006-043-00-1

Class'n Xi: R36/38 Carc Cat 3: R40 N: R50, 53

Label Xn,N

R36/38, 40, 50/53

S(2), 36/37, 60, 61

4-(2-chlorophenylhydono)-3-methyl-5-isoxazolone drazoxolon (ISO)

CAS 005707-69-7

Index 650-008-00-9

Class'n T: R25 N: R50, 53

Label T, N

R25, 50/53

S(1/2), 22, 24, 36/37, 45, 60, 61

227-197-8

3-(4-chlorophenyl)-1-methoxy-1-methylurea monolinuron (ISO)

CAS 001746-81-2

Index 006-032-00-1

Class'n Xn: R22, 48/22 N: R50, 53

Label Xn,N

R22, 48/22, 50/53

S(2), 22, 60, 61

217-129-5

- (3-chlorophenyl)-(4-methoxy-3-nitrophenyl)methanone

CAS 066938-41-8

Index 606-061 -00-5

Class'n Muta Cat 3: R68 N: R50, 53

Label Xn,N

R68, 50/53

S(2), 22, 36/37, 60, 61

423-290-4

3-[1-(4-chlorophenyl)-3-oxobutyl]-4-hydroxycoumarin coumachlor (ISO)

CAS 000081-82-3

Index 607-057-00-6

Class'n Xn: R48/22 R52, 53

Label Xn

R48/22, 52/53

S(2), 37, 61

201-378-1

2-(2-(4-chlorophenyl)phenylacetyl)indan-1,3-dione chlorophacinone (ISO)

CAS 003691-35-8

Index 606-014-00-9

Class'n T+: R27/28 T: R23, 48/24/25 N: R50, 53

Label T+,N

R23, 27/28, 48/24/25, 50/53

S(1/2), 36/37, 45, 60, 61

223-003-0

4-(4-chlorophenyl)-2-phenyl-2-[(1H-1,2,4-triazol-1-yl)methyl]butanenitrile

CAS 114369-43-6

Index 608-023-00-3

Class'n N: R50, 53

Label N

R50/53

S60,61

406-140-2

2-(4-(3-(4-chlorophenyl)-2-pyrazolin-1-yl)phenylsulfonyl) ethyldimethylammonium formate

Index 613-083-00-9

Class'n C: R34 Xn: R48/22 R43 N: R50, 53

Label C,N

R34, 43, 48/22, 50/53

S(1/2), 24, 26, 28, 37/39, 45, 60, 61

402-120-2

- O-(6-chloro-3-phenylpyridazin-4-yl) S-octylthiocarbonate pyridate (ISO)

CAS 055512-33-9

Index 607-232-00-7

Class'n Xi: R38 R43 N: R50, 53

Label Xi,N

R38, 43, 50/53

S(2), 24, 37, 60, 61

259-686-7

N-(3-chlorophenyl)-N-(tetrahydro-2-oxo-3-furyl)

cyclopropanecarboxamide

cyprofuram

CAS 069581-33-5
Index 616-033-00-4Class'n T: R25 Xn: R21 N: R50,53
Label T, NR21,25,50/53
S(1/2),36/37,60,61
274-050-94-chlorophenylthiomethyl O,O-diethylphosphorodithioate
carbophenothion(ISO)CAS 000786-19-6
Index 015-044-00-6Class'n T: R24125 N: R50, 53
Label T, NR24125,50153
S(1/2),28,36/37,45,60,61
212-324-1S-(chlorophenylthiomethyl)O,O-
dimethylphosphorodithioate
methylcarbophenothioneCAS 000953-17-3
Index 015-132-00-4Class'n T: R24/25
Label TR24/25
S(1/2),28,36/37,452-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)
hexanenitrile

myclobutanil (ISO)

CAS 088671-89-0
Index 613-134-00-5Class'n Repr Cat 3: R63 Xn: R22 Xi: R36 N: R51,53
Label Xn, NR22,36,51/53,63
S(2),36/37,46,612-chloro-1-phthalimidoethyl O,O-diethyl
phosphorodithioate
dialifos (ISO)CAS 010311-84-9
Index 015-088-00-6

Class'n T+: R28 T: R24 N: R50, 53

Label T+, N
R24,28,50153
S(1/2),28,36/37,45,60,61
233-689-3

chloropicrin

trichloronitromethane

CAS 000076-06-2
Index 610-001-00-3

Class'n Xn: R22 T+: R26 Xi: R36/37/38

Label T+
R22,26,36137/38
S(1/2),36/37,38,45
200-930-9

chloroprene Note D

2-chlorobuta-1,3-diene

CAS 000126-99-8

Index 602-036-00-8

Class'n F: R11 Xn: R20122 Xi: R36

Label F, Xn
R11,20/22,36
S(2),16
204-818-0

2-chloropropane Note C

1-chloropropane

CAS 000075-29-6

Index 602-018-00-X

Class'n F: R11 Xn: R20/21/22

Label F, Xn
R11,20/21/22
S(2),9,29
200-858-8

Conc Conc >= 25% Xn: R20/21/22

1-chloropropane Note C

2-chloropropane

CAS 000540-54-5

Index 602-018-00-X

Class'n F: R11 Xn: R20/21/22

Label F, Xn
R11,20/21/22
S(2),9,29
208-749-7

Conc Conc >= 25% Xn: R20/21/22

3-chloropropene Note D

allyl chloride

CAS 000107-05-1

Index 602-029-00-X

Class'n F: R11 T+: R26 N: R50

Label F, T+, N
R11,26,50
S(1/2),16,29,33,45,61
203-457-6

• (S)-2-chloropropionic acid

CAS 029617-66-1

Index 607-325-00-2

Class'n Xn: R21122 C: R35

Label C
R21/22,35
S(1/2),23,26,28,36/37/39,45
411-150-5

2-chloropropionic acid

CAS 000598-78-7

Index 607-139-00-1

Class'n Xn: R22 C: R35

Label C
R22,35
S(1/2),23,26,28,36,45
209-952-3

- 2-chloro-5-sec-tetradecylhydroquinones where sec-tetradecyl=1-methyltridecyl, 1-ethyl-dodecyl, 1-propylundecyl, 1-butyldecyl, 1-pentyl-nonyl, 1-hexyloctyl; mixture of

Index 604-061-00-X
 Class'n Xi: R38 R43 R52, 53
 Label Xi
 R38, 43, 52/53
 S(2), 24, 37, 61
 407-740-7

chlorosulphonic acid

CAS 007790-94-5
 Index 016-017-00-1
 Class'n R14 C: R35 Xi: R37
 Label C
 R14, 35, 37
 S(1/2), 26, 45
 232-234-6

chlorothalonil (ISO)

tetrachloroisophthalonitrile
 CAS 001897-45-6
 Index 608-014-00-4
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R40, 50/53
 S(2), 36/37, 60, 61
 217-588-1

■ a-chlorotoluene Note E

benzylchloride
 CAS 00010044-7
 Index 602-037-00-3
 Class'n Carc Cat 2: R45 T: R23 Xn: R22, 48/22 Xi: R37/38, 41
 Label T
 R45, 22, 23, 37/38, 41, 48/22
 S53, 45
 202-853-6

2-chlorotoluene Note C

CAS 000095-49-8
 Index 602-040-00-X (see Part III)
 Class'n Xn: R20 N: R51, 53
 Label Xn, N
 R20, 51/53
 S(2), 24/25, 61
 202-424-3

4-chlorotoluene Note C

CAS 000106-43-4
 Index 602-040-00-X (see Part III)
 Class'n Xn: R20 N: R51, 53
 Label Xn, N
 R20, 51/53
 S(2), 24/25, 61
 203-397-0

3-chlorotoluene Note C

CAS 000108-41-8
 Index 602-040-00-X (see Part III)
 Class'n Xn: R20 N: R51, 53
 Label Xn, N
 R20, 51/53
 S(2), 24/25, 61
 203-580-5

chlorotoluene Note C

CAS 025168-05-2
 Index 602-040-00-X (see Part III)
 Class'n Xn: R20 N: R51, 53
 Label Xn, N
 R20, 51/53
 S(2), 24/25, 61
 246-698-2

● 2-chloro-p-toluenesulfochloride

CAS 042413-03-6
 Index 016-077-00-9
 Class'n C: R34 R43 R52, 53
 Label C
 R34, 43, 52/53
 S(1/2), 23, 26, 36/37/39, 45, 61
 412-890-1

N2-(4-chloro-o-tolyl)-N1,N1-dimethylformamidine

chlordimeform (ISO)
 CAS 006164-98-3
 Index 650-007-00-3
 Class'n Carc Cat 3: R40 Xn: R21/22
 Label Xn
 R21/22, 40
 S(2), 22, 36/37
 228-200-5

N2-(4-chloro-o-tolyl)-N1,N1-dimethylformamidine hydrochloride

N'-(4-chloro-o-tolyl)-N,N-dimethylformamidine monohydrochloride
 chlordimeform hydrochloride
 CAS 019750-95-9
 Index 650-009-00-4
 Class'n Carc Cat 3: R40 Xn: R22 N: R50, 53
 Label Xn, N
 R22, 40, 50/53
 S(2), 22, 36/37, 60, 61
 243-269-1

N'-(4-chloro-o-tolyl)-N,N-dimethylformamidine monohydrochloride

N2-(4-chloro-o-tolyl)-N1,N1-dimethylformamidine hydrochloride
 chlordimeform hydrochloride
 CAS 019750-95-9
 Index 650-009-00-4
 Class'n Carc Cat 3: R40 Xn: R22 N: R50, 53
 Label Xn, N
 R22, 40, 50/53
 S(2), 22, 36/37, 60, 61
 243-269-1

4-chloro-o-toloxycetic acid

MCPA(ISO)
 CAS 000094-74-6
 Index 607-051-00-3
 Class'n Xn: R22 Xi: R38, 41
 Label Xn
 R22,38,41
 S(2)26,37,39
 202-360-6

4-(4-chloro-o-toloxo)butyric acid

MCPB (ISO)
 CAS 000094-81-5
 Index 607-053-00-4
 Class'n Xn: R22
 Label Xn
 R22
 S(2),24/25
 202365-3

2-(4-chloro-o-toloxo)propionic acid

mecoprop (ISO)
 CAS 000093-65-2
 Index 607-049-00-2
 Class'n Xn: R22 Xi: R38, 41
 Label Xn
 R22,38,41
 S(2),26,37,139
 202-264-4

2-chloro-6-trichloromethylpyridine

nitrapyrim (ISO)
 CAS 001929-82-4
 Index 006-057-00-8
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22,51/53
 S(2),24,61
 217-682-2

chlorotricyclohexylstannane

tetracyclohexylstannane
 butyltricyclohexylstannane
 CAS 003091-32-5
 Index 050-012-00-5
 Class'n Xn: R20/21/22 N: R50,53
 Label Xn, N
 R20/21/22,50/53
 S(2),26,28,60,61
 221-437-5
 Conc Note 1
 Conc >= 1 % Xn. R20/21/22

4-(2-chloro-4-trifluoromethyl)phenoxy-2-fluoroaniline
hydrochloride

Index 612-094-00-6
 Class'n T: R48/25 Xn: R22 Xi: R41 R43 N: R50,53
 Label T, N
 R22,41,43,48/25,50/53
 S(1/2),26,36/37/39,45,60,61
 402-190-4

5-[2-chloro-4-(trifluoromethyl)phenoxy]-N-(methylsulphonyl)-2-nitrobenzamide

fomesafen
 CAS 072178-02-0
 Index 604-040-00-5
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 276-439-9

5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoic acid

CAS 050594-66-6
 Index 604-041-00-0 (seePartIII)
 Class'n Xn: R22 Xi: R38, 41 N: R50, 53
 Label Xn, N
 R22,38,41,50/53
 S(2),24,39,60,61
 256-634-5

3-chloro-5-trifluoromethyl-2-pyridylamine

CAS 079456-26-1
 Index 613-076-00-0
 Class'n Xn: R22 R52, 53
 Label Xn
 R22,52/53
 S(2),61
 401-670-0

2-chloro-1,3,5-trinitrobenzene

CAS 000088-88-0
 Index 610-004-00-X
 Class'n E: R2 T+: R26/27/28 N: R50,53
 Label E, T+, N
 R2,26/27/28,50/53
 S(1/2),28,35.36/37,45,60,61
 201-864-3

chloroxlenol

CAS 001321-23-9
 Index 604-038-00-4 (seePartIII)
 Class'n Xn: R22 Xi: R36/38 R43
 Label Xn
 R22,36/38,43
 S(2),24,37
 215-316-6

chlorphonium chloride (ISO)

tributyl(2,4-dichlorobenzyl) phosphonium chloride
 CAS 000115-78-6
 Index 015-085-00-X
 Class'n T: R25 Xn: R21 Xi: R36/38
 Label T
 R21,25,36/38
 S(1/2),36/37/39,45
 204-105-4

chlorpyrifos (ISO)

O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate
 CAS 002921-88-2
 Index 015-084-00-4
 Class'n T: R24/25 N: R50, 53
 Label T,N
 R24/25, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 220-864-4

chlorsulfuron

2-chloro-N-[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulphonamide
 CAS 064902-72-3
 Index 613-121-00-4
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 265-268-5

chlorthiamid (ISO)

2,6-dichloro(thiobenzamide)
 CAS 001918-13-4
 Index 616-005-00-1
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 36
 217-637-7

chlorthion (common name not adopted by ISO)

O-(3-chloro-4-nitrophenyl) O,O-dimethyl phosphorothioate
 CAS 000500-28-7
 Index 015-042-00-5
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2), 13
 207-902 -5

chlorthiophos (ISO)

CAS 021923-23-9
 Index 015-115-00-1
 Class'n T+: R28 T: R24
 Label T+
 R24, 28
 S(1/2), 28, 36/37, 45
 244-663-6

● chlozolinate (ISO)

ethyl (RS)-3-(3,5-dichlorophenyl)-5-methyl-2,4-dioxo-oxazolidine-5-carboxylate
 CAS 084332-86-5
 Index 607-306-00-9
 Class'n Carc Cat 3: R40 N: R51, 53
 Label Xn, N
 R40, 51/53
 S(2), 36/37, 61
 282-714-4

2-(4-(3-(4-chlorophenyl)-4,5-dihydro-2H-pyridyl)phenylsulphonyl)ethyl dimethylammonium hydrogen phosphonate
 CAS 106359-93-7
 Index 613-084-00-4
 Class'n Xi: R36 N: R50, 53
 Label Xi,N
 R36, 50/53
 S(2), 26, 60, 61
 402-490-5

chromic chromate

dichromium tris(chromate)
 chromium III chromate
 CAS 024613-89-6
 Index 024-010-00-X
 Class'n O: R8 Carc Cat 2: R45 C: R35 R43 N: R50, S3
 Label O, T, C, N
 R45, 8, 35, 43, 50/53
 S53, 45, 60, 61
 246-356-2

chromic oxychloride Note E

chromyl chloride
 CAS 014977-61-8
 Index 024-005-00-2
 Class'n O: R8 Carc Cat 2: R49 Muta Cat 2: R46 C: R35 R43 N: R50, 53
 Label O, T, C, N
 R49, 46, 8, 35, 43, 50/53
 S53, 45, 60, 61
 239-056-8
 Conc Note 3
 Conc >= 10% T: C: R49, 46, 35, 43
 Conc >= 5% and < 10% T: R49, 46, 34, 43
 Conc >= 0.5% and < 5% T: R49, 46, 36/37/38, 43
 Conc >= 0.1% and < 0.5% T: R49, 46

Chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in the Approved Supply List Notes A and E

Index 024-017-00-8
 Class'n Carc Cat 2: R49 R43 N: R50, 53
 Label T,N
 R49, 43, 50/53
 S53, 45, 60, 61

chromium III chromate

dichromium tris(chromate)
 chromicchromate
 CAS 024613-89-6
 Index 024-010-00-X
 Class'n O: R8 Carc Cat 2: R45 C: R35 R43 N: R50, 53
 Label O, T, C, N
 R45, 8, 35, 43, 50/53
 S53, 45, 60, 61
 246-356-2

chromium trioxide Note E

CAS 001333-82-0
 Index 024-001-00-0
 Class'n O: R8 Carc Cat 1: R49 T: R25 C: R35 R43
 N: R50, 53
 Label O, T, C, N,
 R49, 8, 25, 35, 43, 50/53
 S53, 45, 60, 61
 215-607-8

chromyl chloride Note E

chromicoxychloride
 CAS 014977-61-8
 Index 024-005-00-2
 Class'n O: R8 Carc Cat 2: R49 Muta Cat 2: R46 C:
 R35 R43 N: R50, 53
 Label O, T, C, N
 R49, 46, 8, 35, 43, 50/53
 S53, 45, 60, 61
 239-056-8
 Conc Note 3
 Conc = 10% T: C: R49, 46, 35, 43
 Conc >= 5% and < 10% T: R49, 46, 34, 43
 Conc >= 0.5% and < 5% T: R49, 46, 36/37/38, 43
 Conc >= 0.1% and < 0.5% T: R49, 46

chrysene

CAS 000218-01-9
 Index 601-048-00-0
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 N: R50, 53
 Label T, N
 R45, 50/53
 S53, 45, 60, 61
 205-923-4

Chymotrypsin

CAS 009004-07-3
 index 647-011-00-2
 Class'n Xi: R36/37/38 R42
 Label Xn
 R36/37/38, 42
 S(2), 22, 24, 26, 36/37
 232-671-2

C.I. Basic Red 9

4,4'-(4-iminocyclohexa-2,5-dienylidene)methylene)dianiline
 hydrochloride

CAS 000560-61-9
 Index 611-031-00-X
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 209-321-2

C.I. Direct Black 38

disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-
 4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-
 disulphonate

CAS 001937-37-7
 Index 611-025-00-7
 Class'n Carc Cat 2: R45 Repr Cat 3: R63
 Label T
 R45, 63
 S53, 45
 217-710-3

C.I. Direct Blue 6

tetrasodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-
 hydroxynaphthalene-2,7-disulphonate]

CAS 002602-46-2
 Index 611-026-00-2
 Class'n Carc Cat 2: R45 Repr Cat 3: R63
 Label T
 R45, 63
 S53, 45
 220-012-1

C.I. Direct Brown 95

disodium {5-[(4'-((2,6-hydroxy-3-((2-hydroxy-5-sulphophenyl)
 azo)phenyl)azo)(1,1'-biphenyl)-4-yl)azo]salicylato(4-)
 }cuprate(2-)

CAS 016071-86-6
 Index 611-005-00-8
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 240-221-1

C.I. Direct Red 28

disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-
 aminonaphthalene-1-sulphonate)

CAS 000573-58-0
 Index 611-027-00-8
 Class'n Carc Cat 2: R45 Repr Cat 3: R63
 Label T
 R45, 63
 S53, 45
 209-358-4

C.I. Disperse Blue 1

1,4,5,8-tetraaminoquinone

CAS 002475-45-8
 Index 611-032-00-5
 Class'n Carc Cat 2: R45 Xi: R38, 41 R43
 Label T
 R45, 38, 41, 43
 S53, 45
 219-6-3-7

C.I. Disperse Yellow 3

N-[4-[(2-hydroxy-5-methylphenyl)azo]phenyl]acetamide

CAS 002832-40-8
 Index 611-055-00-0
 Class'n Carc Cat 3: R40 R43
 Label Xn
 R40, 43
 S(2), 22, 36/37, 46
 220-600-8

cinerin I

3-(but-2-enyl)-2-methyl-4-oxocyclopent-2-enyl-2,2-dimethyl-3-(2-
 methylprop-1-enyl)cyclopropanecarboxylate

CAS 025402-06-6
 Index 613-025-00-2
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 246-948-0



■ cinerin II

3-but-2-enyl-2-methyl-4-oxocyclopent-2-enyl-2,2-dimethyl-(3-methoxy-2-methyl-3-oxoprop-1-enyl)cyclopropanecarboxylate

CAS 000121-20-0
 Index 613-026-00-8
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 204-454-2

C.I. Pigment Red 104

lead chromate molybdate sulfate red

CAS 012656-85-8
 Index 082-010-00-5
 Class'n Carc Cat 3; R40 Repr Cat 1: R61 Repr Cat 3:
 R62 R33 N: R50, 53
 Label T, N
 R61, 33, 40, 50/53, 62
 S53, 45, 60, 61
 235-759-9
 Conc Note 1

C.I. Pigment Yellow 34

lead sulfochromate yellow

CAS 001344-37-2
 Index 082-009-00-X
 Class'n Carc Cat 3: R40 Repr Cat 1: R61 Repr Cat 3:
 R62 R33 N: R50, 53
 Label T, N
 R61, 33, 40, 50/53, 62
 S53, 45, 60, 61
 215-693-7
 Conc Note 1

- mixture of
 cis-4-acetoxy-4-methyl-2-propyl-tetrahydro-2H-pyran
 and
 trans-4-acetoxy-4-methyl-2-propyl-tetrahydro-2H-
 pyran

CAS 131766-73-9
 Index 607-357-00-7 (see Part III)
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 412-450-9

- mixture of
 cis-(2R)-S-acetoxy-1,3-oxathiolane-2-carboxylic acid
 and
 trans-(2R)-S-acetoxy-1,3-oxathiolane-2-carboxylic
 acid

CAS 147027-04-1
 Index 607-369-00-2 (See Part III)
 Class'n Xn: R22 Xi: R38, 41 R43
 Label Xn
 R22, 38, 41, 43
 S(2), 22, 24, 26, 37/39
 411-660-8

- mixture of
 cis-(5-ammonium-1,3,3-trimethyl)-
 cyclohexanemethylammonium phosphate (1:1)
 and

trans-(5-ammonium-1,3,3-trimethyl)-
 cyclohexanemethylammonium phosphate (1:1)
 CAS 114765-88-7
 Index 612-166-00-7 (see Part III)
 Class'n Xi: R41 R43 R52, 53
 Label Xi
 R41, 43, 52/53
 S(2), 24, 26, 37/39, 61
 411-830-1

- mixture of

cis- and trans-cyclohexadec-8-en-1-one
 CAS 003100-36-5
 Index 606-046-00-3 (see Part III)
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 401-700-2

- cis-cyclohexane-1,2-dicarboxylic anhydride Note C

cyclohexane-1,2-dicarboxylic anhydride
 trans-cyclohexane-1,2-dicarboxylic anhydride
 CAS 013149-00-3
 Index 607-102-00-X
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 23, 24, 26, 37/39
 236-086-3

- cis-dichloroethylene Note C

CAS 0001 56-59-2
 Index 602-026-00-3 (see Part III)
 Class'n F: R11 Xn: R20 R52, 53
 Label F, Xn
 R11, 20, 52/53
 S(2), 7, 16, 29, 61
 205-859-7
 Conc Conc >= 12.5% Xn: R20

- mixture of
 cis-2,4-dimethyl-2-(5,6,7,8-tetrahydro-5,5,8,8-
 tetramethyl-naphthalene-2-yl)-1,3-dioxolane
 and

trans-2,4-dimethyl-2-(5,6,7,8-tetrahydro-5,5,8,8-
 tetramethyl-naphthalene-2-yl)-1,3-dioxolane
 Index 606-060-00-X (see Part III)
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 412-950-7

- mixture of
 - cis-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl) coumarin
 - and
 - trans-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl) coumarin
- | | |
|---------|---|
| CAS | 090035-08-8 |
| Index | 607-375-00-5 (see Part III) |
| Class'n | T+: R26/27/28 T: R48/23/24/25 N: R50, 53 |
| Label | T+, N
R26/27/28, 48/23/24/25, 50/53
S(1/2), 28, 36/37/39, 45, 60, 61
421-960-0 |

cis-2-methylcyclohexanol Note C

CAS	007443-70-1
index	603-010-00-9 (see Part III)
Class'n	Xn:R20
Label	Xn R20 S(2), 24/25 231-187-9

● **C.I. Solvent Yellow 14**

1-phenylazo-2-naphthol	
CAS	000842-07-9
Index	611-056-00-6
Class'n	Carc Cat 3: R40 Muta Cat 3: R68 R43 R53
Label	Xn R40, 43, 53, 68 S(2), 22, 36/37, 46, 61 212-668-2

cis-4-[3-(p-tert-butylphenyl)-2-methylpropyl]-2,6-dimethylmorpholine

fenpropimorph	
CAS	067564-91-4
Index	613-124-00-0
Class'n	Xn: R20 Xi: R38 N: R51, 53
Label	Xn, N R20, 38, 51/53 S(2), 36/37/39, 61 266-719-9

cis-1,2,3,6-tetrahydro-4-methylphthalic anhydride Note C

CAS	001694-82-2
index	607-240-00-0 (see Part III)
Class'n	Xi: R41 R42/43
Label	Xn R41, 42/43 S(2), 22, 24, 26, 37/39 216-906-6

cis-1,2,3,6-tetrahydrophthalic anhydride Note C

1,2,3,6-tetrahydrophthalic anhydride	
3,4,5,6-tetrahydrophthalic anhydride	
tetrahydrophthalic anhydride	
CAS	000935-79-5
Index	607-099-00-5
Class'n	Xi: R41 R42/43 R52, 53
Label	Xn R41, 42/43, 52/53 S(2), 22, 24, 26, 37/39, 61 213-308-7

citral

CAS	005392-40-5
Index	605-019-00-3
Class'n	Xi: R38 R43
Label	Xi R38, 43 S(2), 24/25, 37 226-394-6

clofenotane (INN)

DDT (common name not adopted by ISO)	
dicophane	
1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane	
dichlorodiphenyltrichloroethane	
CAS	000050-29-3
index	602-045-00-7
Class'n	T: R25, 48/25 Carc Cat 3: R40 N: R50, 53
Label	T, N R25, 40, 48/25, 50/53 S(1/2), 22, 36/37, 45, 60, 61 200-024-3

clofop-isobutyl (ISO)

isobutyl 2-(4-(4-chlorophenoxy)phenoxy)propionate	
CAS	051337-71-4
Index	607-160-00-6
Class'n	Xn: R22
Label	Xn R22 S(2)

clopyralid

3,6-dichloropyridine-2-carboxylic acid	
CAS	001702-17-6
Index	607-231-00-1
Class'n	Xi: R41 N: R51, 53
Label	Xi, N R41, 51/53 S(2), 26, 39, 61 216-935-4

**coal tar products
acid extract**

extracts oils (coal), tar base Notes H, J and M

CAS	065996-86-3
Index	648-140-00-7 (see Part II)
Class'n	Carc Cat 2: R45
Label	T R45 S53, 45 266-020-9

extract oils (coal), light oil Notes H and J

CAS	090640-99-6
Index	648-028-00-8 (see Part II)
Class'n	Carc Cat 2: R45
Label	T R45 S53, 45 292-622-6

**extracts oils (coal), naphthalene oils** Notes H, J and M

CAS 090641-00-2
 Index 648-130-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-623-1

**coal tar products
alkaline extract****extracts, coal tar oil alk.** Notes H, J and M

CAS 065996-83-0
 Index 648-113-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 266-017-2

tar acids, cresylic, sodium salts, caustic solutions

Notes H, J and M

CAS 068815-21-4
 Index 648-139-00-1
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 272-361-4

phenols, ammonia liquor ext. Notes H, J and M

CAS 084988-93-2
 Index 648-111-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 284-881-9

distillates (coal tar), light oils, alk. exts. Notes H, J and M

CAS 090640-88-3
 Index 648-112-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-610-0

distillates (coal tar), naphthalene oils, alk. exts.

Notes H, J and M

CAS 090640-89-4
 Index 648-114-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-611-6

**coal tar products
anthracene oil****anthraceneoil** Notes H and M

CAS 090640-80-5
 Index 648-079-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-602-7

**coal tar products
anthracene oil extract residue****anthracene oil, acid ext.** Notes H and M

CAS 091995-14-1
 Index 648-046-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-274-3

**coal tar products
anthracene oil fraction****anthracene oil, anthracene paste** Notes H, J and M

CAS 090640-81-6
 Index 648-103-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-603-2

anthracene oil, anthracene-low Notes H, J and M

CAS 090640-82-7
 Index 648-104-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-604-8

anthracene oil, anthracene paste, carbazole fraction

Notes H, J and M

CAS 091955-16-3
 Index 648-107-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-276-4

anthracene oil, anthracene paste, anthracene fraction

Notes H, J and M

CAS 091995-15-2
 Index 648-106-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-275-9

anthracene oil, anthracene paste, distn. lights Notes H, J and M

CAS 091995-17-4
 Index 648-108-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-278-5

residues (coal tar), anthracene oil distn. Notes H, J and M

CAS 092061-92-2
 Index 648-105-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-505-8

**coal tar products
carbolic oil****tar oils, coal** Notes H and J

CAS 065996-82-9
 Index 648-024-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 266-01 6-7

distillates (coal tar), light oils Notes H and J

CAS 084650-03-3
 Index 648-023-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 283-483-2

**coal tar products
carbolic oil extract residue****extract residues (coal), tar oil alk.** Notes H and J

CAS 065996-87-4
 Index 648-027-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 266-021-4

extract residues (coal), light oil alk., acid ext. Notes H and J

CAS 090641-01-3
 Index 648-026-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 292-624-7

**coal tar products
coal liquids****coal liquids, liq. solvent extn. soln.** Notes H and M

CAS 094114-47-3
 Index 648-143-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 302-682-8

coal liquids, liq. solvent extn. Notes H and M

CAS 094114-48-4
 Index 648-144-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 302-683-3

**coal tar products
coal tar****tar, coal** Note H

CAS 008007-45-2
 Index 648-081-00-7 (see Part II)
 Class'n Carc Cat 1: R45
 Label T
 R45
 S53, 45
 232-361-7

**coal tar products
coal tar extract****extracts residues (coal), brown** Notes H and M

CAS 091697-23-3
 Index 648-064-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 294-285-0

paraffin waxes (coal), brown-coal high-temp. tar Notes H and M

CAS 092045-71-1
 Index 648-065-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-454-1

**paraffin waxes (coal), brown-coal high-temp. tar,
hydrotreated** Notes H and M

CAS 092045-72-2
 Index 648-066-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-455-7

**paraffin waxes (coal), brown-coal high-temp. tar, carbon-treated** Notes H and M

CAS 097926-76-6
 Index 648-052-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 308-296-6

paraffin waxes (coal), brown-coal high temp. tar, clay-treated Notes H and M

CAS 097926-77-7
 Index 648-053-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 308-297-1

paraffin waxes (coal), brown-coal high-temp. tar, silicic acid-treated Notes H and M

CAS 097926-78-8
 Index 648-067-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 308-298-7

coal tar products
 coal tar solids residue

tar, coal, high-temp., high solids Notes H and M

CAS 068990-61-4
 Index 648-062-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 273-615-7

tar, coal, storage residues Notes H and M

CAS 091082-50-7
 Index 648-060-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 293-764-1

tar, coal, high-temp., distn. and storage residues Notes H and M

CAS 092062-20-9
 Index 648-059-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-535-1

waste solids, coal-tar pitch coking Notes H and M

CAS 092062-34-5
 Index 648-063-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label, T
 R45
 S53,45
 295-549-8

tar, coal, high-temp., residues Notes H and M

CAS 100684-51-3
 Index 648-061-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 309-726-5

coal tar products
 crude benzole

light oil (coal), coke-oven Notes H and J

CAS 065996-78-3
 Index 648-147-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 266-072-5

coal tar products
 crude phenols

taracids, coal, crude Notes H, J and M

CAS 065996-85-2
 Index 648-116-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 266-019-3

extract residues (coal), tar oil alk., carbonated, limed
Notes H, J and M

CAS 090641-06-8
 Index 648-115-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-629-4

tar acids, brown-coal gasification Notes H, J and M

CAS 092062-22-1
 Index 648-118-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-536-7

tar acids, brown-coal, crude Notes H, J and M

CAS 101316-86-3
 Index 648-117-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 309-888-7

coal tar products
 crude tar bases

tar bases, coal, crude Notes H, J and M

CAS 065996-84-1
 Index 648-141-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 266-018-8

pyridine, alkyl derivatives Notes H and J

CAS 068391-11-7
 Index 648-029-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 269-929-9

coal tar products
 distillate bases

tar bases, quinoline derivs. Notes H, J and M

CAS 068513-87-1
 Index 648-131-00-8
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 271-020-7

extractoils(coal),tarbase,collidine fraction Notes H and J

CAS 068937-63-3
 Index 648-032-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 273-077-3

tarbases,coal,quinolinederivs.fraction Notes H, J and M

CAS 070321-67-4
 Index 648-132-00-3
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 274-560-1

tar bases, coal, lutidine fraction Notes H and J

CAS 091082-52-9
 Index 648-031-00-4
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 293-766-2

tar bases coal, toluidine fraction Notes H and J

CAS 091082-53-0
 Index 648-035-00-6
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 293-767-8

tar bases, coal, aniline fraction Notes H and J

CAS 092062-27-6
 Index 648-034-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-541-4

tar bases (coal), collidine fraction Notes H and J

CAS 092062-28-7
 Index 648-033-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-543-5

tar bases, coal, dish. residues Notes H, J and M

CAS 092062-29-8
 Index 648-133-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-544-0

tar bases, coal, picoline fraction Notes H and J

CAS 092062-33-4
 Index 648-030-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-548-2

coal tar products
 distillate phenols

tar acids, residues, distillates, first-cut Notes H, J and M

CAS 068477-23-6
 Index 648-125-00-5 (See Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-713-1

**tar acids, cresylic residues** Notes H, J and M

CAS 068555-24-8
 Index 648-126-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 271-418-0

tar acids, cresylic Notes H, J and M

CAS 092602-26-5
 Index 648-128-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-540-9

tar acids, ethylphenol fraction Notes H, J and M

CAS 084989-03-7
 Index 648-123-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 284-891-3

tar acids, brown-coal, C2-alkylphenol fraction Notes H, J and M

CAS 094114-29-1
 Index 648-129-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 302-662-9

tar acids, methylphenol fraction Notes H, J and M

CAS 084989-04-8
 Index 648-120-00-8 (See Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 284-892-9

tar acids, distn. residues Notes H, J and M

CAS 096690-55-0
 Index 648-119-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 306-251-5

tar acids, polyalkylphenol fraction Notes H, J and M

CAS 084989-05-9
 Index 648-121-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 284-893-4

tar acids, xylenol fraction Notes H, J and M

CAS 084989-06-0
 Index 648-122-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 284-895-5

tar acids, 3,5-xylenol fraction Notes H, J and M

CAS 084989-07-1
 Index 648-124-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 284-896-0

phenols, C9-11 Notes H, J and M

CAS 091079-47-9
 Index 648-127-00-6
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 293-435-2

**coal tar products
distillates****distillates (coal-petroleum), condensed-ring arom.**

Notes H and M

CAS 068188-48-7
 Index 648-072-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 269-159-3

distillates (coal), liq. solvent extn. primary Notes H and J

CAS 094114-52-0
 Index 648-148-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 302-688-0

distillates (coal), solvent extn. hydrocracked Notes H and J

CAS 094114-53-1
 Index 648-149-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 302-689-6

distillates (coal), solvent extn. hydrocracked middle

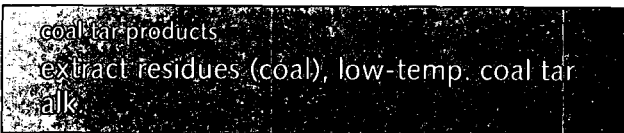
Notes H and J

CAS	094114-56-4
Index	648-152-00-2 (see Part II)
Class'n	Carc Cat 2: R45
Label	T R45 S53,45 302-692-2

distillates (coal), solvent extn. hydrocracked hydrogenated middle

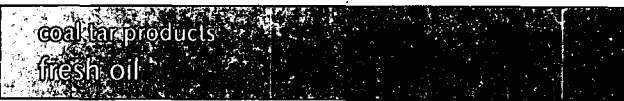
Notes Hand J

CAS	094114-57-5
Index	648-153-00-8 (see Part II)
Class'n	Carc Cat 2: R45
Label	T R45 S53,45 302-693-8



extract residues (coal), low-temp. coal tar alk. Notes H, J and M

CAS	122384-78-5
Index	648-110-00-3 (see Part II)
Class'n	Carc Cat 2: R45
Label	T R45 S53,45 310-191-5



light oil (coal), semi-coking process Notes H and I

CAS	090641-11-5
Index	648-156-00-4 (see Part II)
Class'n	Carc Cat 2: R45
Label	T R45 S53,45 292-635-7



gasoline, coal solvent extn., hydrocracked naphtha Note H

CAS	094114-55-3
Index	648-151-00-7 (see Part II)
Class'n	Carc Cat 2: R45
Label	T R45 S53,45 302-691-7

hels, jet aircraft, coal solvent extn., hydrocracked hydrogenated Note H

CAS	094114-58-6
Index	648-154-00-3 (see Part II)
Class'n	Carc Cat 3: R40
Label	Xn R40 S(2),36/37 302-694-3

fuels, diesel, coal solvent extn., hydrocracked hydrogenated

Note H

CAS	094114-59-7
Index	648-155-00-9 (see Part II)
Class'n	Carc Cat 3: R40
Label	Xn R40 S(2),36/37 302-695-9



hydrocarbon oils, arom., mixed with polyethylene and polypropylene, pyrolyzed, light oil fraction

Notes H, J and M

CAS	100801-63-6
Index	648-134-00-4 (see Part II)
Class'n	Carc Cat 2: R45
Label	T R45 S53,45 309-745-9

hydrocarbon oils, arom., mixed with polyethylene, pyrolyzed, light oil fraction Notes H, J and M

CAS	100801-65-8
Index	648-135-00-X (see Part II)
Class'n	Carc Cat 2: R45
Label	T R45 S53,45 309-748-5

hydrocarbons oils, arom., mixed with polystyrene, pyrolyzed, light oil fraction Notes H, J and M

CAS	100801-66-9
Index	648-136-00-5 (see Part II)
Class'n	Carc Cat 2: R45
Label	T R45 S53,45 309-749-0



distillates (coal tar), upper Notes H and M

CAS	065996-91-0
Index	648-045-00-0 (see Part II)
Class'n	Carc Cat 2: R45
Label	T R45 S53,45 266-026-1

**distillates (coal tar)** Notes H and M

CAS 065996-92-1
 Index 648-047-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 266-027-7

distillates (coal tar), heavy oils Note H

CAS 090640-86-1
 Index 648-044-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-607-4

distillates (coal tar), pitch, heavy oils Notes H and M

CAS 091995-51-6
 Index 648-048-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-312-9

distillates (coal tar), pitch Notes H and M

CAS 101316-49-8
 Index 648-049-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 309-855-7

coal tar products
 heavy anthracene oil redistillate

distillates (coal tar), heavy oils, pyrene fraction Notes H and M

CAS 091995-42-5
 Index 648-050-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-304-5

distillates (coal tar), pitch, pyrene fraction Notes H and M

CAS 091995-52-7
 Index 648-051-00-3 (See Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-313-4

phenanthrene, distn. residues Notes H and M

CAS 122070-78-4
 Index 648-077-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 310-169-5

coal tar products
 light oil

distillates (coal tar), benzole fraction Note H

CAS 084650-02-2
 Index 648-001-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 283-482-7

tar oils, brown-coal Notes H and J

CAS 094114-40-6
 Index 648-002-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 302-674-4

coal tar products
 light oil extract residues, high boiling

solvent naphtha (coal) Notes H and J

CAS 065996-79-4
 Index 648-020-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 266-013-0

distillates (coal tar), light oils, acid exts. Notes H and J

CAS 090640-87-2
 Index 648-022-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-609-5

extract residues (coal), light oil alk., indene naphtha fraction

Notes H and J

CAS 090641-03-5
 Index 648-019-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-626-8

distillates (coal tar), light oils, neutral fraction Notes H and J

CAS 101794-90-5
 Index 648-021-004 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 309-971-8

coal tar products
light oil extract residues, intermediate boiling

extract residues (coal), light oil alk., acid ext., indene fraction Notes H and J

CAS 101316-62-5
Index 648-018-00-3
Class'n Carc Cat 2: R45
Label T
R45
S53,45
309-867-2

coal tar products
light oil extract residues, low boiling

extract residues (coal), light oil alk., distn. overheads Notes H and J

CAS 090641-02-4
Index 648-017-00-8 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
292-625-2

extract residues (coal), benzole fraction alk., acid ext. Notes H and J

CAS 091995-61-8
Index 648-014-00-1 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
295-323-9

extract residues (coal), benzole fraction acid Notes H and J

CAS 093821-38-6
Index 648-016-00-2 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
298-725-2

extract residue (coal tar), benzole fraction alk., acid ext. Notes H and J

CAS 101316-63-6
Index 648-015-00-7 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
309-868-8

coal tar products
light oil redistillate, high boiling

naphtha (coal), distn. residues Notes H and J

CAS 090641-12-6
Index 648-009-00-4 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
292-636-2

aromatic hydrocarbons, C8 Notes H and J

CAS 090989-38-1
Index 648-010-00-X
Class'n Carc Cat 2: R45
Label T
R45
S53,45
292-694-9

aromatic hydrocarbons, C8-9, hydrocarbon resin polymn. by-product Notes H and J

CAS 091995-20-9
Index 648-012-00-0 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
295-281-1

aromatic hydrocarbons, C9-12, benzene distn. Notes H and J

CAS 092062-36-7
Index 648-013-00-6
Class'n Carc Cat 2: R45
Label T
R45
S53,45
295-551-9

coal tar products
light oil redistillate, intermediate boiling

solvent naphtha (coal), coumarone-styrene contg. Notes H and J

CAS 085536-19-2
Index 648-008-00-9
Class'n Carc Cat 2: R45
Label T
R45
S53,45
287-500-4

solvent naphtha (coal), xylene-styrene cut Notes H and J

CAS 085536-20-5
Index 648-007-00-3
Class'n Carc Cat 2: R45
Label T
R45
S53,45
287-502-5



coal tar products
light oil redistillate, low boiling

benzol forerunnings, (coal) Notes H and J

CAS 065996-88-5
Index 648-003-00-1 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
266-023-5

solvent naphtha (coal), light Notes H and J

CAS 085536-17-0
Index 648-006-00-8
Class'n Carc Cat 2: R45
Label T
R45
S53,45
287-498-5

aromatic hydrocarbons, C6-10, C8-rich Notes H and J

CAS 090989-41-6
Index 648-005-00-2
Class'n Carc Cat 2: R45
Label T
R45
S53,45
292-697-5

distillates (coal tar), benzole fraction, btx rich Notes H and J

CAS 101896-26-8
Index 648-004-00-7 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
309-984-9

coal tar products
methylnaphthalene oil

distillates (coal tar), naphthalene oils, indole-methylnaphthalene fraction Notes H, J and M

CAS 101794-91-6
Index 648-093-00-2 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
309-972-3

distillates (coal tar), naphthalene oils, methylnaphthalene fraction Notes H, J and M

CAS 101896-27-9
Index 648-092-00-7 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
309-985-4

coal tar products
methylnaphthalene oil extract residue

extract oils (coal), acidic, tar-base free Notes H, J and M

CAS 084989-12-8
Index 648-096-00-9 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
284-901-6

extract residues (coal), naphthalene oil ak., distn. residues Notes H, J and M

CAS 090641-05-7
Index 648-095-00-3 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
292-628-9

distillates (coal tar), naphthalene oils, acid exts.

Notes H, J and M

CAS 091995-48-1
Index 648-094-00-8 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
295-309-2

coal tar products
naphtha (coal), solvent extraction,
hydrocracked

naphtha (coal), solvent extraction, hydrocracked Notes H and J

CAS 094114-54-2
Index 648-150-00-1 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
302-690-1

coal tar products
naphthalene oil

distillates (coal tar), naphthalene oils Notes H, J and M

CAS 084650-04-4
Index 648-085-00-9 (See Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53,45
283-484-8

distillates (coal), coke-oven light oil, naphthalene cut

Notes H, J and M

CAS 085029 51-2
 Index 648-084-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 285 076-5

coal tar products
 naphthalene oil extract residue

distillates (coal tar), naphthalene oils, naphthalene-free,
alk. exts. Notes H, J and M

CAS 090640-90-7
 Index 648-090-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-612-1

extract residues (coal), naphthalene oil ak., distn.
overheads Notes H, J and M

CAS 090641 04 6
 Index 648-091-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-627-3

extract residues (coal), naphthalene oil, alk. Notes H, J and M

CAS 121620-47-1
 Index 648-088-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 310-166-9

extract residues (coal), naphthalene oil, alk., naphthalene-
low Notes H, J and M

CAS 121620 48-2
 Index 648-089-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 310-167-4

extract residues (coal), tar oil ak., naphthalene distn.
residues Note M

CAS 736665-18-6
 Index 648-137-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 277-567-8

coal tar products
 naphthalene oil redistillate

distillates (coal tar), naphthalene oils, naphthalene-low

Notes H, J and M

CAS 084989-09-3
 Index 648-086-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 284-898-1

distillates (coal tar), naphthalene oil crystn. mother liquor

Notes H, J and M

CAS 091995-49-2
 Index 648 087 00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-310-8

coal tar products
 pitch

pitch Notes H and M

CAS 061789-60-4
 Index 648-054-00-X
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 263-072-4

pitch, coal tar, high-temp. Note H

CAS 065996-93-2
 Index 648-055-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 266-028-2

pitch, coal tar, high temp., heat-treated Notes H and M

CAS 121575-60-8
 Index 648-056-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 310-162-7

coal tar products
 pitch redistillate

residues (coal tar), pitch distn. Notes H and M

CAS 092061-94-4
 Index 648-058-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-507-9

pitch, coal tar, high-temp., secondary Notes H and M

CAS 094114-13-3
 Index 648-057-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 302-650-3

coal tar products
 pitch residue

pitch, coal tar, low-temperature Notes H and M

CAS 090669-57-1
 Index 648-069-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-651-4

pitch, coal tar, low-temp., oxidized Notes H and M.

CAS 090669-59-3
 Index 648-070-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-654-0

coal tar products
 pitch residue, oxidised

pitch, coal tar, low-temp., heat treated Notes H and M

CAS 090669-58-2
 Index 648-071-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-653-5

coal tar products
 pitch residues

pitch, coal tar-petroleum Notes H and M

CAS 068187-57-5
 Index 648-076-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 269-109-0

coal tar products
 pyrolysis products

aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis derived Notes H and M

CAS 101794-74-5
 Index 648-073-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 309-956-6

aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene pyrolysis-derived Notes H and M

CAS 101794-75-6
 Index 648-074-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 309-957-1

aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polystyrene pyrolysis derived Notes H and M

CAS 101794-76-7
 Index 648-075-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 309-958-7

coal tar products
 redistillates

distillates (petroleum), alkene-alkyne manuf. pyrolysis oil, mixed with high-temp. coal tar, indene fraction Notes H and J

CAS 091995-31-2
 Index 648-036-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-292-1

distillates (coal), coal-tar residual pyrolysis oils, naphthalene oils Notes H and J

CAS 091995-35-6
 Index 648-037-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45,
 S53,45
 295-295-8

extract oils (coal), coal tar-residual pyrolysis oils,
naphthalene oil, redistillate Notes H and J

CAS 091995-66-3
 Index 648-038-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-329-1

extract oils (coal), coal tar residual pyrolysis oils,
naphthalene oils Notes H and J

CAS 122070-79-5
 Index 648-039-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 310-170-0

extract oils (coal), coal tar residual pyrolysis oils,
naphthalene oil, distn. residues Notes H and J

CAS 122070-80-8
 Index 648-040-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 310-171-6

coal tar products
residues (coal), liq. solvent extrn.

residues (coal), liq. solvent extrn. Notes H and M

CAS 094114-46-2
 Index 648-142-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 302-681-2

coal tar products
tar, brown coal

tar, brown-coal Note H

CAS 101316-83-0
 Index 648-145-00-4 (see Part II)
 Class'n Carc Cat 1 R45
 Label T
 R45
 S53,45
 309-885-0

tar, brown-coal, low-temp. Note H

CAS 101316-84-1
 Index 648-146-00-X (see Part II)
 Class'n Carc Cat 1: R45
 Label T
 R45
 S53,45
 309-886-6

coal tar products
tar coal

tar, coal, high-temp. Note H

CAS 065996-89-6
 Index 648-082-00-2 (see Part II)
 Class'n Carc Cat 1: R45
 Label T
 R45
 S53,45
 266-024-0

tar, coal, low-temp. Note H

CAS 065996-90-9
 Index 648-083-00-8 (see Part II)
 Class'n Carc Cat 1: R45
 Label T
 R45
 S53,45
 266-025-6

coal tar products
tar oil, high boiling

tar oils, coal, low-temp. Notes H, J and M

CAS 101316-87-4
 Index 648-109-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 309-889-2

coal tar products
tar oil, intermediate boiling

tar, coal, low-temp., distn. residues Notes H and M

CAS 101316-85-2
 Index 648-068-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 309-887-1

coal tar products
wash oil

creosote Notes H, J and M

CAS 008001-58-9
 Index 648-101-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 232-287-5

**creosote oil** Notes H, J and M

CAS 061789-28-4
 Index 648-099-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 263-047-8

creosote oil, high-boiling distillate Notes H, J and M

CAS 070321-79-8
 Index 648-100-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 274-565-9

creosote oil, low-boiling distillate Notes H, J and M

CAS 070321-80-1
 Index 648-138-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 274-566-4

creosote oil, acenaphthene fraction Notes H, J and M

CAS 090640-84-9
 Index 648-098-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-605-3

distillates (coal tar), benzole fraction, distn. residues

Notes H, J and M

CAS 121620-46-0
 Index 648-097-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 310-165-3

coal tar products
 wash oil extract residue

extract residues (coal), creosote oil acid Notes H, J and M

CAS 122384-77-4
 Index 648-102-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 310-189-4

coal tar products
 wash oil redistillate

distillates (coal tar), upper, fluorene-free Notes H and M

CAS 084989-10-6
 Index 648-078-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 284-899-7

distillates (coal tar), upper, fluorene rich Notes H and M

CAS 084989-11-7
 Index 648-042-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 284-900-0

creosote oil, acenaphthene fi-action, acenaphthene-free

Notes Hand M

CAS 090640-85-0
 Index 648-043-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 292-606-9

residues (coal tar), creosote oil distn. Notes H and M

CAS 092061-93-3
 Index 648-080-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 295-506-3

absorption oils, bicyclo arom. and heterocyclic**hydrocarbon fraction** Note 5 H and M

CAS 101316-45-4
 Index 648-041-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 309-851-5

alphabetical listing continued

cobalt

CAS 007440-48-4
 Index 027-001-00-9
 Class'n R42/43 R53
 Label Xn
 R42/43,53
 S(2), 22,24,37,61
 231-158-0

cobalt dichloride Note E

CAS 007646-79-9
 Index 027-004-00-5
 Class'n Carc Cat2: R49 Xn: R22 R42/43 N: R50,53
 Label TN
 R49,22,42,43,50/53
 S(2), 22, 53,45, 60, 61
 231-589-4
 Conc Note 1
 Conc >= 25% T: R49,22,42/43
 Conc >= 1% and < 25% T: R49,42/43
 Conc >= 0.01% and < 1% T: R49

cobalt oxide

CAS 001307-96-6
 Index 027-002-00-4
 Class'n Xn: R22 R43 N: R50,53
 Label Xn, N
 R22,43,50/53
 S(2), 24,37,60,61
 215-154-6

cobalt sulphate Note E

CAS 010124-43-3
 Index 027-005-00-0
 Class'n Carc Cat 2: R49 Xn: R22 R42/43 N: R50, 53
 Label T, N
 R49,22,42/43,50/53
 S(2), 22,53,45,60,61
 233-334-2
 Conc Note 1
 Conc >= 25% T: R49,22,42/43
 Conc >= 1% and > 25% T: R49,42/43
 Conc >= 0.01% and < 1% T: R49

cobalt sulphide

CAS 001317-42-6
 Index 027-003-00-X
 Class'n R43 N: R50,53
 Label Xi, N
 R43,50/53
 S(2), 24,37, 60, 61
 215-273-3

colchicine

CAS 000064-86-8
 Index 614-005-00-6
 Class'n T+: R26/28
 Label T+
 R26/28
 S(1/2), 13, 45
 200-598-5

mixture of

copper(1) O,O-bis(4-methylpent-2-yl)
 phosphorodithioate

and Label
 copper (1) O,O-diisopropyl phosphorodithioate

and
 copper (1) O-isopropyl O-(4-methylpent-2-yl)
 phosphorodithioate

Index 015-145-00-5 (see Part III)
 Class'n N: R50,53
 Label N
 R50/53
 S60,61
 401-520-4

copper (1) chloride

copper chloride
 cuprous chloride
 CAS 007758-89-6
 Index 029-001-00-4
 Class'n Xn: R22 N: R50,53
 Label Xn, N
 R22,50/53
 S(2), 22,60, 61
 231-842-9

copper chloride

copper (1) chloride
 cuprous chloride
 CAS 007758-89-6
 Index 029-001-00-4
 Class'n Xn: R22 N: R50,53
 Label Xn, N
 R22,50/53
 S(2), 22,60, 61
 231-842-9

mixture of

copper (I) O,O-diisopropyl phosphorodithioate

and

copper (I) O-isopropyl O-(4-methylpent-2-yl)
 phosphorodithioate

and

copper (1) O,O-bis (4-methylpent-2-yl)
 phosphorodithioate

Index 015-145-00-5 (see Part III)

Class'n N: R50, 53

Label N
 R50/53
 S60,61
 401-520-4

mixture of

copper(1) O-isopropyl O-(4-methylpent-2-yl)
 phosphorodithioate

and

copper (1) O,O-diisopropyl phosphorodithioate

and

copper (1) O,O-bis(4-methylpent-2-yl)
 phosphorodithioate

Index 015-145-00-5 (see Part III)

Class'n N: R50,53

Label N
 R50/53
 S60,61
 401-520-4

copper (II) methanesulfonate

CAS 054253-62-2
 Index 029-008-00-2
 Class'n Xn: R22 Xi: R41 N: R50,53
 Xn, N
 R22,41,50/53
 S(2), 26,36/37/39,60,61
 405-400-2



copper naphthenate

naphthenic acids, copper salts

CAS 001338-02-9
 Index 029-003-00-5
 Class'n R10 Xn: R22 N: R50, 53
 Label Xn, N
 R10, 22, 50/53
 S(2), 60, 61
 215-657-0

copper (I) oxide

dicopper oxide

CAS 001317-39-1
 Index 029-002-00-X
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 22
 215-270-7

copper sulphate

CAS 007758-98-7
 Index 029-004-00-0
 Class'n Xn: R22 Xi: R36/38 N: R50, 53
 Label Xn, N
 R22, 36/38, 50/53
 S(2), 22, 60, 61
 231-847-6

coumachlor (ISO)

3-[1-(4-chlorophenyl)-3-oxobutyl]-4-hydroxycoumarin

CAS 000081-82-3
 Index 607-057-00-6
 Class'n Xn: R48/22 R52, 53
 Label Xn
 R48/22, 52/53
 S(2), 37, 61
 201-378-1

coumafuryl (ISO)

fumarin

(RS)-3-(1-(2-furyl)-3-oxobutyl)-4-hydroxycoumarin
 4-hydroxy-3-[3-oxo-1-(2-furyl)butyl]coumarin

CAS 000117-52-2
 Index 607-058-00-1
 Class'n T R25, 48/25 R52, 53
 Label T
 R25, 48/25, 52/53
 S(1/2), 37, 45, 61
 204-195-5

coumaphos (ISO)

O-3-chloro-4-methylcoumarin-7-yl O,O-diethyl phosphorothioate

CAS 000056-72-4
 Index 015-038-00-3
 Class'n T+: R28 Xn: R21 N: R50, 53
 Label T+, N
 R21, 28, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 200-285-3

coumatetralyl

4-hydroxy-3-(1,2,3,4-tetrahydro-1-naphthyl)coumarin

CAS 005836-29-3
 Index 607-059-00-7
 Class'n T+: R27/28 T: R48/24/25 R52, 53
 Label T+
 R27/28, 48/24/25, 52/53
 S(1/2), 28, 36/37, 45, 61
 227-424-0

coumithoate (ISO)

O,O-diethyl O-7,8,9,10-tetrahydro-6-oxo-benzo(c)chromen-3-yl phosphorothioate

CAS 000572-48-5
 Index 015-086-00-5
 Class'n T: R25
 Label T
 R25
 S(1/2), 28, 36/37, 45

4-CPA

CAS 000122-88-3
 Index 607-073-00-3
 Class'n Xn: R22
 Label Xn
 R2 2
 S(2)
 204-581-3

4-CPA, diethanolamine salt of

Index 607-161-00-1
 Class'n Xn: R22
 Label Xn
 R22
 S(2)

cresol {o} Note C

CAS 000095-48-7
 Index 604-004-00-9 (see Part III)
 Class'n T: R24/25 C: R34
 Label T
 R24/25, 34
 S(1/2), 36/37/39, 45
 202-423-8
 Conc Conc >= 5% T: R24/25, 34
 Conc >= 1% and < 5% Xn: R21/22, 36/38

cresol {p} Note C

CAS 000106-44-5
 Index 604-004-00-9 (see Part III)
 Class'n T: R24/25 C: R34
 Label T
 R24/25, 34
 S(1/2), 36/37/39, 45
 203-398-6
 Conc Conc >= 5% T: R24/25, 34
 Conc >= 1% and < 5% Xn: R21/22, 36/38

cresol {m} Note C
 CAS 000108-39-4
 Index 604-004-00-9 (see Part III)
 Class'n T: R24/25 C: R34
 Label T
 R24/25, 34
 S(1/2), 36/37/39, 45
 203-577-9
 Conc Conc >= 5% T: R24/25, 34
 Conc >= 1% and < 5% Xn: R21/22, 36/38

cresol {mixture} Note C
 CAS 001319-77-3
 Index 604-004-00-9 (see Part III)
 Class'n T: R24/25 C: R34
 Label T
 R24/25, 34
 S(1/2), 36/37/39, 45
 215-293-2
 Conc Conc >= 5% T: R24/25, 34
 Conc >= 1% and < 5% Xn: R21/22, 36/38

cresyl glycidyl ether Note C
 CAS 026447-14-3
 Index 603-056-00-X (see Part III)
 Class'n Muta Cat 3: R68 Xi: R38 R43 N: R51, 53
 Label Xn,N
 R38, 43, 51/53, 68
 S(2), 36/37, 61
 247-711-4

crimidine (ISO)
 2-chloro-6-methylpyrimidin-4-yl dimethylamine
 CAS 000535-89-7
 Index 613-004-00-8
 Class'n T+: R28
 Label T+
 R28
 S(1/2), 36/37, 45
 208-622-6

(E)-crotonaldehyde
 CAS 000123-73-9
 Index 605-009-00-9 (see Part III)
 Class'n F: R11 Muta Cat 3: R68 T+: R26 T: R24/25
 Xn: R48/22 Xi: R37/38, 41 N: R50
 Label F, T+, N
 R11, 24/25, 26, 37/38, 41, 48/22, 50, 68
 S(1/2), 26, 28, 36/37/39, 45, 61
 204-647-1

crotonaldehyde
 CAS 004170-30-3
 Index 605-009-00-9 (see Part III)
 Class'n F: R11 Muta Cat 3: R68 T+: R26 T: R24/25
 Xn: R48/22 Xi: R37/38, 41 N: R50
 Label F, T+, N
 R11, 24/25, 26, 37/38, 41, 48/22, 50, 68
 S(1/2), 26, 28, 36/37/39, 45, 61
 224-030-0

crotoxyphos (ISO)
 1-phenylethyl 3-(dimethoxyphosphinyloxy) isocrotonate
 CAS 007700-17-6
 Index 015-109-00-9
 Class'n T: R24/25
 Label T
 R24/25
 S(1/2), 28, 36/37, 45
 231-720-5

crufomat (ISO)
 4-tert-butyl-2-chlorophenyl methyl methylphosphoramidate
 CAS 000299-86-5
 Index 015-074-00-X
 Class'n Xn: R21/22 N: R50, 53
 Label Xn,N
 R21/22, 50/53
 S(2), 36/37, 60, 61
 206-083-1

cryolite Note C
 trisodium hexafluoroaluminate
 CAS 015096-52-3
 Index 009-016-00-2
 Class'n T: R48/23/25 Xn: R20/22 N: R51, 53
 Label T, N
 R20/22, 48/23/25, 51/53
 S(1/2), 22, 37, 45, 61
 239-148-8

C12-14-tert-alkylamine, methylphosphonic acid salt
 CAS 119415-07-5
 Index 612-117-00-X
 Class'n Xn: R22 C: R34 N: R51, 53
 Label C, N
 R22, 34, 51/53
 S(1/2), 26, 28, 36/37/39, 45, 61
 404-750-3

mixture of
 C12-14-tert-alkylammonium diphenyl
 phosphorothioate
and
 dionyl sulphide (or disulphide)
 Index 015-147-00-6 (see Part III)
 Class'n Xi: R38, 41 N: R51, 53 R43
 Label Xi,N
 R38, 41, 43, 51/53
 S(2), 24, 26, 37/39, 61
 400-930-0

cumene Note C
 CAS 000098-82-8
 Index 601-024-00-X (See Part III)
 Class'n R10 Xn: R65 Xi: R37 N: R51, 53
 Label Xi,N
 R10, 37, 51/53, 65
 S(2), 24, 37, 61, 62
 202-704-5



cumene hydroperoxide

a-a-dimethylbenzyl hydroperoxide

CAS 000080-15-9

Index 617-002-00-8

Class'n 0: R7 T: R23 Xn: R21/22,48/20/22 C: R34
N: R51, 53

Label O, T, N

R7,21/22,23,34,48/20/22,51/53

.S(1/2), 3/7, 14, 36/37/39, 45, 50, 61

201-254-7

Conc Conc >= 25% T: R21/22, 23, 34, 48/20/22

Conc >= 10% and < 25% C: R20, 34, 48/20/22

Conc >= 3% and < 10% Xn: R20, 37/38, 41

Conc >= 1% and < 3% Xi: R36/37

cuprous chloride

copperchloride

copper(1)chloride

CAS 007758-89-6

Index 029-001-00-4

Class'n Xn: R22 N: R50, 53

Label Xn, N

R22,50/53

S(2), 22,60, 61

231-842-9

cyanamide

carbanonitril

CAS 000420-04-2

Index 615-013-00-2

Class'n T: R25 Xn: R21 Xi: R36/38 R43

Label T

R21,25,36/38, 43

S(1/2), 3, 22, 36/37, 45

206-992-3

cyanazine (ISO)

2-(4-chloro-6-ethylamino-1,3,5-triazine-2-ylamin0)-2-

methylpropionitrile

CAS 021725-46-2

Index 613-013-00-7

Class'n Xn: R22 N: R50, 53

Label Xn, N

R22, 50/53

S(2), 37, 60, 61

244-544-9

• mixture of

3-cyano-5-(2-cyano-4-nitrophenylazo)-2-amino-4-methyl-6-[3-(3-hydroxypropoxy)propylamino]pyridine

and

3-cyano-5-(2-cyano-4-nitrophenylazo)-2-(2-hydroxyethylamino)-4-methyl-6-[3-(2-phenoxyethoxy)propylamino]pyridine

and

3-cyano-5-(2-cyano-4-nitrophenylazo)-6-(2-hydroxyethylamino)-4-methyl-2-[3-(2-phenoxyethoxy)propylamino]pyridine

and

3-cyano-5-(2-cyano-4-nitrophenylazo)-6-amino-4-methyl-2-[3-(3-methoxypropoxy)propylamino]pyridine

Index 611-085-00-4 (see Part III)

Class'n R43 N: R51, 53

Label Xi, N

R43, 51/53

S(2), 24, 37, 61

411-880-4

• mixture of

3-cyano-5-(2-cyano-4-nitrophenylazo)-6-amino-4-methyl-2-[3-(3-methoxypropoxy)propylamino]pyridine

and

3-cyano-5-(2-cyano-4-nitrophenylazo)-2-(2-hydroxyethylamino)-4-methyl-6-[3-(2-phenoxyethoxy)propylamino]pyridine

and

3-cyano-5-(2-cyano-4-nitrophenylazo)-6-(2-hydroxyethylamino)-4-methyl-2-[3-(2-phenoxyethoxy)propylamino]pyridine

and

3-cyano-5-(2-cyano-4-nitrophenylazo)-2-amino-4-methyl-6-[3-(3-hydroxypropoxy)propylamino]pyridine

Index 611-085-00-4 (see Part III)

Class'n R43 N: R51, 53

Label Xi, N

R43, 51/53

S(2), 24, 37, 61

411-880-4

• mixture of

3-cyano-5-(2-cyano-4-nitrophenylazo)-6-(2-hydroxyethylamino)-4-methyl-2-[3-(2-phenoxyethoxy)propylamino]pyridine

and

3-cyano-5-(2-cyano-4-nitrophenylazo)-2-(2-hydroxyethylamino)-4-methyl-6-[3-(2-phenoxyethoxy)propylamino]pyridine

and

3-cyano-5-(2-cyano-4-nitrophenylazo)-2-amino-4-methyl-6-[3-(3-hydroxypropoxy)propylamino]pyridine

and

3-cyano-5-(2-cyano-4-nitrophenylazo)-6-amino-4-methyl-2-[3-(3-methoxypropoxy)propylamino]pyridine

Index 611-085-00-4 (see Part III)

Class'n R43 N: R51, 53

Label Xi, N

R43, 51/53

S(2), 24, 37, 61

411-880-4

• mixture of

3-cyano-5-(2-cyano-4-nitrophenylazo)-2-(2-hydroxyethylamino)-4-methyl-6-[3-(2-phenoxyethoxy)propylamino]pyridine

and

3-cyano-5-(2-cyano-4-nitrophenylazo)-6-(2-hydroxyethylamino)-4-methyl-2-[3-(2-phenoxyethoxy)propylamino]pyridine

and

3-cyano-5-(2-cyano-4-nitrophenylazo)-2-amino-4-methyl-6-[3-(3-hydroxypropoxy)propylamino]pyridine

and

3-cyano-5-(2-cyano-4-nitrophenylazo)-6-amino-4-methyl-2-[3-(3-methoxypropoxy)propylamino]pyridine

Index 611-085-00-4 (see Part III)

Class'n R43 N: R51, 53

Label Xi, N

R43, 51/53

S(2), 24, 37, 61

411-880-4

• mixture of
3-((5-cyano-1,6-dihydro-1,4-dimethyl-2-hydroxy-6-oxo-3-pyridinyl)azo)-benzoyloxy-2-ethoxy-2-(ethylphenol)
and
3-((5-cyano-1,6-dihydro-1,4-dimethyl-2-hydroxy-6-oxo-3-pyridinyl)azo)-benzoyloxy-2-phenoxyethane
Index 611-087-00-5 (see Part III)
Class'n R53
Label R53
S61
411-710-9

• mixture of
3-((5-cyano-1,6-dihydro-1,4-dimethyl-2-hydroxy-6-oxo-3-pyridinyl)azo)-benzoyloxy-2-phenoxyethane
and
3-((5-cyano-1,6-dihydro-1,4-dimethyl-2-hydroxy-6-oxo-3-pyridinyl)azo)-benzoyloxy-2-ethoxy-2-(ethylphenol)
Index 611-087-00-5 (see Part III)
Class'n R53
Label R53
S61
411-710-9

■ 4-cyano-2,6-diiodophenyl octanoate
ioxynil octanoate (ISO)
CAS 003861-47-0
Index 608-018-00-6
Class'n Repr Cat 3: R63 Xn: R22 N: R50,53
Label Xn, N
R22,50/53,63
S(2),36/37,60,61
223-375-4

2'-(2-cyano-4,6-dinitrophenylazo)-5'-(N,
propionanilide
CAS 106359-94-8
Index 611-010-00-5
Class'n R43 R52,53
Label Xi
R43,52/53
S(2),22,24,37,61
403-010-7

2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)
acetamide
cyrnoxanil
CAS 057966-95-7
Index 616-035-00-5
Class'n Xn: R22 R43 N: R50,53
Label Xn, N
R22,43,50/53
S(2),36/37,60,61
261-043-0

cyanofenphos (ISO)
0-4-cyanophenyl 0-ethyl phenylphosphonothioate
CAS 013067-93-1
Index 015-110-00-4
Class'n T: R25,39/25 Xn: R21 Xi: R36
Label T
R21,25,36,39/25
S(1/2),36/37,45

a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,
2-dimethylcyclopropanecarboxylate
cyfluthrin
CAS 068359-37-5
Index 607-253-00-1
Class'n T+: R28 T: R23 N: R50,53
Label T+, N
R23,28,50/53
S(1/2),36/37/39,45,60,61
269-855-7

a -cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,
2-dimethylcyclopropanecarboxylate
beta-cyfluthrin
CAS 068359-37-5
Index 607-254-00-7
Class'n T+:R26128 N: R50,53
Label T+, N
R26/28,50/53
S(1/2),36/37/39,45,60,61
269-855-7

cyanogen
oxalonitrile
CAS 000460-19-5
Index 608-011-00-8
Class'n F: R11 T: R23 N: R50,53
Label F, T, N
R11,23,50/53
S(1/2),23,45,60,61
207-306-5

■ cyanomethane
acetonitrile
CAS 000075-05-8
Index 608-001-00-3
Class'n F: R11 Xn: R20/21/22 Xi: R36
Label F, Xn
R11,20/21/22,36
S(1/2),16,36/37
200-835-2

S-(N-(1-cyano-1-methylethyl)carbamoylmethyl) O,O-
diethyl phosphorothioate
cyanthoate (ISO)
CAS 003734-95-0
Index 015-070-00-8
Class'n T+: R28 T: R24
Label T+
R24,28
S(1/2),36/37,45
223-099-4

2-(4-(4-cyano-3-methylisothiazol-5-ylazo)-N-ethyl-3-
methylamino)ethyl acetate
Index 611-021-00-5
Class'n Xn: R22,48/22 Xi: R38 R53
Label Xn
R22,38,48/22,53
S(2),22,36/37,61
405-480-9



- (S)-**a**-cyano-3-phenoxybenzyl(1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate deltamethrin (ISO)

CAS	05291 8-63-5
Index	607-319-00-X
Class'n	T: R23/25 N: R50, 53
Label	T, N
	R23/25, 50/53
	S(1/2), 24, 28, 36/37/39, 38, 45, 60, 61
	258-256-6

- (S)-**a**-cyano-3-phenoxybenzyl-(S)-2-(4-chlorophenyl)-3-methylbutyrate esfenvalerate

CAS	066230-04-4
Index	650-033-00-5
Class'n	T: R23/25 R43 N: R50, 53
Label	T, N
	R23/25, 43, 50/53
	S(1/2), 24, 36/37/39, 45, 60, 61

- a**-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate fenpropathrin

CAS	039515-41-8
Index	607-239-00-5
Class'n	T+: R26 T: R25 Xn: R21 N: R50, 53
Label	T+, N
	R21, 25, 26, 50/53
	S(1/2), 28, 36/37/39, 38, 45, 60, 61
	254-485-0

- (S)-**a**-cyano-3-phenoxybenzyl (Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)-**a**-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate, 1:1 mixture of lambda-cyhalothrin (ISO)

CAS	091465-08-6
Index	607-252-00-6
Class'n	T+: R26 T: R25 Xn: R21 N: R50, 53
Label	T+, N
	R21, 25, 26, 50/53
	S(1/2), 28, 36/37/39, 38, 45, 60, 61
	415-130-7

- cyano-(3-phenoxyphenyl)methyl N-[2-chloro-4-(trifluoromethyl)phenyl]-D-valinate tau-fluvalinate

CAS	102851-06-9
Index	607-238-00-X
Class'n	Xn: R22 Xi: R38 N: R50, 53
Label	Xn, N
	R22, 38, 50/53
	S(2), 24, 59, 61

- 4-(2-cyano-3-phenylamino)-acryloyloxy-methylcyclohexyl-methyl-2-cyano-3-phenylamino)-acrylate

CAS	147374-67-2
Index	608-028-00-0
Class'n	Xn: R48/20/21 R43 N: R51, 53
Label	Xn, N
	R43, 48/20/21, 51/53
	S(2), 36/37, 61
	413-510-7

- O-4-cyanophenyl O,O-dimethyl phosphorothioate cyanophos (ISO)

CAS	002636-26-2
Index	015-087-00-0
Class'n	Xn: R21/22 N: R50, 53
Label	Xn, N
	R21/22, 50/53
	S(2), 36/37, 60, 61
	220-130-3

- O-4-cyanophenyl O-ethyl phenylphosphonothioate cyanofenphos (ISO)

CAS	013067-93-1
Index	015-110-00-4
Class'n	T: R25, 39/25 Xn: R21 Xi: R36
Label	T
	R21, 25, 36, 39/25
	S(1/2), 36/37, 45

- N-(4-(3-(4-cyanophenyl)ureido)-3-hydroxyphenyl)-2-(2,4-di-tert-pentylphenoxy)octanamide

CAS	108673-51-4
Index	616-028-00-7
Class'n	R43 R53
Label	Xi
	R43, 53
	S(2), 24, 37, 61
	403-790-9

- cyanophos (ISO)

O-4-cyanophenyl O, O-dimethyl phosphorothioate	
CAS	002636-26-2
Index	015-087-00-0
Class'n	Xn: R21/22 N: R50, 53
Label	Xn, N
	R21/22, 50/53
	S(2), 36/37, 60, 61
	220-130-3

- 2-cyanopropan-2-ol

2-hydroxy-2-methylpropionitrile acetone cyanohydrin	
CAS	000075-86-5
Index	608-004-00-X
Class'n	T+: R26/27/28 N: R50, 53
Label	T+, N
	R26/27/28, 50/53
	S(1/2), 7/9, 27, 45, 60, 61
	200-909-4

- 3-cyano-3,5,5-trimethylcyclohexanone

CAS	007027-11-4
Index	608-026-00-X
Class'n	Xn: R22, 48/22 R43 R52, 53
Label	Xn
	R22, 43, 48/22, 52/53
	S(2), 36/37, 61
	411-490-4

cyanthoate (ISO)

S-(N-(1-cyano-1-methylethyl)carbamoylmethyl) O,O-diethyl phosphorothioate
 CAS 003734-95-0
 Index 01 5-070-00-8
 Class'n T+: R28 T: R24
 Label T+
 R24, 28
 S(1/2), 36/37, 45
 223-099-4

cyanuric chloride

2,4,6-trichloro-1,3,5-triazine
 CAS 000108-77-0
 Index 613-009-00-5
 Class'n Xi: R36/37/38
 Label Xi
 R36/37/38
 S(2), 28
 203-614-9

4-cyclododecyl-2,6-dimethylmorpholine
dodemorph (ISO)

CAS 001593-77-7
 Index 613-057-00-7
 Class'n Xi: R36/37/38 N: R51, 53
 Label Xi, N
 R36/37/38, 51/53
 S(2), 26, 61
 216-474-9

● 2-cyclododecylpropan-1-ol

CAS 118562-73-5
 Index 603-159-00-X
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 411-410-8

cyclohexane

CAS 000110-82-7
 Index 601-017-00-1
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50, 53
 Label F, Xn, N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 33, 60, 61, 62
 203-806-2
 Conc Note 4

cyclohexane-1,2-dicarboxylic anhydride Note C

cis-cyclohexane-1,2-dicarboxylic anhydride
 trans-cyclohexane-1,2-dicarboxylic anhydride
 CAS 000085-42-7
 Index 607-102-00-X
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 23, 24, 26, 37/39
 201-604-9

cyclohexanol

CAS 000108-93-0
 Index 603-009-00-3
 Class'n Xn: R20/22 Xi: R37/38
 Label Xn
 R20/22, 37/38
 S(2), 24/25
 203-630-6
 Conc Conc >= 25% Xn: R20/22, 37/38
 Conc >= 20% and < 25% Xi: R37/38

cyclohexanone

CAS 000108-94-1
 Index 606-010-00-7
 Class'n R10 Xn: R20
 Label Xn
 R10, 20
 S(2), 25
 203-631-1
 Conc Conc >= 25% Xn: R20

cyclohexanone, peroxide Note C

CAS 012262-58-7
 Index 617-010-00-1 (see Part III)
 Class'n E: R2 Xn: R22 C: R34
 Label E, C
 R2, 22, 34
 S(1/2), 3/7, 14, 36/37/39, 45
 235-527-7
 Conc Conc >= 25% C: R22, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

■ cycloheximide Note E

CAS 000066-81-9
 Index 613-140-00-8
 Class'n MutaCat 3: R68 ReprCat 2: R61 T+: R28 N:
 R51, 53
 Label T+, N
 R61, 28, 51/53, 68
 S53, 45, 61
 200-636-0

cyclohexyl acrylate Note D

CAS 003066-71-5
 Index 607-116-00-6
 Class'n Xi: R37/38 N: R51, 53
 Label Xi, N
 R37/38, 51/53
 S(2), 61
 221-319-3
 Conc Conc >= 10% Xi: R37/38

cyclohexylamine

CAS 000108-91-8
 Index 612-050-00-6
 Class'n R10 Xn: R21/22 C: R34
 Label C
 R10, 21/22, 34
 S(1/2), 36/37/39, 45
 203-629-0
 Conc Conc >= 25% C: R21/22, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 2% and < 10% Xi: R36/38

N-cyclohexylbenzothiazole-2-sulphenamide

CAS 000095-33-0
 Index 613-136-00-6
 Class'n R43 N: R50, 53
 Label Xi, N
 R43,5 0/53
 S(2),24,37,60,61
 202-41 1-2

cyclohexyldimethoxymethylsilane

CAS 017865-32-6
 Index 014-01 1-00-3
 Class'n Xi: R38 N: R51, 53
 Label Xi, N
 R38,51/53
 S(2), 24,61
 402-140-1

3-cyclohexyl-6-dimethylamino-1-methyl-1,2,3,4-tetrahydro-1,3,5-triazine-2,4-dione

hexazinone
 CAS 051235-04-2
 Index 613-1 32-00-4
 Class'n Xn: R22 Xi: R36 N: R50, 53
 Label Xn, N
 R22,36,50/53
 S(2), 60, 61
 257-074-4

2-cyclohexyl-4,6-dinitrophenol

dinex
 CAS 000131-89-5
 Index 609-028-00-3
 Class'n T: R23/24/25 N: R50, 53
 Label T, N
 R23/24/25,50/53
 S(1/2),13,45,60,61
 205-042-5

cyclohexylidene hydroperoxide Note C

CAS 002699-1 1-8
 Index 617-010-00-1 (see Part III)
 Class'n E: R2 Xn: R22 C: R34
 Label E, C
 R2,22,34
 S(1/2),3/7, 14,36/37/39,45
 220-279-4
 Conc Conc >= 25% C: R22,34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

N-cyclohexyl-N-methoxy-2,5-dimethyl-3-fuide

furmecyclox
 CAS 060568-05-0
 Index 006-070-00-9
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R40,50/53
 S(2),36/37,60,61
 262-302-0

• mixture of
 3-cyclohexyl-1-(4-(4-(3-octadecylureido)beql)phenyl) urea

and
 3,3'-dicyclohexyl-1,1'-methylenebis(4,1-phenylene) diurea

and
 3,3'-dioctadecyl-1,1'-methylenebis(4,1-phenylene) diurea

Index 616-070-00-6 (see Part III)
 Class'n R53
 Label R53
 S22,61
 406-530-2

• **2-cyclohexylpropanal**

CAS 002109-22-0
 Index 605-029-00-8
 Class'n R43 N: R51, 53
 Label Xi, N
 R43,51/53
 S(2),24,37,61
 412-270-0

cyclooct-4-en-1-yl methyl carbonate

CAS 087731-18-8
 Index 006-071-00-4
 Class'n R43
 Label Xi
 R43
 S(2),24,37
 401-620-8

cyclopentane

CAS 000287-92-3
 Index 601-030-00-2
 Class'n F: R11 R52, 53
 Label F
 R11, 52/53
 S(2),9,16,29,33,61
 206-016-6

cyclopentane-1,2,3,4-tetracarboxylic dianhydride

CAS 006053-68-5
 Index 607-104-00-0
 Class'n Xi: R36/37
 Label Xi
 R36/37
 S(2),25
 227-964-7
 Conc Conc >= 1% Xi: R36/37

cyclopentanone

CAS 000120-92-3
 Index 606-025-00-9
 Class'n R10 Xi: R36/38
 Label Xi
 R10,36/38
 S(2),23
 204-435-9

● cyclopentyl chloroformate

CAS 050715-28-1
 Index 607-332-00-0
 Class'n R10 T: R23 Xn. R22,48/22 Xi: R41 R43
 Label T
 R10, 22, 23, 41, 43, 48/22
 S(1/2), 26, 36/37/39, 45
 411-460-0

cyclopropane

CAS 000075-19-4
 Index 601-016-00-6
 Class'n F+, R12
 Label F+
 R12
 S(2), 9, 16, 33
 200-847-8

1-cyclopropyl-6,7-difluoro-1,4-dihydro-4-oxoquinoline-3-carboxylic acid

CAS 093107-30-3
 Index 607-303-00-2
 Class'n ReprCat3: R62 R52, 53
 Label Xn
 R62, 52/53
 S(2), 22, 36/37, 61
 413-760-7

N-(cyclopropylmethyl) - a,a,a-trifluoro-2,6-dinitro-N-propyl-p-toluidine

profluralin (ISO)
 CAS 026399-36-0
 Index 613-059-00-8
 Class'n Xi: R36 N: R50, 53
 Label Xi, N
 R36, 50/53
 S(2), 60, 61
 247-656-6

● 5-cyclopropyl-1,2-oxazol-4-yl a,a,a-trifluoro-2-mesyl-p-tolyl ketone

isoxaflutole (ISO)
 CAS 141112-29-0
 Index 606-054-00-7
 Class'n Repr Cat 3: R63 N: R50, 53
 Label Xn, N
 R50/53, 63
 S(2), 36/37, 60, 61

cyfluthrin

a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

CAS 068359-37-5
 Index 607-253-00-1
 Class'n T+: R28 T: R23 N: R50, 53
 Label T+, N
 R23, 28, 50/53
 S(1/2), 36/37/39, 45, 60, 61
 269-855-7

cyhexatin (ISO)

hydroxytricyclohexylstannane
 tri(cyclohexyl)tin hydroxide
 CAS 013121-70-5
 Index 050-002-00-0
 Class'n Xn: R20/21/22 N: R50, 53
 Label Xn, N
 R20/21/22, 50/53
 S(2), 13, 60, 61
 236-049-1

cymoxanil

2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide
 CAS 057966-95-7
 Index 616-035-00-5
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 36/37, 60, 61
 261-043-0

cyproconazole (ISO)

(2RS,3RS;2RS,3SR)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol
 CAS 094361-06-5
 Index 650-032-00-X
 Class'n Repr Cat 3: R63 Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53, 63
 S(2), 36/37, 60, 61

cyprofuram

N-(3-chlorophenyl)-N-(tetrahydro-2-oxo-3-furyl)cyclopropanecarboxamide
 CAS 069581-33-5
 Index 616-033-00-4
 Class'n T: R25 Xn: R21 N: R50, 53
 Label T, N
 R21, 25, 50/53
 S(1/2), 36/37, 60, 61
 274-050-9

■ 2,4-D (ISO)

2,4-dichlorophenoxyacetic acid
 CAS 000094-75-7
 Index 607-039-00-8
 Class'n Xn: R22 Xi: R37,41 R43 R52, 53
 Label Xn
 R22, 37, 41, 43, 52/53
 S(2), 24/25, 26, 36/37/39, 46, 61
 202-361-1

dalapon

2,2-dichloropropionic acid
 CAS 000075-99-0
 Index 607-162-00-7
 Class'n Xn: R22 Xi: R38, 41 R52, 53
 Label Xn
 R22, 38, 41, 52/53
 S(2), 26, 39, 61
 200-923-0



daminozide

N-dimethylaminosuccinamic acid
 CAS 001596-84-5
 Index 607-171-00-6
 Class'n Carc Cat 3: R40
 Label Xn
 R40
 S(2),36/37
 216-485-9

dapsone

4,4'-diamino diphenyl sulfone
 CAS 000080-08-0
 Index 612-084-00-1
 Class'n Xn: 22
 Label Xn
 R22
 S(2),22
 201-248-4

dazomet (ISO)

tetrahydro-3,S-dimethyl-,3,S-thiadiazine-2-thione
 CAS 000533-74-4
 Index 613-008-00-X
 Class'n Xn:R22 Xi:R36 N:R50,53
 Label XnN
 R22, 36,50/53
 S(2), 15, 22, 24,60, 61
 208-576-7

2,4-DB (ISO)

4-(2,4-dichlorophenoxy)butyric acid
 CAS 000094-82-6
 Index 607-083-00-8
 Class'n Xn:R22 N:R51,53
 Label Xn, N
 R22,51/53
 S(2), 25, 29,46, 61
 202-366-9

DBP

dibutylphthalate
 CAS 000084-74-2
 Index 607-318-00-4
 Class'n ReprCat2: R61 ReprCat3: R62 N: R50
 Label TN
 R61,50,62
 S53,45,61
 201-557-4

2,4-DB, salts of Note A

Index 607-084-00-3
 Class'n Xn: R22 Xi: R41 N: R51, 53
 Label Xn, N
 R22,41,51/53
 S(2), 26,29, 39,46, 61

DDT (common name not adopted by ISO)

clofenotane(INN)
 dicophane
 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane
 dichlorodiphenyltrichloroethane
 CAS 000050-29-3
 Index 602-045-00-7
 Class'n T: R25, 48/25 Carc Cat 3: R40 N: R50, 53
 Label T,N
 R25,40,48/25,50/53
 S(1/2), 22,36/37,45,60,61
 200-024-3

decachloropentacyclo [5,2,1,0.2.6,0.3.9,0.5.8]decan-4-one chlordecone (ISO)

perchloropentacyclo[5,3,0,0.2.6,0.3.9,0.4.8]decan-S-one
 CAS 000143-50-0
 Index 606-019-00-6
 Class'n Carc Cat 3: R40 T: R24/25 N: R50, 53
 Label TN
 R24/25,40,50/53
 S(1/2), 22,36/37,45, 60, 61
 205-601-3

decarbohn

2,3-dihydro-2-methylbenzofuran-7-yl methylcarbamate
 CAS 001563-67-3
 Index 006-022-00-7
 Class'n T:R23/24/25
 Label T
 R23/24/25
 S(1/2), 13,36/37,45

2-(decylthio) ethylammonium chloride

CAS 036362-09-1
 Index 007-024-00-0
 Class'n Xn:R48/22 Xi:R38,41 N:R50,53
 Label Xn,N
 R38,41,48/22,50/53
 S(2), 26,36/37/39, 60, 61
 405-640-8

deet

N,N-diethyl I-m-toluamide
 CAS 000134-62-3
 Index 616-018-00-2
 Class'n Xn:R22 Xi:R36/38 R52,53
 Label Xn
 R22,36/38,52/53
 S(2),61
 205-149-7

DEHP

bis(2-ethylhexyl)phthalate
 di-(2-ethylhexyl) phthalate
 CAS 000117-81-7
 Index 607-317-00-9
 Class'n ReprCat2: R60, 61
 Label T
 R60,61
 S53,45
 204-211-0

dehydracetic acid

3-acetyl-6-methyl-2H-pyran-2,4(3H)-dione
 CAS 000520-45-6
 Index 607-163-00-2
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 208-293-9

● deltamethrin (ISO)

(S)-*a*-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate
 CAS 052918-63-5
 Index 607-319-00-X
 Class'n T: R23/25 N: R50, 53
 Label T, N
 R23/25, 50/53
 S(1/2), 24, 28, 36/37/39 38, 45, 60, 61
 258-256-6

demeption-O(ISO)

O,O-dimethyl O-2-methylthioethyl phosphorothioate
 CAS 000682-80-4
 Index 015-116-00-7
 Class'n T+: R28 T: R24
 Label T+
 R24,28
 S(1/2), 28, 36/37, 45
 211-666-9

demeption-S (ISO)

O,O-dimethyl S-2-methylthioethyl phosphorothioate
 CAS 002587-90-8
 Index 015-117-00-2
 Class'n T+: R28 T: R24
 Label T+
 R24,28
 S(1/2), 28, 36/37, 45
 219-971-9

demeton

CAS 008065-48-3
 Index 015-118-00-8
 Class'n T+, R27/28 N: R50
 Label T+, N
 R27/28, 50
 S(1/2), 28, 36/37, 45, 61

demeton-S-methylsulphon

S-2-ethylsulphonylethyl dimethyl phosphorothioate
 CAS 017040-19-6
 Index 015-078-00-1
 Class'n T: R25 Xn: R21
 Label T
 R21, 25
 S(1/2), 22, 28, 36/37, 45
 241-109-5

demeton-O (ISO)

O,O-diethyl-O-2-ethylthioethyl phosphorothioate
 CAS 000298-03-3
 Index 015-028-00-9
 Class'n T+: R27/28 N: R50
 Label T+, N
 R27/28, 50
 S(1/2), 28, 36/37, 45, 61
 206-053-8

demeton-O-methyl (ISO)

O-2-ethylthioethyl O,O-dimethyl phosphorothioate
 CAS 000867-27-6
 Index 015-030-00-X
 Class'n T: R25
 Label T
 R25
 S(1/2), 24, 36/37, 45
 212-758-1

demeton-S (ISO)

diethyl-S-2-ethylthioethylphosphorothioate
 CAS 000126-75-0
 Index 015-029-00-4
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 28, 36/37, 45
 204-801-8

demeton-S-methyl (ISO)

S-2-ethylthioethyl dimethyl phosphorothioate
 CAS 000919-86-8
 Index 015-031-00-5
 Class'n T: R24/25 N: R51, 53
 Label T, N
 R24/25, 51/53
 S(1/2), 28, 36/37, 45, 61
 213-052-6

mixture of

1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol
 {3 parts of}

and

1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol {1 part of}

Index 603-131-00-7 (see Part III)
 Class'n Xi: R41
 Label Xi
 R41
 S(2), 26, 39
 407-290-1

mixture of

1-deoxy-1-[methyl-(1-oxohexadecyl)amino]-D-glucitol

and

1-deoxy-1-[methyl-(1-oxooctadecyl)amino]-D-glucitol

Index 603-137-00-X (see Part III)
 Class'n Xi: R41
 Label Xi
 R41
 S(2), 26, 39
 411-130-6

mixture of

1 -deoxy- 1 -[methyl-(1 -oxooctadecyl) amino]-D-glucitol
and
1 -deoxy- 1 -[methyl-(1-oxohexadecyl) amino]-D-
glucitol

Index 603-137-00-X (see Part III)
Class'n Xi: R41
Label Xi
R41
S(2),26,39
411-130-6

mixture of

1 -deoxy-1-[methyl-(1-oxotetradecyl) amino]-D-
glucitol { 1 part of)
and
1-deoxy-1-[methyl-(1-oxododecyl) amino]-D-glucitol
{ 3 Parts of)

Index 603-131-00-7 (see Part III)
Class'n Xi: R41
Label Xi
R41
S(2),26,39
407-290-1

• 1-(2-deoxy-5-O-trityl- β-D-threopentofuranosyl)thymine

CAS 055612-11-8
Index 61 6-072-00-7
Class'n R53
Label R53
S61
407-120-6

2,4-DES

disul
2-(2,4-dichlorophenoxy) ethyl hydrogensulphate

CAS 000149-26-8
Index 01 6-025-00-5
Class'n Xn: R22 Xi: R38, 41
Label Xn
R22,38,41
S(2), 26
205-259-5

desmetryne (ISO)

6-isopropylamino-2-methylamino-emetbylthio-1,3,5-triazine

CAS 001 01 4-69-3
Index 613-007-00-4
Class'n Xn: R21/22 N: R50, 53
Label Xn, N
R21/22,50/53
S(2),36/37, 60,61
213-800-1

• 2,4-D, esters of Note A

Index 607-308-00-X
Class'n Xn: R22 R43 N: R50, 53
Label Xn, N
R22,43,50/53
S(2),26,29,36/37,46,60,61

diacetone alcohol

4-hydroxy-4-methylpentan-2-one

CAS 000123-42-2
Index 603-01 6-00-1
Class'n Xi: R36
Label Xi
R36
S(2), 24/25
204-626-7
Conc Conc >= 10% Xi: R36

N,N-diacetylbenzidine

CAS 000613-35-4
Index 612-044-00-3
Class'n Xn: R20/21/22
Label Xn
R20/21/22
S(2), 22,36
210-338-2

dialifos (ISO)

2-chloro-1-phthalAidoethylO,O-diethyl phosphorodithioate

CAS 010311-84-9
Index 015-088-00-6
Class'n T+: R28 T: R24 N: R50, 53
Label T+, N
R24,28,50/53
S(1/2),28,36/37,45,60,61
233-689-3

di-allate.(ISO)

S-(2,3-dichloroallyl)-N,N-diisopropylthiocarbamate

CAS 002303-16-4
Index 006-01 9-00-0
Class'n Carc Cat 3: R40 Xn: R22 N: R50, 53
Label Xn, N
R22,40,50/53
S(2),25,36/37,60,61
218-961-1

■ N,N-diallylchloroacetamide

allidochlor (ISO)

CAS 000093-71-0
Index 616-004-00-6
Class'n Xn: R21/22 Xi: R36/38 N: R51,53
Label Xn, N
R21/22,36/38,51/53
S(2),26,28,36/37/39,61
202-270-7

diallyl phthalate

CAS 000131-17-9
Index 607-086-00-4
Class'n Xn: R22 N: R50, 53
Label Xn, N
R22,50/53
S(2) 24/25, 60.61
205-016-3
Conc Conc >= 25% Xn: R22

● 2,2'-diallyl-4,4'-sulfonyldiphenol

CAS 041481-66-7
 Index 016-075-00-8
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61
 411-570-9

4,4'-diaminobiphenyl Note E

benzidine
 1,1'-biphenyl-4,4'-diamine
 biphenyl-4,4'-ylenediamine
 CAS 000092-87-5
 Index 612-042-00-2
 Class'n Carc Cat 1: R45 Xn: R22 N: R50, 53
 Label T, N
 R45, 22, 50/53
 S53, 45, 60, 61
 202-199-1
 Conc Conc >= 25% T: R45, 22
 Conc >= 0.01% and < 25% T: R45

1,4-diamino-2-(2-butyltetrazol-5-yl)-3-cyanoanthraquinone

CAS 093686-63-6
 Index 613-141-00-3
 Class'n R53
 Label R53
 S61
 401-470-3

2,6-diamino-3,5-diethyltoluene Note C

CAS 002095-01-4
 Index 612-130-00-0 (see Part III)
 Class'n Xn: R21/22, 48/22 Xi: R36 N: R50, 53
 Label Xn, N
 R21/22, 36, 48/22, 50/53
 S(2), 26, 28, 36/37/39, 60, 61
 218-255-3

2,4-diamino-3,5-diethyltoluene Note C

CAS 002095-02-5
 Index 612-130-00-0 (see Part III)
 Class'n Xn: R21/22, 48/22 Xi: R36 N: R50, 53
 Label Xn, N
 R21/22, 36, 48/22, 50/53
 S(2), 26, 28, 36/37/39, 60, 61
 218-256-9

■ 4,4'-diaminodiphenylmethane Note E

4,4'-methylenedianiline
 CAS 000101-77-9
 Index 612-051-00-1
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 T:
 R39/23/24/25 Xn: R48/20/21/22 R43 N: R51,
 53
 Label T, N
 R45, 39/23/24/25, 43, 48/20/21/22, 51/53
 S53, 45, 61
 202-974-4

4,4'-diamino diphenyl sulfone

dapsone
 CAS 000080-08-0
 Index 612-084-00-1
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 22
 201-248-4

1,2-diaminoethane

ethylenediamine
 CAS 000107-15-3
 Index 612-006-00-6
 Class'n R10 Xn: R21/22 C: R34 R42/43
 Label C
 R10, 21/22, 34, 42/43
 S(1/2), 23, 26, 36/37/39, 45
 203-468-6
 Conc Conc >= 25% C: R21/22, 34, 42/43
 Conc >= 10% and < 25% C: R34, 42/43
 Conc >= 2% and < 10% Xn: R36/38, 42/43
 Conc >= 1% and < 2% Xn: R42/43

2,4-diamino-5-methoxymethylpyrimidine

CAS 054236-98-5
 Index 613-157-00-0
 Class'n Xn: R22, 48/22 Xi: R36
 Label Xn
 R22, 36, 48/22
 S(2), 22, 26, 36
 410-330-0

4,4'-diamino-2-methylazobenzene

CAS 043151-99-1
 Index 611-046-00-1
 Class'n T: R25 Xn: R48/22 R43 N: R50, 53
 Label T, N
 R25, 43, 48/22, 50/53
 S(1/2), 22, 28, 36/37, 45, 60, 61
 407-590-2

3-(2-(diaminomethyleneamino)thiazol-4-ylmethylthio)
propionitrile

CAS 076823-93-3
 Index 608-021-00-2
 Class'n Xn: R22 R52, 53
 Label Xn
 R22, 52/53
 S(2), 22, 61
 403-710-2

diaminotoluene Note E

CAS 025376-45-8
 Index 612-151-00-5
 Class'n Carc Cat 2: R45 T: R25 Xn: R20/21 Xi: R36
 R43 N: R51, 53
 Label T, N
 R45, 20/21, 25, 36, 43, 51/53
 S53, 45, 61
 246-910-3

S-(4,idi-amino-1,3,5-triazin-2-ylmethyl) OO-dimethyl

phosphorodithioate

menazon

CAS 000078-57-9

Index 015-053-00-5

Class'n Xn: R22 R: 52, 53

Label Xn

R22,52/53

S(2),61

201 -123-4

diamminediisocyanatozinc

Index 030-005-00-3

Class'n Xn: R22 Xi: R41 R42/43 N: R50

Label Xn,N

R22, 41, 42/43, 50

S(2), 22, 26, 36/37/39, 41,61

401 -61 0-3

diammonium hexachloroplatinate

CAS 016919-58-7

Index 078-008-00-9

Class'n T: R25 Xi: R41 R42/43

Label T

R25, 41, 42/43

S(1/2), 22, 26, 36/37/39, 45

240-973-0

diammonium peroxodisulphate

ammoniumpersulphate

CAS 007727-54-0

Index 016-060-00-6

Class'n O: R8 Xn: R22 Xi: R36/37/38 R42/43

Label O, Xn

R8, 22, 36/37/38, 42/43

S(2), 22, 24, 26,37

231 -786-5

diammonium tetrachloroplatinate

CAS 013820-41-2

Index 078-002-00-6

Class'n T: R25 Xi: R38, 41 R42/43

Label T

R25, 38, 41, 42/43

S(2), 22,26, 36/37/39, 45

237-499-1

o-dianisidine Note E

3,3'-dimethoxybenzidine

CAS 000119-90-4

Index 612-036-00-X

Class'n Carc Cat 2: R45 Xn: R22

Label T

R45, 22

S53, 45

204-355-4

o-dianisidine based azo dyes Notes A and H

4,4'-diaryldazo-3,3'-dimethoxybiphenyl dyes with the exception of those mentioned elsewhere in the Approved Supply List

Index 61 1-029-00-9

Class'n Carc Cat 2: R45

Label T

R45

S53, 45

o-dianisidine, salts of Notes A and E

3,3'-dimethoxybenzidine, salts of

Index 612-037-00-5

Class'n Carc Cat 2: R45 Xn: R22

Label T

R45,22

S53,45

diarsenic pentaoxide Note E

arsenic pentoxide

arsenic oxide

CAS 001303-28-2

Index 033-004-00-6

Class'n Carc Cat 1: R45 T: R23/25 N: R50,53

Label T,N

R45, 23/25, 50/53

S53, 45, 60, 61

215-116-9

diarsenic trioxide Note E

arsenic trioxide

CAS 001327-53-3

Index 033-003-00-0

Class'n Carc Cat 1: R45 T+: R28 C: R34 N: R50,53

Label T+,N

R45, 28, 34, 50/53

S53, 45, 60, 61

215-481 -4

4,4'-diaryldazobiphenyl dyes, with the exception of those specified elsewhere in the Approved Supply List Note A

benzidine based azo dyes

Index 61 1-024-00-1

Class'n Carc Cat 2: R45

Label T

R45

S45,53

4,4'-diaryldazo-3,3'-dimethoxybiphenyl dyes with the exception of those mentioned elsewhere in the Approved Supply List Notes A and H

o-dianisidine based azo dyes

Index 61 1-029-00-9

Class'n Carc Cat 2: R45

Label T

R45

S53, 45

4,4'-diaryldazo-3,3'-dimethylbiphenyl dyes, with the exception of those mentioned elsewhere in the Approved Supply List Notes A and H

o-tolidine based dyes

Index 61 1-030-00-4

Class'n Carc Cat 2: R45

Label T

R45

S53, 45

- 4 diastereoisomers of 2,7-dimethyl-10-(1-methylethyl)-1-oxaspiro[4.5]deca-3,6-diene; mixture of

Index	603-158-00-4
Class'n	Xi: R38 N: R51, 53
Label	Xi, N R38, 51/53 S(2), 37, 61 412-460-3

3,6-diazaoctanethylenediamin

triethylenetetramine

CAS	000112-24-3
Index	612-059-00-5
Class'n	Xn: R21 C: R34 R43 R52, 53
Label	C R21, 34, 43, 52/53 S(1/2), 26, 36/37/39, 45, 61 203-950-6

Conc	Conc >= 25% C: R21, 34, 43 Conc >= 10% and < 25% C: R34, 43 Conc >= 5% and < 10% Xi: R36/38, 43 Conc >= 1% and < 5% Xi: R43
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diazinon (ISO)

O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate

CAS	000333-41-5
Index	015-040-00-4
Class'n	Xn: R22 N: R50, 53
Label	Xn, N R22, 50/53 S(2), 24/25, 60, 61 206-373-8

diazomethane

CAS	000334-88-3
Index	006-068-00-8
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 206-382-7

dibenz[a,h]anthracene

CAS	000053-70-3
Index	601-041-00-2
Class'n	Carc Cat2: R45 N: R50, 53
Label	T, N R45, 50/53 S53, 45, 60, 61 200-181-8
Conc	Conc >= 0.01% T: R45

di(benzothiazol-2-yl) disulphide

CAS	000120-78-5
Index	613-135-00-0
Class'n	R31 R43 N: R50, 53
Label	Xi, N R31, 43, 50/53 S(2), 36/37, 60, 61 204-424-9

dibenzoyl peroxide

benzoyl peroxide

CAS	000094-36-0
Index	617-008-00-0
Class'n	E: R2 Xi: R36 R43
Label	E, Xi R2, 36, 43 S(2), 3/7, 14, 36/37/39 202-327-6

- mixture of
 - dibenzylbenzene isomers
 and
 - dibenzyl(methyl)benzene isomers
 and
 - dibenzyl(dimethyl)benzene isomers
 and
 - dibenzyl(trimethyl)benzene isomers

Index	601-054-00-3 (see Part III)
Class'n	N: R50, 53
Label	N R50/53 S60, 61 405-570-8

- mixture of
 - dibenzyl(dimethyl)benzene isomers
 and
 - dibenzylbenzene isomers
 and
 - dibenzyl(methyl)benzene isomers
 and
 - dibenzyl(trimethyl)benzene isomers

Index	601-054-00-3 (see Part III)
Class'n	N: R50, 53
Label	N R50/53 S60, 61 405-570-8

- mixture of
 - dibenzyl(methyl)benzene isomers
 and
 - dibenzylbenzene isomers
 and
 - dibenzyl(dimethyl)benzene isomers
 and
 - dibenzyl(trimethyl)benzene isomers

Index	601-054-00-3 (see Part III)
Class'n	N: R50, 53
Label	N R50/53 S60, 61 405-570-8

- mixture of
dibenzyl(trimethyl)benzene isomers
- and
dibenzylbenzene isomers
- and
dibenzyl(methyl)benzene isomers
- and
dibenzyl(dimethyl)benzene isomers

Index 601-054-00-3 (see Part 111)
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 405-570-8

1,2-dibromo-3-chloropropane Note E

CAS 000096-12-8
 Index 602-021-00-6
 Class'n Carc Cat 2: R45 Muta Cat 2: R46 Repr Cat 1:
 R60 T: R25 Xn: R48/20/22 R52, 53
 Label T
 R45, 46, 60, 25, 48/20/22, 52/53
 S53, 45 61
 202-479-3

2,6-dibromo-4-cyanophenyl octanoate

bromoxynil octanoate (ISO)
 CAS 001689-99-2
 Index 608-017-00-0
 Class'n Repr Cat 3: R63 Xn: R21/22 N: R50, 53
 Label Xn, N
 R21/22, 50/53, 63
 S(2), 36/37, 60, 61
 216-885-3

1,2-dibromo-2,2-dichloroethyl dimethyl phosphate nated(ISO)

CAS 000300-76-5
 Index 015-055-00-6
 Class'n Xn: R21/22 Xi: R36/38
 Label Xn
 R21/22, 36/38
 S(2), 36/37
 206-098-3

1,2-dibromoethane Note E

CAS 000106-93-4
 Index 602-010-00-6
 Class'n Carc Cat 2: R45 T: R23/24/25 XI: R36/37/38
 N: R51, 53
 Label T, N
 R45, 23/24/25, 36/37/38, 51/53
 S53, 45, 61
 203-444-5

Conc Conc >= 20% T: R45, 23/24/25, 36/37/38
 Conc >= 1% and < 20% T: R45, 23/24/25
 Conc >= 0.1% and < 1% T: R45, 20/21/22

3,5-dibromo-4-hydroxybenzaldehyde-O-(2,4- dinitrophenyl)-oxime

bromofenoxim (ISO)
 CAS 013181-17-4
 Index 609-032-00-5
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 25, 60, 61
 236-129-6

3,5-dibromo-4-hydroxybenzonitrile bromoxynil (ISO)

CAS 001689-84-5
 Index 608-006-00-0
 Class'n Repr Cat 3: R63 T R25
 Label T
 R25, 63
 S(1/2), 36/37, 45
 216-882-7

dibromomethane

CAS 000074-95-3
 Index 602-003-00-8
 Class'n Xn: R20 R52, 53
 Label Xn
 R20, 52/53
 S(2), 24, 61
 200-824-2
 Conc Conc >= 12.5% Xn: R20

2,2-dibromo-2-nitroethanol

CAS 069094-18-4
 Index 609-056-00-6
 Class'n E: R2 Carc Cat 3: R40 Xn: R22, 48/22 C:
 R35 R43 N: R50, 53
 Label E, C, N
 R2, 22, 35, 40, 43, 48/22, 50/53
 S(1/2), 23, 26, 35, 36/37/39, 45, 60, 61
 412-380-9
 Conc Conc >= 10% C: R22, 35, 40, 43, 48/22
 Conc >= 5% and < 10% C: R34, 40, 43
 Conc >= 1% and < 5% Xn: R36/37/38, 40, 43

1,3-dibromopropane and N,N-diethyl-N',N'-dimethyl-1,3- propanediamine; polymer of

CAS 143747-73-3
 Index 612-176-00-1
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 410-570-6

2,3-dibromo-1-propanol Note E

2,3-dibromopropan-1-ol
 CAS 000096-13-9
 Index 602-088-00-1
 Class'n Carc Cat 2: R45 Repr Cat 3: R62 T: R24 Xn:
 R20/22 R52, 53
 Label T
 R45, 20/22, 24, 52/53, 62
 S53, 45, 61
 202-480-9

- 2,3-dibromopropan-1-ol Note E

2,3-dibromo-1-propanol
 CAS 000096-13-9
 Index 602-088-00-1
 Class'n Carc Cat 2: R45 Repr Cat 3: R62 T: R24 Xn:
 R20/22 R52,53
 Label T
 R45,20/22,24,52/53,62
 S53,45,61
 202-480-9

- 2,5-dibutoxy-4-(morpholin-4-yl)benzenediazonium 4-methylbenzenesulfonate

CAS 093672-52-7
 Index 611-090-00-1
 Class'n F: R11 Xn: R22 XI: R41 R43 R52,53
 Label F, Xn
 R11,22,41,43,52/53
 S(2),12,22,24,26,37/39,47,61
 413-290-2

di-n-butylamine

CAS 000111-92-2
 Index 612-049-00-0 (see Part III)
 Class'n R10 Xn: R20/21/22
 Label Xn
 R10, 20/21/22
 S(2)
 203-921-8

4-(N,N-di butylamino)-2-hydroxy-2'-carboxybenzophenone

CAS 054574-82-2
 Index 606-052-00-6
 Class'n R52,53
 Label R52/53
 S61
 410-410-5

dibutyl ether

di-n-butyl ether
 CAS 000142-96-1
 Index 603-054-00-9
 Class'n R10 Xi: R36/37/38
 Label Xi
 R10, 36/37/38
 S(2)
 205-575-3
 Conc Conc >= 10% Xi: R36/37/38

di-n-butyl ether

dibutylether
 CAS 000142-96-1
 Index 603-054-00-9
 Class'n R10 Xi: R36/37/38
 Label Xi
 R10,36/37/38
 S(2)
 205-575-3
 Conc Conc >= 10% Xi: R36/37/38

- dibutyl phthalate

DBP
 CAS 000084-74-2
 Index 607-318-00-4
 Class'n Repr Cat 2: R61 Repr Cat 3: R62 N: R50
 Label T, N
 R61,50,62
 S53,45,61
 201-557-4

dibutyltin hydrogen borate

CAS 075113-37-0
 Index 005-006-00-7
 Class'n T: R48/25 Xn: R21/22 Xi: R41 R43 N: R50,
 53
 Label T, N
 R21/22,41,43,48/25,50/53
 S(1/2),22,26,36/37,45,60,61
 401-040-5

dicamba (ISO)

2,5-dichloro-6-methoxybenzoic acid
 3,6-dichloro-2-methoxybenzoic acid
 CAS 001918-00-9
 Index 607-043-00-X
 Class'n Xn: R22 Xi: R41 R52,53
 Label Xn
 R22,41,52/53
 S(2),26,61
 217-635-6

- mixture of

5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonaphthalen-2-ylazo]-isophthalic acid

and

sodium 5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalate

and

ammonium 5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalate

Index 611-060-00-8 (see Part III)
 Class'n Xi: R41 R43 R52,53
 Label Xi
 R41, 43,52/53
 S(2), 22, 24, 26, 37/39,61
 413-180-4

dichlobenil (ISO)

2,6-dichlorobenzonitrile
 CAS 001194-65-6
 Index 608-015-00-X
 Class'n Xn: R21 N: R51,53
 Label Xn, N
 R21,51/53
 S(2),36/37,61
 214-787-5

dichlofenthion (ISO)

O-2,4-dichlorophenyl O,O-diethyl phosphorothioate
 CAS 000097-17-6
 Index 015-068-00-7
 Class'n Xn: R22 N: R50,53
 Label Xn,N
 R22,50/53
 S(2), 60, 61
 202-564-5

3,6-dichloro-o-anisic acid, compound with 2-aminoethanol (1:1)

CAS 053404-28-7
 Index 607-243-00-7 (see Part III)
 Class'n R52,53
 Label R52/53
 S61
 258-527-9

dichlofluamid (ISO)

N-dichlorofluoromethylthio-N',N'-dimethyl-N-phenylsulphamide
 CAS 001085-98-9
 Index 616-006-00-7
 Class'n Xn: R20 Xi: R36 R43 N: R50,53
 Label Xn,N
 R20, 36, 43, 50/53
 S(2), 24, 37, 60, 61
 214-118-7

3,6-dichloro-o-anisic acid, compound with dimethylamine (1:1)

potassium 3,6-dichloro-o-anisate
 CAS 002300-66-5
 Index 607-044-00-5
 Class'n Xi: R36 R52,53
 Label Xi
 R36, 52/53
 S(2), 26, 61
 218-951-7

dichlone (ISO)

2,3-dichloro-1,4-naphthoquinone
 CAS 000117-80-6
 Index 606-018-00-0
 Class'n Xn: R22 Xi: R36/38 N: R50,53
 Label Xn,N
 R22, 36/38, 50/53
 S(2), 26, 60, 61
 204-210-5

3,6-dichloro-o-anisic acid, compound with 2,2'-iminodiethanol (1:1)

CAS 025059-78-3
 Index 607-243-00-7 (see Part III)
 Class'n R52,53
 Label R52/53
 S61
 246-590-5

dichloroacetic acid

CAS 000079-43-6
 Index 607-066-00-5
 Class'n C: R35 N: R50
 Label C,N
 R35, 50
 S(1/2), 26, 45, 61
 201-207-0

o-dichlorobenzene

1,2-dichlorobenzene
 CAS 000095-50-1
 Index 602-034-00-7
 Class'n Xn: R22 Xi: R36/37/38 N: R50,53
 Label Xn,N
 R22, 36/37/38, 50/53
 S(2), 23, 60, 61
 202-425-9
 Conc Conc >= 20% Xn: R22, 36/37/38
 Conc >= 5% and < 20% Xn: R22

dichloroacetyl chloride

CAS 000079-36-7
 Index 607-067-00-0
 Class'n C: R35 N: R50
 Label C,N
 R35, 50
 S(1/2), 9, 26, 45, 61
 201-199-9

1,2-dichlorobenzene

0-dichlorobenzene
 CAS 000095-50-1
 Index 602-034-00-7
 Class'n Xn: R22 Xi: R36/37/38 N: R50,53
 Label Xn,N
 R22, 36/37/38, 50/53
 S(2), 23, 60, 61
 202-425-9
 Conc Conc >= 20% Xn: R22, 36/37/38
 Conc >= 5% and < 20% Xn: R22

dichloroacetylene

CAS 007572-29-4
 Index 602-069-00-8
 Class'n E: R2 Carc Cat3: R40 Xn: R48/20,
 Label E, Xn
 R2, 40, 48/20
 S(2), 36/37

1,4-dichlorobenzene

p-dichlorobenzene
 CAS 000106-46-7
 Index 602-035-00-2
 Class'n Xi: R36 N: R50,53
 Label Xi,N
 R36,50/53
 S(2), 24/25, 46, 60, 61
 203-400-5

S-(2,3-dichloroallyl)-N,N-diisopropylthiocarbamate di-allate (ISO)

CAS 002303-16-4
 Index 006-019-00-0
 Class'n Carc Cat3: R40 Xn: R22 N: R50,53
 Label Xn,N
 R22, 40, 50/53
 S(2), 25, 36/37, 60, 61
 218-961-1

p-dichlorobenzene

1,4-dichlorobenzene
 CAS 000106-46-7
 Index 602-035-00-2
 Class'n Xi: R36 N: R50, 53
 Label Xi, N
 R36,50/53
 S(2), 24/25, 46, 60, 61
 203-400-5

1,3-dichlorobenzene

CAS 000541-73-1
 Index 602-067-00-7
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22,51/53
 S(2), 61
 208-792-1

3,3'-dichlorobenzidine Note E

3,3'-dichlorobiphenyl-4,4'-ylenediamine
 CAS 000091-94-1
 Index 612-068-00-4
 Class'n Carc Cat 2: R45 Xn: R21 R43 N: R50, 53
 Label T, N
 R45,21,43,50/53
 S53,45,60,61
 202-109-0

3,3'-dichlorobenzidine, dihydrochloride salts of Notes A and E

3,3'-dichlorobenzidine, sulphate (1:2) salts of
 3,3'-dichlorobenzidine, sulphate salts of
 3,3'-dichlorophenyl-4,4'-ylenediamine, dihydrochloride salts of
 3,3'-dichlorophenyl-4,4'-ylenediamine, sulphate (1:2) salts of
 3,3'-dichlorophenyl-4,4'-ylenediamine, sulphate salts of
 CAS 000612-83-9
 Index 612-069-00-X
 Class'n Carc Cat 2: R45 Xn: R21 R43 N: R50, 53
 Label T, N
 R45,21,43,50/53
 S53,45,60,61
 210-323-0

3,3'-dichlorobenzidine, sulphate (1:2) salts of Notes A and E

3,3'-dichlorobenzidine, dihydrochloride salts of
 3,3'-dichlorobenzidine, sulphate salts of
 3,3'-dichlorophenyl-4,4'-ylenediamine, dihydrochloride salts of
 3,3'-dichlorophenyl-4,4'-ylenediamine, sulphate (1:2) salts of
 3,3'-dichlorophenyl-4,4'-ylenediamine, sulphate salts of
 CAS 064969-34-2
 Index 612-069-00-X
 Class'n Carc Cat 2: R45 Xn: R21 R43 N: R50, 53
 Label T, N
 R45,21,43,50/53
 S53,45,60,61
 265-293-1

3,3'-dichlorobenzidine, sulphate salts of Notes A and E

3,3'-dichlorobenzidine, dihydrochloride salts of
 3,3'-dichlorobenzidine, sulphate (1:2) salts of
 3,3'-dichlorophenyl-4,4'-ylenediamine, dihydrochloride salts of
 3,3'-dichlorophenyl-4,4'-ylenediamine, sulphate (1:2) salts of
 3,3'-dichlorophenyl-4,4'-ylenediamine, sulphate salts of
 CAS 074332-73-3
 Index 612-069-00-X
 Class'n Carc Cat 2: R45 Xn: R21 R43 N: R50, 53
 Label T, N
 R45,21,43,50/53
 S53,45,60,61
 277-822-3

2,6-dichlorobenzonitrile

dichlohenil (ISO)
 CAS 001194-65-6
 Index 608-015-00-X
 Class'n Xn: R21 N: R51, 53
 Label Xn, N
 R21,51/53
 S(2),36/37,61
 214-787-5

2-(4-(5,6(or 6,7)-dichloro-1,3-benzothiazol-2-ylazo)-N-methyl-m-toluidino)ethyl acetate

Index 611-036-00-7
 Class'n R43
 Label Xi
 R43
 S(2),22,24,37
 405-440-0

3,3'-dichlorobiphenyl-4,4'-ylenediamine Note E

3,3'-dichlorobenzidine
 CAS 000091-94-1
 Index 612-068-00-4
 Class'n Carc Cat 2: R45 Xn: R21 R43 N: R50, 53
 Label T, N
 R45,21,43,50/53
 S53,45,60,61
 202-109-0

1,4-dichlorobut-2-ene Note E

CAS 000764-41-0
 Index 602-073-00-X
 Class'n Carc Cat 2: R45 T+: R26 T: R24/25 C: R34
 N: R50, 53
 Label T+, N
 R45,24/25,26,34,50/53
 S53,45,60,61
 212-121-8
 Conc Conc >= 25% T+: R45,24/25,26,34
 Conc >= 10% and < 25% T+: R45,21/22,26,34
 Conc >= 7% and < 10% T+: R45,21/22,26,
 36/37/38
 Conc >= 5% and < 7% T: R45,21/22,23,
 36/37/38
 Conc >= 3% and < 5% T: R45,21/22,23
 Conc >= 1% and < 3% T: R45,20
 Conc >= 0.1% and < 1% T: R45,20
 Conc >= 0.01% and < 0.1% T: R45



dichloro(dichlorophenyl)methyl methylbenzene, mixed isomers

(dichlorophenyl)(dichlorotolyl)methane, mixed isomers (IUPAC)
 CAS 076253-60-6
 Index 602-072-00-4
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 278-404-3

3,5-dichloro-2,4-difluorobenzoyl fluoride

CAS 101513-70-6
 Index 607-181-00-0
 Class'n T: R23 C: R34 Xn: R22 R29 R43 R52, 53
 Label T, C
 R22, 23, 29, 34, 43, 52/53
 S(1/2), 26, 36/37/39, 45, 61
 401-800-6

● 3,5-dichloro-2,6-difluoropyridine-4-amine

CAS 002840-00-8
 Index 612-168-00-8
 Class'n Xn: R21/22 N: R51, 53
 Label Xn, N
 R21/22, 51/53
 S(2), 36/37, 61
 220-630-1

■ dichloro-N-[(dimethylamino)sulphonyl]fluoro-N-(ptolyl) methanesulphenamide tolylfluorid (ISO)

CAS 000731-27-1
 Index 613-116-00-7
 Class'n T: R23 Xn: R48/20 Xi: R36/37/38 R43 N: R50, 53
 Label T, N
 R23, 36/37/38, 43, 48/20, 50/53
 S(1/2), 24, 26, 37, 38, 45, 60, 61
 211-986-9

● 3,5-dichloro-N-(1,1-dimethylprop2-ynyl)benzamide propyzamide (ISO)

CAS 023950-58-5
 Index 616-055-00-4
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R40, 50/53
 S(2), 36/37, 60, 61
 245-951-4

dichlorodiphenyltrichloroethane

DDT (common name not adopted by ISO)
 clofenotane (INN)
 dicophane

1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane
 CAS 000050-29-3
 Index 602-045-00-7
 Class'n T: R25, 48/25 Carc Cat 3: R40 N: R50, 53
 Label T, N
 R25, 40, 48/25, 50/53
 S(1/2), 22, 36/37, 45, 60, 61
 200-024-3

3',5'-dichloro-2-(2,4-di-tert-pentylphenoxy)-4'-ethyl-2'-hydroxyhexananilide

CAS 101664-25-9
 Index 616-041-00-8
 Class'n R53
 Label R53
 S61
 406-840-8

1,1-dichloroethane

CAS 000075-34-3
 Index 602-011-00-1
 Class'n F: R11 Xn: R22 Xi: R36/37 R52, 53
 Label F, Xn
 R11, 22, 36/37, 52/53
 S(2), 16, 23, 61
 200-863-5
 Conc Conc >= 20% Xn: R22, 36/37
 Conc >= 12.5% and < 20% Xn: R22

1,2-dichloroethane Note E

ethylenedichloride
 CAS 000107-06-2
 Index 602-012-00-7
 Class'n F: R11 Carc Cat 2: R45 Xn: R22 Xi: R36/37/38
 Label F, T
 R45, 11, 22, 36/37/38
 S53, 45
 203-458-1
 Conc Conc >= 25% T: R45, 22, 36/37/38
 Conc >= 20% and < 25% T: R45, 36/37/38
 Conc >= 0.1% and < 20% T: R45

■ 1,1-dichloroethylene Note D

vinylidene chloride
 CAS 000075-35-4
 Index 602-025-00-8
 Class'n F+: R12 Xn: R20, 68
 Label F+, Xn
 R12, 20, 68
 S(2), 7, 16, 29
 200-864-0
 Conc Conc >= 12.5% Xn: R20, 68
 Conc >= 1% and < 12.5% Xn: R68

1,2-dichloroethylene Note C

CAS 000540-59-0
 Index 602-026-00-3 (see Part III)
 Class'n F: R11 Xn: R20 R52, 53
 Label F, Xn
 R11, 20, 52/53
 S(2), 7, 16, 29, 61
 208-750-2
 Conc Conc >= 12.5% Xn: R20

3',5'-dichloro-4'-ethyl-2'-hydroxypalmitilide

CAS 117827-06-2
 Index 616-039-00-7
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 406-200-8

N-(3,5-dichloro-4-ethyl-2-hydroxyphenyl)-2-(3-pentadecylphenoxy)-butanamide

Index 616-044-00-4
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 402-510-2

1,3-dichloro-5-ethyl-5-methylimidazolidine-2,4-dione

CAS 089415-87-2
 Index 613-075-00-5
 Class'n O: R8 T+: R26 C: R34 Xn: R22 R43 N: R50
 Label O, T+, N
 R8, 22, 26, 34, 43, 50
 S(1/2), 8, 26, 36/39, 45, 61
 401-570-7

2,4-dichloro-3-ethylphenol

Index 604-023-00-2
 Class'n C: R34 N: R50, 53
 Label C, N
 R34, 50/53
 S(1/2), 26, 36/39, 45, 60, 61
 401-060-4

- 1,3-dichloro-4-fluorobenzene

CAS 001435-48-9
 Index 602-091-00-8
 Class'n Xn: R22, 48/20/22 Xi: R38 N: R51, 53
 Label Xn, N
 R22, 38, 48/20/22, 51/53
 S(2), 36/37, 61
 406-160-1

- 1,1-dichloro-1-fluoroethane

CAS 001 717-00-6
 Index 602-084-00-X
 Class'n R52, 53 N: R59
 Label N
 R52/53, 59
 S59, 61
 404-080-1

N-dichlorofluoromethylthio-N,N-dimethyl-N-phenylsulphamide
dichlofluanid (ISO)

CAS 001085-98-9
 Index 616-006-00-7
 Class'n Xn: R20 Xi: R36 R43 N: R50, 53
 Label Xn, N
 R20, 36, 43, 50/53
 S(2), 24, 37, 60, 61
 214-118-7

N-(dichlorofluoromethylthio)phthalimide
N-(fluorodichloromethylthio)phthalimide

CAS 000719-96-0
 Index 616-012-00-X
 Class'n Xi: R38
 Label Xi
 R38
 S(2), 28
 211-952-3

N-[2,S-dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)-phenyl-aminocarbonyl]-2,6-difluorobenzamide

CAS 103055-07-8
 Index 616-050-00-7
 Class'n R43 N: R50, 53
 Label Xi, N
 R43, 50/53
 S(2), 24, 37, 60, 61
 410-690-9

dichloroisocyanuric acid

dichloro-1,3,5-triazinetriene
 CAS 002782-57-2
 Index 61 3-029-00-4

Class'n O: R8 Xn: R22 R31 Xi: R36/37 N: R50, 53

Label O, Xn, N
 R8, 22, 31, 36/37, 50/53
 S(2), 8, 26, 41, 60, 61
 220-487-5

dichloromethane

methylenechloride

CAS 000075-09-2
 Index 602-004-00-3
 Class'n Carc Cat 3: R40
 Label Xn
 R40
 S(2), 23, 24/25, 36/37
 200-838-9

- 2,5-dichloro-6-methoxybenzoic acid

dicamba (ISO)
 3,6-dichloro-2-methoxybenzoic acid
 CAS 001918-00-9
 Index 607-043-00-X
 Class'n Xn: R22 Xi: R41 R52, 53
 Label Xn
 R22, 41, 52/53
 S(2), 26, 61
 217-635-6

- 3,6-dichloro-2-methoxybenzoic acid

dicamba (ISO)
 2,5-dichloro-6-methoxybenzoic acid
 CAS 001918-00-9
 Index 607-043-00-X
 Class'n Xn: R22 Xi: R41 R52, 53
 Label Xn
 R22, 41, 52/53
 S(2), 26, 61
 217-635-6

- 2,2'-dichloro-4,4'-methylenedianiline ^{Note E}

4,4'-methylene bis (2-chloroaniline)
 CAS 000101-14-4
 Index 612-078-00-9
 Class'n Carc Cat 2: R45 Xn: R22 N: R50, 53
 Label T, N
 R45, 22, 50/53
 S53, 45, 60, 61
 202-918-9

2,2'-dichloro-4,4'-methylenedianiline, salts of Notes A and E

4,4'-methylenebis(2-chloroaniline), salts of
 Index 612-079-00-4
 Class'n Carc Cat2: R45 Xn: R22 N: R50, 53
 Label T, N
 R45, 22, 50/53
 S53, 45 60, 61

3-[2,4-dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one

oxadiazon
 CAS 019666-30-9
 Index 606-045-00-8
 Class'n N, R50, 53
 Label N
 R50/53
 S60, 61
 243-215-7

2,3-dichloro-1,4-naphthoquinone

dichlone (ISO)
 CAS 000117-80-6
 Index 606-018-00-0
 Class'n Xn: R22 Xi: R36/38 N: R50, 53
 Label Xn, N
 R22, 36/38, 50/53
 S(2), 26, 60, 61
 204-210-5

2,6-dichloro-4-nitroanisole

CAS 017742-69-7
 Index 610-008-00-1
 Class'n T: R25 N: R51, 53
 Label T, N
 R25, 51/53
 S(1/2), 36/37, 45, 61
 403-350-6

1,1-dichloro-1-nitroethane

CAS 000594-72-9
 Index 610-002-00-9
 Class'n T: R23/24/25
 Label T
 R23/24/25
 S(1/2), 26, 45
 209-854-0

• **3-(2,6-dichloro-4-nitrophenylazo)-1-methyl-2-phenylindole**

CAS 117584-16-4
 Index 611-076-00-5
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 406-280-4

dichlorophen

2,2'-methylenebis[4-chlorophenol]
 CAS 000097-23-4
 Index 604-019-00-0
 Class'n Xn: R22 Xi: R36 N: R50, 53
 Label Xn, N
 R22, 36, 50/53
 S(2), 26, 60, 61
 202-567-1

■ **2,4-dichlorophenol**

CAS 000120-83-2
 Index 604-011-00-7
 Class'n T: R24 Xn: R22 C: R34 N: R51, 53
 Label T, N
 R22, 24, 34, 51/53
 S(1/2), 26, 36/37/39, 45, 61
 204-429-6

■ **2,4-dichlorophenoxyacetic acid**

2,4-D (ISO)
 CAS 000094-75-7
 Index 607-039-00-8
 Class'n Xn: R22 Xi: R37, 41 R43 R52, 53
 Label Xn
 R22, 37, 41, 43, 52/53
 S(2), 24/25, 26, 36/37/39, 46, 61
 202-361-1

■ **4-(2,4-dichlorophenoxy)butyric acid**

2,4-DB (ISO)
 CAS 000094-82-6
 Index 607-083-00-8
 Class'n Xn: R22 N R51, 53
 Label Xn, N
 R22, 51/53
 S(2), 25, 29, 46, 61
 202-366-9

2-(2,4-dichlorophenoxy)ethyl hydrogensulphate

disul
 2,4-DES
 CAS 000149-26-8
 Index 016-025-00-5
 Class'n Xn: R22 Xi: R38, 41
 Label Xn
 R22, 38, 41
 S(2), 26
 205-259-5

2-(2,4-dichlorophenoxy) propionic acid

dichlorprop (ISO)
 CAS 000120-36-5
 Index 607-045-00-0
 Class'n Xn: R21/22 Xi: R38, 41
 Label Xn
 R21/22, 38, 41
 S(2), 26, 36/37
 204-390-5

(+)-R-2-(2,4-dichlorophenoxy)propionic acid

CAS 015165-67-0
 Index 607-218-00-0
 Class'n Xn: R22 Xi: R38, 41 R43
 Label Xn
 R22, 38, 41, 43
 S(2), 24, 26, 37/39
 403-980-1

● **4-(3,4-dichlorophenylazo)-2,6-di-sec-butyl-phenol**

CAS 124719-26-2
 Index 611-064-00-X
 Class'n Xn: R48/22 Xi: R38 N: R50, 53
 Label Xn, N
 R38, 48/22, 50/53
 S(2), 23, 25, 36/37, 60, 61
 410-600-8

(dichlorophenyl)(dichlorotolyl)methane, mixed isomers (IUPAC)

dichloro(dichlorophenyl)methyl methylbenzene, mixed isomers
 CAS 076253-60-6
 Index 602-072-00-4
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 278-404-3

O-2,4-dichlorophenyl O,O-diethyl phosphorothioate

dichlofenthion (ISO)
 CAS 000097-17-6
 Index 015-068-00-7
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 202-564-5

■ **3-(3,4-dichlorophenyl)-1,1-dimethylurea**

diuron (ISO)
 CAS 000330-54-1
 Index 006-01 5-00-9
 Class'n Carc Cat 3: R40 Xn: R22, 48/22 N: R50, 53
 Label Xn, N
 R22, 40, 48/22, 50/53
 S(2), 13, 22, 23, 37, 46, 60, 61
 206-354-4

● **3-(3,5-dichlorophenyl)-2,4-dioxo-N-isopropylimidazolidin-1-carboxamide iprodione (ISO)**

CAS 036734-19-7
 Index 616-054-00-9
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R40, 50/53
 S(2), 36/37, 60, 61
 253-178-9

1-{2-(2,4-dichlorophenyl)-1,3-dioxolan-2-yl]methyl}-1H-1,2,4-triazole

azaconazole (ISO)
 CAS 060207-31-0
 Index 613-040-00-4
 Class'n R44 Xn: R22
 Label Xn
 R22, 44
 S(2), 24
 262-102-3

● **3-(2,4-dichlorophenyl)-6-fluoroquinazoline-2,4(1H,3H)-dione**

CAS 168900-02-5
 Index 616-085-00-8
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 412-190-6

● **3-(2,4-dichlorophenyl)-6-fluoro-2-(1H-1,2,4-triazol-1-yl)quinazolin-4-(3H)-one**

CAS 136426-54-5
 Index 613-173-00-8
 Class'n T: R23/25, 48/25 Xn: R21 Xi: R38 N: R50, 53
 Label T, N
 R21, 23/25, 38, 48/25, 50/53
 S(1/2), 36/37/39, 38, 45, 60, 61
 411-960-9

1-(3,4-dichlorophenylimino) thiosemicarbazide

CAS 005836-73-7
 Index 616-016-00-1
 Class'n T+: R28
 Label T+
 R28
 S(1/2), 22, 36/37, 45

3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea

linuron (ISO)
 CAS 000330-55-2
 Index 006-021 -00-1
 Class'n Carc Cat 3: R40 Xn: R22, 48/22 N: R50, 53
 Label Xn, N
 R22, 40, 48/22, 50/53
 S(2), 36/37, 60, 61
 206-356-5

(R*,R*)-(+)-β-[2,4-dichlorophenylmethyl]-α(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol diclobutrazole**(2RS,3RS)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol**

CAS 075736-33-3
 Index 613-122-00-X
 Class'n Xi: R36 N: R51, 53
 Label Xi, N
 R36, 51/53
 S(2), 26, 61

(E)- β -[(2,4-dichlorophenyl)methylene]- α -(1,1-dimethylethyl)-1H-1,2,4-triazol-1-ethanol
diniconazole
(E)-(RS)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol
CAS 076714-88-0
Index 613-117-00-2
Class'n Xn: R22 N: R50,53
Label Xn, N
R22, 50/53
S(2), 60, 61

(E)- β -[(2,4-dichlorophenyl)methylene]- α -(1,1-dimethylethyl)-1H-1,2,4-triazol-1-ethanol
diniconazole
(E)-(RS)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-en-3-ol
CAS 083657-24-3
Index 613-117-00-2
Class'n Xn: R22 N: R50,53
Label Xn, N
R22, 50/53
S(2), 60, 61

2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidinedione
methazole
CAS 020354-26-1
Index 606-033-00-2
Class'n Xn: R21/22 Xi: R36/38 N: R51, 53
Label Xn, N
R21/22, 36/38, 51/53
S(2), 36/37, 61
243-761-6

• N-3,5-dichlorophenyl-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione
vinclozolin (ISO)
CAS 050471-44-8
Index 607-307-00-4
Class'n Carc Cat3: R40 ReprCat2: R60, 61 R43 N: R51, 53
Label T, N
R60, 61, 40, 43, 51/53
S53, 45, 61
256-599-6

2,4-dichlorophenyl 4-nitrophenyl ether Note E
nitrofen (ISO)
CAS 001836-75-5
Index 609-040-00-9
Class'n Carc Cat2: R45 ReprCat2: R61 Xn: R22 N: R50,53
Label T, N
R45, 61, 22, 50/53
S53, 45, 60, 61
217-406-0

• 2-(2,4-dichlorophenyl)-2-(2-propenyl)oxirane
CAS 089544-48-9
Index 603-156-00-3
Class'n Xi: R38 R43 N: R50,53
Label Xi, N
R38, 43, 50/53
S(2), 24, 37, 60, 61
411-210-0

S-(2,5-dichlorophenylthiomethyl) OO-diethyl
phosphorodithioate
phenkapton
CAS 002275-14-1
Index 015-037-00-8
Class'n T: R23/24/25 N: R50, 53
Label T, N
R23/24/25, 50/53
S(1/2), 13, 45, 60, 61
218-892-7

2-(2,4-dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)pent-4-en-2-ol
CAS 089544-40-1
Index 603-125-00-4
Class'n Xn: R22 Xi: R41 N: R51, 53
Label Xn, N
R22, 41, 51/53
S(2), 26, 39, 61
407-850-5

• (+/-)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propan-1-ol
Index 603-151-00-6
Class'n R52, 53
Label R52/53
S61
413-570-4

• (+/-)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl-1,1,2,2-tetrafluoroethylether
CAS 112281-77-3
Index 613-174-00-3
Class'n Carc Cat3: R40 Xn: R20/22 N: R51, 53
Label Xn, N
R20/22, 40, 51/53
S(2), 36/37, 41, 61
407-760-7

3,3'-dichlorophenyl-4,4'-ylenediamine, dihydrochloride
salts of Notes A and E
3,3'-dichlorobenzidine, dihydrochloride salts of
3,3'-dichlorobenzidine, sulphate (1:2) salts of
3,3'-dichlorobenzidine, sulphate salts of
3,3'-dichlorophenyl-4,4'-ylenediamine, sulphate (1:2) salts of
3,3'-dichlorophenyl-4,4'-ylenedia-nine, sulphate salts of
CAS 000612-83-9
Index 612-069-00-X
Class'n Carc Cat2: R45 Xn: R21 R43 N: R50,53
Label T, N
R45, 21, 43, 50/53
S53, 45, 60, 61
210-323-0

3,3'-dichlorophenyl-4,4'-ylenediamine, sulphate (1 :2) salts
of Notes A and E

3,3'-dichlorobenzidine, dihydrochloride salts of
3,3'-dichlorobenzidine, sulphate (1:2) salts of
3,3'-dichlorobenzidine, sulphate salts of
3,3'-dichlorophenyl-4,4'-ylenediamine, dihydrochloride salts of
3,3'-dichlorophenyl-4,4'-ylenediamine, sulphate salts of
CAS 064969-34-2
Index 612-069-00-X
Class'n Carc Cat 2: R45 Xn. R21 R43 N: R50, 53
Label T, N
R45, 21, 43, 50/53
553, 45, 60, 61
265-293-1

3,3'-dichlorophenyl-4,4'-ylenediamine, sulphate salts of
Notes A and E

3,3'-dichlorobenzidine, dihydrochloride salts of
3,3'-dichlorobenzidine, sulphate (1:2) salts of
3,3'-dichlorobenzidine, sulphate salts of
3,3'-dichlorophenyl-4,4'-ylenediamine, dihydrochloride salts of
3,3'-dichlorophenyl-4,4'-ylenediamine, sulphate (1:2) salts of
CAS 074332-73-3
Index 612-069-00-X
Class'n Carc Cat 2: R45 Xn: R21 R43 N: R50, 53
Label T, N
R45, 21, 43, 50/53
553, 45, 60, 61
277-822-3

1,2-dichloropropane

propylene dichloride
CAS 000078-87-5
Index 602-020-00-0
Class'n F: R11 Xn: R20/22
Label F, Xn
R11, 20/22
S(2), 16, 24
201-152-2

1,3-dichloro-2-propanol Note E

CAS 000096-23-1
Index 602-064-00-0
Class'n Carc Cat 2: R45 T: R25 Xn: R21
Label T
R45, 21, 25
553, 45
202-491-9

1,3-dichloropropene Notes C and D

(Z)- 1,3-dichloropropene
CAS 000542-75-6
Index 602-030-00-5
Class'n R10 T: R25 Xn: R20/21 Xi: R36/37/38 R43
N: R50, 53
Label T, N
R10, 20/21, 25, 36/37/38, 43, 50/53
5(1/2), 36/37, 45, 60, 61
208-826-5

(Z)-1,3-dichloropropene Notes C and D

1,3-dichloropropene
CAS 010061-01-5
Index 602-030-00-5
Class'n R10 T: R25 Xn: R20/21 Xi: R36/37/38 R43
N: R50, 53
Label T, N
R10, 20/21, 25, 36/37/38, 43, 50/53
5(1/2), 36/37, 45, 60, 61
233-195-8

1,1-dichloropropene

CAS 000563-58-6
Index 602-031-00-0
Class'n F: R11 T: R25 R52, 53
Label F, T
R11, 25, 52/53
5(1/2), 16, 29, 33, 45, 61
209-253-3

□ 2,3-dichloropropene

2,3-dichloropropylene
CAS 000078-88-6
Index 602-079-00-2
Class'n F: R11 Muta Cat 3: R68 Xn: R20/21/22 Xi:
R37/38, 41 R52, 53
Label F, Xn
R11, 20/21/22, 37/38, 41, 52/53, 68
5(2), 9, 16, 23, 26, 36/37/39, 61
201-153-8

□ 3,4'-dichloropropionanilide

propanil (ISO)
CAS 000709-98-8
Index 616-009-00-3
Class'n Xn: R22 N: R50
Label Xn, N
R22, 50
S(2), 22, 61
211-914-6

2,2-dichloropropionic acid

dalapon
CAS 000075-99-0
Index 607-162-00-7
Class'n Xn: R22 Xi: R38, 41 R52, 53
Label Xn
R22, 38, 41, 52/53
5(2), 26, 39, 61
200-923-0

■ 2,3-dichloropropylene

2,3-dichloropropene
CAS 000078-88-6
Index 602-079-00-2
Class'n F: R11 Muta Cat 3: R68 Xn: R20/21/22 Xi:
R37/38, 41 R52, 53
Label F, Xn
R11, 20/21/22, 37/38, 41, 52/53, 68
S(2), 9, 16, 23, 26, 36/37/39, 61
201-153-8

3,6-dichloropyridine-2-carboxylic acid
 clopyralid

CAS 001702-17-6
 Index 607-231-00-1
 Class'n Xi: R41 N: R51, 53
 Label Xi, N
 R41,51/53
 S(2),26,39,61
 216-935-4

2,4-dichloro-a-(pyrimidin-5-yl) benzhydryl alcohol
 triarimol

CAS 026766-27-8
 Index 603-043-00-9
 Class'n Xn: R22
 Label Xn
 R22
 S(2)

- **2,4'-dichloro-a-(pyrimidin-5-yl)benzhydryl alcohol**
 fenarimol(ISO)

CAS 0601 68-88-9
 Index 603-104-00-X
 Class'n Repr Cat 3: R62, 63 R64 N: R51,53
 Label Xn, N
 R51/53,62,63,64
 S(2), 36/37,61
 262-095-7

3,7-dichloroquinoline-8-carboxylic acid

CAS 084087-01-4
 index 607-186-00-8
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 402-780-1

3,5-dichloro-4-(1,1,2,2-tetrafluoroethoxy)aniline

CAS 104147-32-2
 Index 612-093-00-0
 Class'n Xi: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2), 24/25, 26, 57, 60, 61
 401-790-3

2,6-dichloro(thiobenzamide)
 chlorthiamid (ISO)

CAS 001918-13-4
 Index 616-005-00-1
 Class'n Xn: R22
 Label Xn
 R22
 S(2),36
 217-637-7

α,α-dichlorotoluene

benzylidene chloride
 benzal chloride
 CAS 000098-87-3
 Index 602-058-00-8
 Class'n Carc Cat 3: R40 T R23 Xn: R22 Xi: R37/38,41
 Label T
 R22,23,37/38,40,41
 S(1/2),36/37,38,45
 202-709-2

dichloro-1,3,5-triazinetriene
dichloroisocyanuric acid

CAS 002782-57-2
 Index 613-029-00-4
 Class'n O: R8 Xn: R22 R31 Xi: R36/37 N: R50,53
 Label O,Xn,N
 R8,22,31,36/37,50/53
 S(2),8,26,41,60,61
 220-487-5

7-(((4,6-dichloro-1,3,5-triazin-2-yl)amino)-4-hydroxy-3-(4-((2-sulfoxy)ethyl)sulfonyl)phenylazo)naphthalene-2-sulfonic acid

CAS 117715-57-8
 Index 611-039-00-3
 Class'n R43
 Label Xi
 R43
 S(2), 22,24,37
 407-050-6

2,3-dichloro-5-trifluoromethyl-pyridine

CAS 069045-84-7
 Index 613-158-00-6
 Class'n Xn: R20/22 Xi: R41 R43 N: R51,53
 Label Xn,N
 R20/22,41,43,51/53
 S(2),24,26,37/39,61
 410-340-5

2,2-dichlorovinyl dimethyl phosphate

dichlorvos (ISO)
 CAS 000063-73-7
 Index 015-019-00-X
 Class'n T+; R26 T: R24/25 R43 N: R50
 Label T+, N
 R24/25,26,43,50
 S(1/2), 28,36/37,45, 61
 200-547-7

2,2-dichlorovinyl 2-ethylsulphinylethyl methyl phosphate

CAS 007076-53-1
 Index 015-077-00-6
 Class'n T: R23/24/25
 Label T
 R23/24/25
 S(1/2), 13,45

dichlorprop (ISO)

2-(2,4-dichlorophenoxy) propionic acid
 CAS 000120-36-5
 Index 607-045-00-0
 Class'n Xn: R21/22 Xi: R38, 41
 Label Xn
 R21/22, 38, 41
 S(2), 26, 36/37
 204-390-5

dichlorprop, salts of Note A

Index 607-046-00-6
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2), 13

dichlorvos (ISO)

2,2-dichlorovinyl dimethyl phosphate
 CAS 000062-73-7
 Index 015-019-00-X
 Class'n T+; R26 T: R24/25 R43 N: R50
 Label T+, N
 R24/25, 26, 43, 50
 S(1/2), 28, 36/37, 45, 61
 200-547-7

dichromium tris(chromate)

chromium III chromate
 chromic chromate
 CAS 024613-89-6
 Index 024-010-00-X
 Class'n O: R8 Carc Cat 2: R45 C: R35 R43 N: R50, 53
 Label O, T, C, N
 R45, 8, 35, 43, 50/53
 S53, 45, 60, 61
 246-356-2

diclobutrazole

(R*, R*)-(+)-β-[2,4-dichlorophenyl)methyl]-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol
 (2RS,3RS)-1-(2,4-dichlorophenyl)-4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol
 CAS 075736-33-3
 Index 613-122-00-X
 Class'n Xi: R36 N: R51, 53
 Label Xi, N
 R36, 51/53
 S(2), 26, 61

diclofop-methyl (ISO)

methyl 2-(4-(2,4-dichlorophenoxy)phenoxy)propionate
 methyl (RS)-2-[4-(2,4-dichlorophenoxy)phenoxy]propionate
 CAS 051338-27-3
 Index 607-165-00-3
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 24, 37, 60, 61
 257-141-8

dicofol (ISO)

2,2,2-trichloro-1,1-bis(4-chlorophenyl)ethanol
 CAS 000115-32-2
 Index 603-044-00-4
 Class'n Xn: R21/22 Xi: R38 R43 N: R50, 53
 Label Xn, N
 R21/22, 38, 43, 50/53
 S(2), 36/37, 60, 61
 204-082-0

dicophane

DDT (common name not adopted by ISO)
 clofenotane (INN)
 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane
 dichlorodiphenyltrichloroethane
 CAS 000050-29-3
 Index 602-045-00-7
 Class'n T: R25, 48/25 Carc Cat 3: R40 N: R50, 53
 Label T, N
 R25, 40, 48/25, 50/53
 S(1/2), 22, 36/37, 45, 60, 61
 200-024-3

dicopper oxide

copper(I) oxide
 CAS 001317-39-1
 Index 029-002-00-X
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 22
 215-270-7

dicoumarol

4,4'-dihydroxy-3,3'-methylenebis(2H-chromen-2-one)
 CAS 000066-76-2
 Index 607-060-00-2
 Class'n T: R48/25 Xn: R22 N: R51 53
 Label T, N
 R22, 48/25, 51/53
 S(1/2), 37, 45, 61
 200-632-9

dicrotophos (ISO)

(Z)-2-dimethylcarbamoyl-1-methylvinyl dimethyl phosphate
 CAS 000141-66-2
 Index 015-073-00-4
 Class'n T+: R28 T: R24 N: R50, 53
 Label T+, N
 R24, 28, 50/53
 S(1/2), 28 36/37, 45, 60, 61
 205-494-3

1,4-dicyano-2,3,5,6-tetra-chloro-benzene

CAS 001897-41-2
 Index 608-01 6-00-5
 Class'n R43 N: R50, 53
 Label Xi, N
 R43, 50/53
 S(2), 24, 37, 60, 61
 401-550-8

dicyclohexylamine

CAS 000101-83-7
 Index 612-066-00-3
 Class'n Xn: R22 C: R34 N: R50, 53
 Label C, N
 R22, 34, 50/53
 S(1/2), 26, 36/37/39, 45, 60, 61
 202-980-7
 Conc Conc >= 25% C: R22, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 2% and < 10% Xi: R36/38

dicyclohexylammonium nitrite

CAS 003129-91-7
 Index 007-009-00-9
 Class'n Xn: R20/22
 Label Xn
 R20/22
 S(2), 15, 41
 221-515-9
 Conc Conc >= 10% Xn: R20/22

dicyclohexylcarbodiimide

CAS 000538-75-0
 Index 615-019-00-5
 Class'n T: R24 Xn: R22 Xi: R41 R43
 Label T
 R22, 24, 41, 43
 S(1/2), 24, 26, 37/39, 45
 208-704-1

dicyclohexylmethane-4,4'-di-isocyanate

4,4'-methylenedi(cyclohexyl isocyanate)
 CAS 005124-30-1
 Index 615-009-00-0
 Class'n T: R23 Xi: R36/37/38 R42/43
 Label T
 R23, 36/37/38, 42/43
 S(1/2), 26, 28, 38, 45
 225-863-2
 Conc Note2
 Conc >= 20% T: R23, 36/37/38, 42/43
 Conc >= 2% and < 20% T: R23, 42/43
 Conc >= 0.5% and < 2% Xn: R20, 42/43

● mixture of

3,3'-dicyclohexyl-1,1'-methylenebis(4,1-phenylene)
 diurea

and

3-cyclohexyl-1-(4-(4-(3-octadecylureido)benzyl)
 phenyl)urea

and

3,3'-dioctadecyl-1,1'-methylenebis(4,1-phenylene)
 diurea

Index 616-070-00-6 (see Part III)
 Class'n R53
 Label R53
 S22, 61
 406-530-2

didecyldimethylammonium chloride

CAS 007173-51-5
 Index 612-131-00-6
 Class'n Xn: R22 C: R34
 Label C
 R22, 34
 S(2), 26, 36/37/39, 45
 230-525-2

dieldrin (ISO)

CAS 000060-57-1
 Index 602-049-00-9
 Class'n T+: R27 T: R25, 48/25 Carc Cat 3: R40 N:
 R50, 53
 Label T+, N
 R25, 27, 40, 48/25, 50/53
 S(1/2), 22, 36/37, 45, 60, 61
 200-484-5

1,2:3,4-diepoxybutane Note E

2,2'-bioxirane
 CAS 001464-53-5
 Index 603-060-00-1
 Class'n Carc Cat2: R45 Muta Cat2: R46 T+: R26 T:
 R24/25 C: R34
 Label T+
 R45, 46, 24/25, 26, 34
 S53, 45
 215-979-1

diethanolamine

2,2' iminodiethanol
 CAS 000111-42-2
 Index 603-071-00-1
 Class'n Xn: R22, 48/22 Xi: R38, 41
 Label Xn
 R22, 38, 41, 48/22
 S(2), 26, 36/37/39, 46
 203-868-0

1,1-diethoxyethane

acetal
 CAS 000105-57-7
 Index 605-015-00-1
 Class'n F: R11 Xi: R36/38
 Label F, Xi
 R11, 36/38
 S(2), 9, 16, 33
 203-310-6
 Conc Conc >= 10% Xi: R36/38

● 4-[3-(diethoxymethylsilylpropoxy)-2,2,6,6-teramethyl]
 piperidine

CAS 102089-33-8
 Index 014-025-00-X
 Class'n Xn: R22, 48/21 Xi: R38, 41 R52, 53
 Label Xn
 R22, 38, 41, 48/21, 52/53
 S(2), 26, 36/37/39, 61
 411-400-3

α-(diethoxyphosphinothiolyimino) phenylacetonitrile

phoxim(ISO)
 CAS 014816-18-3
 Index 015-100-00-X
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 36
 238-887-3

• 1,2-diethoxypropane

CAS 010221-57-5
 Index 603-160-00-5
 Class'n F: R11 R19
 Label F
 R11,19
 S(2),9,16,24,33
 412-180-1

• 1,3-diethoxypropane

CAS 003459-83-4
 Index 603-161-00-0
 Class'n R10
 Label R10
 S(2),9,24
 413-140-6

diethylamine

CAS 000109-89-7
 Index 612-003-00-X
 Class'n F: R11 Xn: R20/21/22 C: R35
 Label F, C
 R11, 20/21/22,35
 S(1/2), 3, 16,26, 29,36/37/39,45
 203-716-3
 Conc Conc >= 25% C: R20/21/22,35
 Conc >= 10% and < 25% C: R35
 Conc >= 5% and < 10% C: R34
 Conc >= 1% and < 5% Xi: R36/37/38

2-diethylaminoethanol

N,N-diethylethanolamine
 CAS 000100-37-8
 Index 603-048-00-6
 Class'n R10 Xn: R20/21/22 C: R34
 Label C
 R10,20/21/22,34
 S(1/2),25,26,36/37/39,45
 202-845-2
 Conc Conc >= 25% C: R20/21/22,34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

• 4-((4-(diethylamino)-2-ethoxyphenyl)imino)-1,4-dihydro-1-oxo-N-propyl-2-naphthalenecarboxamide

CAS 121487-83-0
 Index 616-059-00-6
 Class'n R53
 Label R53
 S61
 412-650-6

2-diethylaminoethyl methacrylate Note D

CAS 000105-16-8
 Index 607-127-00-6
 Class'n Xn: R20 Xi: R36/38 R43
 Label Xn
 R20,36/38,43
 S(2),26
 203-275-7
 Conc Conc >= 25% Xn: R20, 36/38,43
 Conc >= 10% and < 25% Xi: R36/38,43
 Conc >= 1% and < 10% Xi: R43

4-diethylamino-2-methylaniline monohydrochloride

NS,NS-diethyltoluene-2,5-diamine monohydrochloride
 CAS 002051-79-8
 Index 612-143-00-1
 Class'n T R25 Xi: R36 R43 N: R50, 53
 Label T, N
 R25,36,43,50/53
 S(1/2),24,26,37,45, 60, 61
 218-130-3

O-(2-diethylamino-6-methylpyrimidin-4-yl) O,O-dimethyl phosphorothioate

pirimiphos-methyl(ISO)
 CAS 029232-93-7
 Index 015-134-00-5
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 249-528-5

mixture of

7-[4-(3-diethylaminopropylamino)-6-(3-diethylammoniopropylamino)-1,3,5-triazin-2-ylamino]-4-hydroxy-3-(4-phenylazophenyl)-naphthalene-2-sulfonate {2 parts of}

and

acetic acid (1 part of)

and

lactic acid {1 part of}

CAS 118658-98-3
 Index 611-049-00-8 (see Part III)
 Class'n Xn: R48/22 R43 R52, 53
 Label Xn
 R43,48/22,52/53
 S(2),22,36/37,61
 408-000-6

2-(4-(diethylaminopropylcarbamoyl)phenylazo)-3-oxo-N-(2,3-dihydro-2-oxobenzimidazol-5-yl)butyide

Index 611-047-00-3
 Class'n R43 N: R51, 53
 Label Xi, N
 R43,51/53
 S(2),24,37,61
 404-910-2

NN-diethylaniline

CAS 000091-66-7
 Index 612-054-00-8
 Class'n T: R23/24/25 R33 N: R51, 53
 Label T, N
 R23/24/25, 33, 51/53
 S(1/2), 28, 37, 45, 61
 202-088-8
 Conc Conc >= 5% T: R23/24/25, 33
 Conc >= 1% and < 5% Xn: R20/21/22, 33

2,6-diethylaniline

CAS 000579-66-8
 Index 612-106-00-X
 Class'n Xn:R22
 Label Xn
 R22
 S(2), 23, 24
 209-445-7

diethylcarbamoyl chloride

CAS 000088-10-8
 Index 607-229-00-0
 Class'n Carc Cat 3: R40 Xn: R20/22 Xi: R36/37/38
 Label Xn
 R20/22, 36/37/38, 40
 S(2), 26, 36/37
 201-798-5

N,N-diethyl-1,3-diaminopropane

3-aminopropyldiethylamine
 CAS 000104-78-9
 Index 612-062-00-1
 Class'n R10 Xn: R21/22 C: R34 Xi: R43
 Label C
 R10, 21/22, 34, 43
 S(1/2), 26, 36/37/39, 45
 203-236-4
 Conc Conc >= 25% C: R21/22, 34, 43
 Conc >= 10% and < 25% C: R34, 43
 Conc >= 5% and < 10% Xi: R36/38, 43
 Conc >= 1% and < 5% Xi: R43

O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl
phosphorothioate

pirimiphos-ethyl(ISO)
 CAS 023505-41-1
 Index 015-099-00-6
 Class'n T: R25 Xn: R21 N: R50, 53
 Label T, N
 R21, 25, 50/53
 S(1/2), 23, 36/37, 45, 60, 61
 245-704-0

diethyl 2,4-dihydroxycyclodisiloxane-2,4-diylbis
(trimethylene)diphosphonate, tetrasodium salt,
reaction products with disodium metasilicate

Index 650-014-00-1
 Class'n C: R34 Xn: R22
 Label C
 R22, 34
 S(1/2), 26, 36/37/39, 45
 401-770-4

N,N-diethyl-1-N',N'-dimethylpropan-1,3-diyl-diamine

CAS 062478-82-4
 Index 612-152-00-0
 Class'n R10 Xn: R20/22, 48/20 C: R35 R52, 53
 Label C
 R10, 20/22, 35, 48/20, 52/53
 S(1/2), 26, 28, 36/37/39, 45, 61
 406-610-7

diethyl 1,3-dithietan-2-ylidenephosphoramidate

fosthietan
 CAS 021548-32-3
 Index 015-124-00-0
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 36/37, 45
 244-437-7

O,O-diethyl dithiobis(thiofoxmate)

dixanthogen
 CAS 000502-55-6
 Index 006-049-00-4
 Class'n Xn:R22
 Label Xn
 R22
 S(2), 24
 207-944-4

diethyl 1,3-dithiolan-2-ylidenephosphoramidate

phosfolan (ISO)
 CAS 000947-02-4
 Index 015-111-00-X
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 28, 36/37, 45
 213-423-2

1 diethylene glycol

2,2'-oxybisethanol
 CAS 000111-46-6
 Index 603-140-00-6
 Class'n Xn:R22
 Label Xn
 R22
 S(2) 46
 203-872-2

diethylene glycol diacrylate Note D

2,2'-oxydiethyl diacrylate
 CAS 004074-88-8
 Index 607-120-00-8
 Class'n T: R24 Xi: R36/38 R43
 Label T
 R24, 36/38, 43
 S(1/2), 28, 39, 45
 223-791-6
 Conc Conc >= 20% T: R24, 36/38, 43
 Conc >= 2% and < 20% T: R24, 43
 Conc >= 0.2% and < 2% Xn: R21, 43

diethylene glycol dinitrateoxydiethylene dinitrate
digol dinitrateCAS 000693-21-0
Index 603-033-00-4Class'n E: R3 T+: R26/27/28 R33 R52,53
Label E,T+R3 ,26/27/28, 33, 52/53
S(1/2), 33, 35, 36/37, 45, 61
21 1-745-8**diethylene glycol monobutyl ether**

2-(2-butoxyethoxy)ethanol

CAS 00112-34-5
Index 603-096-00-8

Class'n Xi:R36

Label Xi
R36
S(2), 24, 26
203-961-6**diethylene glycol monomethyl ether**

2-(2-methoxyethoxy)ethanol

CAS 000111-77-3
Index 603-107-00-6

Class'n ReprCat3: R63

Label Xn
R63
S(2), 36/37
203-906-6**diethylenetriamine**

2,2'-iminodiethylamine

CAS 000111-40-0
Index 612-058-00-X

Class'n Xn: R21/22 C: R34 R43

Label C
R21/22, 34, 43
S(1/2), 26, 36/37/39, 45
203-865-4Conc Conc >= 25% C: R21/22, 34,43
Conc >= 10% and < 25% C: R34, 43
Conc >= 5% and < 10% Xi: R36/38, 43
Conc >= 1% and < 5% Xi: R43**N,N-diethylethanolamine**

2-diethylaminoethanol

CAS 000100-37-8
Index 603-048-00-6

Class'n R10 Xn: R20/21/22 C: R34

Label C
R10, 20/21/22, 34
S(1/2), 25, 26, 36/37/39, 45
202-845-2Conc Conc >= 25% C: R20/21/22, 34
Conc >= 10% and < 25% C: R34
Conc >= 5% and < 10% Xi: R36/37/38**diethyl ether**

ether

CAS 000060-29-7
Index 603-022-00-4

Class'n F+: R12 R19 Xn: R22 R66 R67

Label F+,Xn
R12, 19, 22, 66, 67
S(2), 9, 16, 29, 33
200-467-2**O,O-diethyl O-(6-ethoxycarbonyl-5-methylpyrazolo[2,3-a]pyrimidin-2-yl)phosphorothioate**

pyrazophos (ISO)

CAS 013457-18-6
Index 015-137-00-1

Class'n Xn: R20/22 N: R50, 53

Label Xn,N
R20/22, 50/53
S(2), 36/37, 46, 60, 61
236-656-1**diethyl(ethyldimethylsilanolato)aluminium**

CAS 055426-95-4

Index 013-005-00-8

Class'n F: R14/15, 17 C: R35

Label F,C
R14/15, 17, 35
S(1/2), 6, 16, 30, 36/39, 43, 45
401-160-8**O O-diethyl S-[2-(ethylsulphinyl)ethyl]phosphorodithioate**

oxydisulfoton

CAS 002497-07-6

Index 015-096-00-X

Class'n T+: R28 T: R24

Label T+
R24,28
S(1/2), 28,36/37,45
219-679-1**O,O-diethyl 2-ethylthioethyl phosphorodithioate**

disulfoton(ISO)

CAS 000298-04-4

Index 015-060-00-3

Class'n T+: R27/28 N: R50, 53

Label T+,N
R27/28, 50/53
S(1/2), 28, 36/37, 45, 60, 61
206-054-3**O,O-diethyl-O-2-ethylthioethyl phosphorothioate**

demeton-O(ISO)

CAS 000298-03-3

Index 015-028-00-9

Class'n T+: R27/28 N: R50

Label T+,N
R27/28 50
S(1/2), 28, 36/37, 45, 61
206-053-8**diethyl-S-2-ethylthioethyl phosphorothioate**

demeton-S(ISO)

CAS 000126-75-0

Index 01 5-029-00-4

Class'n T+: R27/28

Label T+
R27/28
S(1/2), 28, 36/37, 45
204-801-8

O,O-diethyl ethylthiomethyl phosphorodithioate

phorate (ISO)
 CAS 000298-02-2
 Index 015-033-00-6
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2),28,36/37,45
 206-052-2

1 di-(Zethylhexyl) phthalate
bis(2-ethylhexyl)phthalate
DEHP

CAS 000117-81-7
 Index 607-317-00-9
 Class'n Repr Cat 2: R60, 61
 Label T
 R60.61
 S53,45
 204-211-0

O,O-diethyl isopropylcarbamoylmethyl phosphorodithioate
prothoate (ISO)

CAS 002275-18-5
 Index 015-032-00-0
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2),28,36/37,45
 218-893-2

O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl
phosphorothioate

diazinon(ISO)
 CAS 000333-41-5
 Index 015-040-00-4
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2),24/25,60,61
 206-373-8

diethyl ketone

pentan-3-one
 CAS 000096-22-0
 Index 606-006-00-5
 Class'n F: R11 Xi: R37 R66 R67
 Label F, Xi
 R11,37,66,67
 S(2),9,16,25,33
 202-490-3

diethylmercury
dimethylmercury

CAS 000627-44-1
 Index 080-007-00-3
 Class'n T+: R26/27/28 R33 N: R50,53
 Label T+, N
 R26/27/28,33,50/53
 S(1/2),13,28,36,45,60,61
 211-000-7
 Conc Note 1
 Conc >= 0.5% T+: R26/27/28,33
 Conc >= 0.1% and < 0.5% T: R23/24/25,33
 Conc >= 0.05% and < 0.1% Xn: R20/21/22,33

4,6-diethyl-2-methyl-1,3-benzenediamine Note C

CAS 002095-01-4
 Index 612-130-00-0(seePartIII)
 Class'n Xn: R21/22,48/22 Xi: R36 N: R50,53
 Label Xn, N
 R21/22,36,48/22,50/53
 S(2),26,28,36/37/39,60,61
 218-255-3

2,4-diethyl-6-methyl-1,3-benzenediamine Note C

CAS 002095-02-5
 Index 612-130-00-0(seePartIII)
 Class'n Xn: R21/22,48/22 Xi: R36 N: R50,53
 Label Xn, N
 R21/22,36,48/22,50/53
 S(2),26,28,36/37/39,60,61
 218-256-9

diethylmethylbenzenediamine Note C

CAS 068479-98-1
 Index 612-130-00-0(see Part III)
 Class'n Xn: R21/22,48/22 Xi: R36 N: R50, 53
 Label Xn, N
 R21/22,36,48/22, 50/53
 S(2),26,28,36/37/39,60,61
 270-877-4

O,O-diethyl O-(4-methylcoumarin-7-yl) phosphorothioate

CAS 000299-45-6
 Index 015-076-00-0
 Class'n T+: R26/27/28
 Label T+
 R26/27/28
 S(1/2),13,28,45

diethyl 4-methyl-1,3-dithiolan-2-ylidene phosphoramidate
mephosfolan (ISO)

CAS 000950-10-7
 Index 015-094-00-9
 Class'n T+: R27/28 N: R51, 53
 Label T+, N
 R27/28,51/53
 S(1/2),36/37/39,45,61
 213-447-3

diethyl 3-methylpyrazol-5-yl phosphate
pyrazoxon

CAS 000108-34-9
 Index 015-023-00-1
 Class'n T+: R26/27/28
 Label T+
 R26/27/28
 S(1/2),13,28,45

O,O-diethyl O-4-methylsulfinylphenyl phosphorothioate
fensulfothion (ISO)

CAS 000115-90-2
 Index 015-090-00-7
 Class'n T+: R27/28 N: R50, 53
 Label T+, N
 R27/28,50/53
 S(1/2)23,28,36/37,45,60,61
 204-114-3

O,O-diethyl O-4-nitrophenyl phosphorothioate
parathion(ISO)
CAS 000056-38-2
Index 015-034-00-1
Class'n T+: R27/28 N: R50, 53
Label T+,N
R27/28, 50/53
S(1/2), 28, 36/37, 45, 60, 61
200-271-7

diethyl oxalate
oxalic acid diethylester
CAS 000095-92-1
Index 607-147-00-5
Class'n Xn: R22 Xi: R36
Label Xn
R22,R36
S(2), 23
202-464-1

O,O-diethyl 4-oxobenzotriazin-3-ylmethyl
phosphorodithioate
azinphos-ethyl (ISO)
CAS 002642-71-9
Index 015-056-00-1
Class'n T+: R28 T: R24 N: R50, 53
Label T+, N
R24, 28, 50/53
S(1/2), 28, 36/37, 45, 60, 61
220-147-6

N,N-diethyl-p-phenyldiamine
4-amino-N,N-diethylaniline
CAS 000093-05-0
Index 612-080-00-X
Class'n T: R25 C: R34
Label T
R25, 34
S(1/2), 26, 36, 45
202-214-1

O,O-diethyl O-5-phenylisoxazol-3-ylphosphorothioate
isoxathion(ISO)
CAS 018854-01-8
Index 015-131-00-9
Class'n T: R24/25
Label T
R24/25
S(1/2), 28, 36/37, 45
242-624-8

O,O-diethyl O-1-phenyl-1H,2,4-triazol-3-yl
phosphorothioate
triazophos(ISO)
CAS 024017-47-8
Index 015-140-00-8
Class'n T: R23/25 Xn: R21 N: R50, 53
Label T,N
R21 23/25, 50/53
S(1/2), 36/37, 45, 60, 61
245-986-5

O,O-diethyl phthalimidophosphonothioate
ditalimfos
CAS 005131-24-8
Index 015-120-00-9
Class'n Xi: R38 R43
Label Xi
R38, 43
S(2), 36/37
225-875-8

mixture of
N,N-diethylpropane-1,3-diamine 6-methyl-2-(4-(2,4,6-
triaminopyrimidin-5-ylazo)phenyl)benzothiazole-7-
sulfonate
and
2,2-iminodiethanol 6-methyl-2-(4-(2,4,6-
triaminopyrimidin-5-ylazo)phenyl)benzothiazole-7-
sulfonate
and
2-methylaminoethanol 6-methyl-2-(4-(2,4,6-
triaminopyrimidin-5-ylazo)phenyl)benzothiazole-7-
sulfonate
Index 611-012-00-6 (see Part III)
Class'n R43
Label Xi
R43
S(2), 22, 24, 26, 37
403-410-1

O,O-diethyl O-pyrazin-2-yl phosphorothioate
thionazin
CAS 000297-97-2
Index 015-112-00-5
Class'n T+: R27/28
Label T+
R27/28
S(1/2), 36/37/39, 38, 45
206-049-6

O,O-diethyl-O-quinoxalin-2-yl phosphorothioate
quinalphos(ISO)
CAS 013593-03-8
Index 015-138-00-7
Class'n T: R25 Xn: R21
Label T
R21, 25
S(1/2), 22, 36/37, 45
237-031-6

diethyl sulphate Note E
CAS 000064-67-5
Index 016-027-00-6
Class'n Carc Cat2: R45 Muta Cat2: R46 Xn:
R20/21/22 C: R34
Label T
R45, 46, 20/21/22, 34
S53, 45
200-589-6

O,O-diethyl O-7,8,9,10-tetrahydro-6-oxo-benzo(c)chromen-3-yl phosphorothioate coumithoate (ISO)
 CAS 000572-48-5
 Index 015-086-00-5
 Class'n T: R25
 Label T
 R25
 S(1/2), 28, 36/37 45

■ N,N-diethyl-m-toluamide

deet
 CAS 000134-62-3
 Index 616-018-00-2
 Class'n Xn: R22 Xi: R36/38 R52, 53
 Label Xn
 R22 36/38, 52/53
 S(2), 61
 205-149-7

N5,N5-diethyltoluene-2,5-diamine monohydrochloride 4-diethylamino-2-methylaniline monohydrochloride
 CAS 002051-79-8
 Index 612-143-00-1
 Class'n T R25 Xi: R36 R43 N: R50, 53
 Label T, N
 R25, 36, 43, 50/53
 S(1/2), 24, 26, 37, 45, 60, 61
 218-130-3

O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate chlorpyrifos (ISO)
 CAS 002921-88-2
 Index 015-084-00-4
 Class'n T: R24/25 N: R50, 53
 Label T, N
 R24/25, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 220-864-4

diethylzinc

dimethylzinc
 CAS 000557-20-0
 Index 030-004-00-8
 Class'n R14 F: R17 C: R34 N: R50, 53
 Label F, C, N
 R14, 17, 34, 50/53
 S(1/2), 16, 43, 45, 60, 61
 209-161-3

difenacoum

3-(3-biphenyl-4-yl-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin
 CAS 056073-07-5
 Index 607-157-00-X
 Class'n T+: R28 T: R48/25 N: R50, 53
 Label T+, N
 R28, 48/25, 50/53
 S(1/2), 36/37, 45, 60, 61
 259-978-4

difenzoquat methyl sulfate
 1,2-dimethyl-3,5-diphenylpyrazolium methylsulphate
 CAS 043222-48-6
 Index 613-056-00-1
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 256-152-5

diflufenican

N-(2,4-difluorophenyl)-2-[3-(trifluoromethyl)phenoxy]-3-pyridinecarboxamide
 CAS 083164-33-4
 Index 616-032-00-9
 Class'n R52, 53
 Label R52/53
 S61

N-(2,4-difluorophenyl)-2-[3-(trifluoromethyl)phenoxy]-3-pyridinecarboxamide diflufenican
 CAS 083164-33-4
 Index 616-032-00-9
 Class'n R52, 53
 Label R52/53
 S61

• 2,4-difluoro-a-(1H-1,2,4-triazol-1-yl)acetophenone hydrochloride
 CAS 086386-75-6
 Index 606-059-00-4
 Class'n Xn: R22 Xi: R41 R43
 Label Xn
 R22, 41, 43
 S(2) 22, 26, 36/37/39
 412-390-3

digitoxin

CAS 000071-63-6
 Index 614-022-00-9
 Class'n T: R23/25 R33
 Label T
 R23/25, 33
 S(1/2), 45
 200-760-5

digol dinitrate

oxydiethylene dinitrate diethyleneglycoldinitrate
 CAS 000693-21-0
 Index 603-033-00-4
 Class'n E: R3 T+: R26/27/28 R33 R52, 53
 Label E, T+
 R3, 26/27/28, 33, 52/53
 S(1/2), 33, 35, 36/37, 45, 61
 211-745-8

mixture of
dihexadecyldimethylammonium chloride
and
trihexadecylmethylammonium chloride

Index 612-156-00-2 (see Part III)
Class'n Xi: R41 N: R50, 53
Label Xi, N
R41, 50/53
S(2), 26, 39, 60, 61
405-620-9

mixture of
1,3-dihex-n-en-1-yl-1,1,3,3-tetramethyldisiloxane
and
1,3-dihex-5-en-1-yl-1,1,3,3-tetramethyldisiloxane

Index 014-016-00-0 (see Part III)
Class'n N: R51, 53
Label N
R51/53
S61
406-490-6

mixture of
1,3-dihex-5-en-1-yl-1,1,3,3-tetramethyldisiloxane
and
1,3-dihex-n-en-1-yl-1,1,3,3-tetramethyldisiloxane

Index 014-016-00-0 (see Part III)
Class'n N: R51, 53
Label N
R51/53
S61
406-490-6

mixture of
dihexyloctylphosphineoxide
and
hexyldioctylphosphine oxide
and
trioctylphosphineoxide

Index 015-149-00-7 (see Part III)
Class'n C: R34 N: R50, 53
Label C, N
R34, 50/53
S(1/2), 26, 36/37/39, 45, 60, 61
403-470-9

2,3-dihydro-2,2-dimethylbenzofuran-7-yl N-
methylcarbamate

carbofuran (ISO)
CAS 001563-66-2
Index 006-026-00-9
Class'n T+: R26/28 N: R50, 53
Label T+, N
R26/28, 50/53
S(1/2), 36/37, 45, 60, 61
216-353-0

2,3-dihydro-2,2-dimethyl-7-benzofuryl [(dibutylamino)thio]
methylcarbamate

carbosulfan
CAS 055285-14-8
Index 006-084-00-5
Class'n T: R23/25 R43 N: R50, 53
Label T, N
R23/25, 43, 50/53
S(1/2), 24, 37, 38, 45, 60, 61
259-565-9

2,3-dihydro-2,2-dimethyl-7-benzo-1,2,4-dimethyl-6-oxa-
5-oxo-3-thia-2,4-diazadecanoate

furathiocarb
CAS 065907-30-4
Index 006-087-00-1
Class'n T+: R26 T: R25 Xn: R48/22 Xi: R36/38
R43 N: R50, 53
Label T+, N
R25, 26, 36/38, 43, 48/22, 50/53
S(1/2), 28, 36/37, 38, 45, 60, 61
265-974-3

5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithiazine-2,3-
dicarbonitrile

dithianon (ISO)
CAS 003347-22-6
index 613-021-00-0
Class'n Xn: R22 N: R50, 53
Label Xn, N
R22, 50/53
S(2), 24, 60, 61
222-098-6

6,7-dihydrodipyrido[1,2a:2',1'-c]pyrazinediylum
dihydroxide

diquat dibromide
diquat dichloride
CAS 094021-76-8
Index 613-089-00-1
Class'n T+: R26 T: R48/25 Xn: R22 Xi: R36/37/38
R43 N: R50, 53
Label T+, N
R22, 26, 36/37/38 43, 48/25, 50/53
S(1/2), 28, 36/37/39, 45, 60, 61
301-467-6

• mixture of
dihydrogenated alkyl (C14-C14)amine
and
N,N-di(hydrogenated alkyl C14-C18)phthalamic acid

Index 607-324-00-7 (see Part III)
Class'n R53
Label R53
S61
413-800-3

• mixture of
N,N-di(hydrogenated alkyl C14-C18)phthalamic acid
and
dihydrogenated alkyl (C14-C14)amine

Index 607-324-00-7 (see Part III)
Class'n R53
Label R53
S61
413-800-3

- 1,2-dihydro-6-hydroxy-4-methyl-1-[3-(1-methylethoxy)propyl]-2-oxo-3-pyridinecarbonitrile

CAS 068612-94-2
 Index 608-029-00-6
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 411-990-2

- 5,6-dihydro-3H-imidazo[2,1-c]-1,2,4-dithiazole-3-thione etem

CAS 033813-20-6
 Index 613-123-00-5
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 251-684-4

- (S)-2,3-dihydro-1H-indole-2-carboxylic acid

CAS 079815-20-6
 Index 607-330-00-X
 Class'n Repr Cat 3. R62 Xn: R48/22 R43
 Label Xn
 R43, 48/22, 62
 S(2), 22, 25, 26, 36/37
 410-860-2

- 2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-ylmethyl-O,O-dimethylphosphorodithioate

metbidathion (ISO)
 CAS 000950-37-8
 Index 015-069-00-2
 Class'n T+: R28 Xn: R21 N: R50, 53
 Label T+, N
 R21, 28, 50/53
 S(1/2), 22, 28, 36/37, 45, 60, 61
 213-449-4

- 2,3-dihydro-2-methylbenzofuran-7-yl methylcarbamate decarbofuran

CAS 001563-67-3
 Index 006-022-00-7
 Class'n T: R23/24/25
 Label T
 R23/24/25
 S(1/2), 13, 36/37, 45

- 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)5-oxo-1H-

imidazol-2-yl]-3-pyridine carboxylate imazapyr
 CAS 081334-34-1
 Index 613-126-00-1
 Class'n Xi: R36 R52, 53
 Label Xi
 R36, 52/53
 S(2), 26, 61

- 2,3-dihydro-6-methyl-5-(N-phenylcarbamoyl)-1,4-oxothiine 4,4-dioxide

oxycarboxin (ISO)
 CAS 005259-88-1
 Index 006-060-00-4
 Class'n Xn: R22 R52, 53
 Label Xn
 R22, 52/53
 S(2), 61
 226-066-2

- 3,4-dihydro-6-methyl-2H-pyran-5-carboxanilide pyracarbolid

CAS 024691-76-7
 Index 616-034-00-X
 Class'n R52, 53
 Label R52/53
 S61
 246-419-4

- mixture of

4-(3,6-dihydro-4-methyl-2H-pyran-2-yl)-2-methoxyphenol

- and

2-methoxy-4-(tetrahydro-4-methylene-2H-pyran-2-yl)-phenol

Index 604-054-00-1 (see Part III)
 Class'n R43 R52, 53
 Label Xi
 R43, 52/53
 S(2), 24, 37, 61
 412-020-0

- 1-(2,3-dihydro-1,3,3,6-tetramethyl-1-(1-methylethyl)-1H-inden-5-yl)ethanone

CAS 092836-10-7
 Index 606-055-00-2
 Class'n Xn: R22, 48/122 N: R51, 53
 Label Xn, N
 R22, 48/22, 51/53
 S(2), 24, 36, 61
 411-180-9

- 1,4-dihydroxybenzene

hydroquinone
 quinol

CAS 000123-31-9
 Index 604-005-00-4
 Class'n Carc Cat 3: R40 Muta Cat 3: R68 Xn: R22 Xi: R41 R43 N: R50
 Label Xn, N
 R22, 40, 41, 43, 50, 68
 S(2), 26, 36/37/39, 61
 204-617-8

- 1,2-dihydroxybenzene

pyrocatechol

CAS 000120-80-9
 Index 604-016-00-4
 Class'n Xn: R21/22 Xi: R36/38
 Label Xn
 R21/22, 36/38
 S(2), 22, 26, 37
 204-427-5

- 5,6-dihydroxyindole

CAS 003131-52-0
 Index 604-063-00-0
 Class'n Xn. R22 Xi: R41 N: R51, 53
 Label Xn, N
 R22, 41, 51/53
 S(2), 22, 26, 36/37/39, 61
 412-130-9

- 4,4'-dihydroxy-3,3'-methylenebis(2H-chromen-2-one)

dicoumarol
 CAS 000066-76-2
 Index 607-060-00-2
 Class'n T R48/25 Xn: R22 N: R51, 53
 Label T, N
 R22, 48/25, 51/53
 S(1/2), 37, 45, 61
 200-632-9

mixture of

1,1'-((dihydroxyphenylene)bis(azo-3,1-phenylenazo(1-(3-dimethylaminopropyl)-1,2-dihydro-6-hydroxy-4-methyl-2-oxopyridine-5,3-diy)))dipyridinium dichloride dihydrochloride, mixed isomers

and

1-(1-(3-dimethylaminopropyl)-5-(3-((4-(1-(3-dimethylaminopropyl)-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-5-pyridino-3-pyridylazo)phenylazo)-2,4-(or 2,6 or 3,5)-dihydroxyphenylazo)phenylazo)-1,2-dihydro-6-hydroxy-4-methyl-2-oxo-3-pyridyl)pyridinium dichloride

Index 611-016-00-8 (see Part III)
 Class'n R43
 Label Xi
 R43
 S(2), 22, 24, 37
 404-540-1

- a,μ-dihydroxypoly(hex-5-en-1-ylmethylsiloxane)

CAS 125613-45-8
 Index 014-023-00-9
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 408-160-7

- mixture of

N-(2,3-dihydroxypropoxymethyl)-2-methylacrylamide

and

N-[3-hydroxy-2-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide

and

N-[2,3-bis-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide

and

methacrylamide

and

2-methyl-N-(2-methylacryloylaminomethoxymethyl)acrylamide

Index 616-057-00-5 (see Part III)
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Xn: R48/22
 Label T
 R45, 48/22
 S53, 45
 412-790-8

- 4-[4-(1,3-dihydroxyprop-2-yl)phenylamino]-1,8-dihydroxy-5-nitroanthraquinone

CAS 114565-66-1
 Index 603-121-00-2
 Class'n Carc Cat 3: R40 R43 R53
 Label Xn
 R40, 43, 53
 S(2), 36/37, 61
 406-057-1

- di-isobutyl ketone

2,6-dimethylheptan-4-one

CAS 000108-83-8
 Index 606-005-00-X
 Class'n R10 Xi: R37
 Label Xi
 R10, 37
 S(2), 24
 203-620-1
 Conc Conc >= 10% Xi: R37

- di-iso propanolamine

1,1'-iminodipropan-2-ol

CAS 000110-97-4
 Index 603-083-00-7
 Class'n Xi: R36
 Label Xi
 R36
 S(2), 26
 203-820-9

- diisopropylamine

CAS 000108-18-9
 Index 612-129-00-5
 Class'n F: R11 Xn: R20/22 C: R34
 Label F, C
 R11, 20/22, 34
 S(1/2), 16, 26, 36/37/39, 45
 203-558-5
 Conc Conc >= 25% C: R20/22, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

- diisopropyl ether Note C

CAS 000108-20-3
 Index 603-045-00-X (see Part III)
 Class'n F: R11 R19 R66 R67
 Label F
 R11, 19, 66, 67
 S(2), 9, 16, 29, 33
 203-560-6

- di-isopropyl ketone

2,4-dimethylpentan-3-one

CAS 000565-80-0
 Index 606-028-00-5
 Class'n F: R11 Xn: R20
 Label F, Xn
 R11, 20
 S(2), 9, 16, 24/25
 209-294-7

O,O-diisopropyl 2-phenylsulphonylaminoethyl
phosphorodithioate
bensulide (ISO)

CAS 000741-58-2
Index 015-083-00-9
Class'n Xn:R22
Label Xn
R22
S(2), 24, 36
212-010-4

NN'-di-isopropylphosphorodiamidic fluoride
mipafox

CAS 000371-86-8
Index 015-062-00-4
Class'n T+: R39/26/27/28
Label T+
R39/26/27/28
S(1/2), 13, 45
206-742-3

diketen Note D
diketene

CAS 000674-82-8
Index 606-017-00-5
Class'n R10 Xn: R20
Label Xn
R10,20
S(2),3
211-617-1

diketene Note D
diketen

CAS 000674-82-8
Index 606-017-00-5
Class'n R10 Xn: R20
Label Xn
R10, 20
S(2),3
211-617-1

dilauroyl peroxide

CAS 000105-74-8
Index 617-003-00-3
Class'n O: R7
Label O
R7
S(2),3/7, 14, 36 37/39
203-326-3

dilithium 6-acetamido-4-hydroxy-3-(4-((2-sulphonatooxy)
ethylsulphonyl)phenylazo)naphthalene-2-sulphonate

Index 016-043-00-3
Class'n R43
Label Xi
R43
S(2),24,37
401-010-1

dilithium disodium (5,5'-diamino-(i-4,4-dihydroxy- 1 :2-
k-2,O4,O4',-3,3'-[3,3'-dihydroxy- 1 :2-k-2-O3,O3'-
biphenyl-4,4'-ylenebisazo-1:2-(N3,N4-eta:N3'-N4'-eta)
]-dinaphthalene-2,7-disulfonato(8)))dicuprate(2-)

CAS 126637-70-5
Index 611-077-00-0
Class'n Xn:R22 R43
Label Xn
R22, 43
S(2), 22, 24, 37
407-230-4

dimefox (ISO)

tetramethylphosphorodiamidic fluoride
CAS 000115-26-4
Index 015-061-00-9
Class'n T+: R27/28
Label T+
R27/28
S(1/2), 23, 28, 36/37, 38, 45
204-076-8

dimepranol (INN)

1-dimethylaminopropan-2-ol
CAS 000108-16-7
Index 603-077-00-4
Class'n R10 Xn:R22 C:R34
Label C
R10, 22, 34
S(1/2), 23, 26, 36, 45
203-556-4

dimercury dichloride

mercurous chloride
calomel
CAS 010112-91-1
Index 080-003-00-1
Class'n Xn: R22 Xi: R36/37/38 N: R50, 53
Label Xn,N
R22, 36/37/38, 50/53
S(2), 13, 24/25, 46, 60, 61
233-307-5

dimercury dicyanide oxide

mercuric oxycyanide
CAS 001335-31-5
Index 080-006-00-8
Class'n E: R3 T: R23/24/25 R33 N: R50, 53
Label E,T,N
R3, 23/24/25, 33, 50/53
S(1/2), 28, 35, 45, 60, 61
215-629-8

dimetan

5,5-dimethyl-3-oxocyclohex-1-enyl dimethylcarbamate 5,5-
dimethyldihydroresorcinol dunethylcarbamate
CAS 000122-15-6
Index 006-010-00-1
Class'n T:R25
Label T
R25
S(1/2), 36/37,45
204-525-8

dimethachlor

2-chloro-N-(2,6-dimethylphenyl)-N-(2-methoxyethyl)acetamide
 CAS 050563-36-5
 Index 616-031-00-3
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 24, 37, 60, 61
 256-625-6

dimethoate (ISO)

O,O-dimethyl methylcarbamoylmethyl phosphorodithioate
 CAS 000060-51-5
 Index 015-051-00-4
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2), 36/37
 200-480-3

3,3'-dimethoxybenzidine Note E

o-dianisidine
 CAS 000119-90-4
 Index 612-036-00-X
 Class'n Carc Cat 2: R45 Xn: R22
 Label T
 R45, 22
 S53, 45
 204-355-4

3,3'-dimethoxybenzidine, salts of Notes A and E

o-dianisidine, salts of
 Index 612-037-00-5
 Class'n Carc Cat 2: R45 Xn: R22
 Label T
 R45, 22
 S53, 45

● 4,4-dimethoxybutylamine

CAS 019060-15-2
 Index 612-174-00-0
 Class'n Xn: R22 C: R34 R43 R52, 53
 Label C
 R22, 34, 43, 52/53
 S(1/2), 26, 36/37/39, 45, 61
 407-690-6

■ 1,2-di-(3-methoxycarbonyl-2-thioureido)benzene thiophanate-methyl (ISO)

CAS 023564-05-8
 Index 006-069-00-3
 Class'n Muta Cat 3: R68 Xn: R20 R43 N: R50, 53
 Label Xn, N
 R20, 43, 50/53, 68
 S(2), 36/37, 46, 60, 61
 245-740-7

1,2-dimethoxyethane

ethylene glycol dimethylether
 CAS 000110-71-4
 Index 603-031-00-3
 Class'n R10 R19 Xn: R20
 Label Xn
 R10, 19, 20
 S(2), 24/25
 203-794-9

1,1-dimethoxyethane

dimethylacetal
 CAS 000534-15-6
 Index 605-007-00-8
 Class'n F: R11
 Label F
 R11
 S(2), 9, 16, 33
 208-589-8

1,2-dimethoxypropane

CAS 007778-85-0
 Index 603-100-00-8
 Class'n F: R11, 19
 Label F
 R11, 19
 S(2), 9, 16, 24/25, 33
 404-630-0

● 1-(4,6-dimethoxypyrimidin-2-yl)-3-(2-ethoxyphenoxy)sulfonylurea

ethoxysulfuron
 CAS 126801-58-9
 Index 016-082-00-6
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61

● 1-(4,6-dimethoxypyrimidin-2-yl)-3-[1-methyl-4-(2-methyl-2H-tetrazol-5-yl)pyazol-5-ylsulfonyl]urea

azimsulfuron (ISO)
 CAS 120162-55-2
 Index 613-163-00-3
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61

● 1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifluoromethyl-2-pyridyl)sulfonylurea

flazasulfuron
 CAS 104040-78-0
 Index 016-085-00-2
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61

**2,3-dimethoxystrychnine
brucine**

CAS 000357-57-3
 Index 614-006-00-1
 Class'n T+: R26/28 R52, 53
 Label T+
 R26/28,52/53
 S(1/2), 13,45,61
 206-614-7

dimethyl acetal

1,1-dimethoxyethane
 CAS 000534-15-6
 Index 605-007-00-8
 Class'n F: R11
 Label F
 R11
 S(2),9,16,33
 208-589-8

N,N-dimethylacetamide Note E

CAS 000127-19-5
 Index 616-011-00-4
 Class'n Repr Cat 2: R61 Xn: R20/21
 Label T
 R61,20/21
 S53,45
 204-826-4
 Conc Conc >= 25% T: R61,20/21
 Conc >= 5% and < 25% T: T61

**O S-dimethyl acetylphosphoramidothioate
acephate (ISO)**

CAS 030560-19-1
 Index 015-079-00-7
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 36
 250-241-2

**4-dimethylaminobenzenediazonium 3-carboxy-4-
hydroxybenzenesulfonate**

Index 611-022-00-0
 Class'n E: R2 T: R23/25 Xn: R21, 48/22 Xi: R41
 R43 N: R50,53
 Label E, T, N
 R2,21,23/25,41,43,48/22,50/53
 S(1/2)3, 12,26,35,36/37/39,45,61
 404-980-4

2-dimethylaminoethanol**N,N-dimethylethanolamine**

CAS 000108-01-0
 Index 603-047-00-0
 Class'n R10 Xn: R20/21/22 C: R34
 Label C
 R10,20/21/22,34
 S(1/2), 25,26,36/37/39,45
 203-542-8
 Conc Conc >= 25% C: R20/21/22,34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

**• 2-[(2-[2-(dimethylamino)ethoxy]ethyl)methylamino]
ethanol**

CAS 083016-70-0
 Index 603-146-00-9
 Class'n Xn: R22 C: R34 R52, 53
 Label C
 R22,34,52/53
 S(1/2),23,26,36/37/39,45,61
 406-080-7

2-dimethylaminoethylamine**2-aminoethyl dimethylamine**

CAS 000108-00-9
 Index 612-075-00-2
 Class'n F: R11 Xn: R21/22 C: R35
 Label F, C
 R11,21/22,35
 S(1/2),16,23,26,28,36,45
 203-541-2

2-dimethylaminoethyl methacrylate Note D

CAS 002867-47-2
 Index 607-132-00-3
 Class'n Xn: R21/22 Xi: R36/38 R43
 Label Xn
 R21/22,36/38,43
 S(2),26,28
 220-688-8
 Conc Conc >= 25% Xn: R21/22,36/38,43
 Conc >= 10% and < 25% Xi: R36/38,43
 Conc >= 1% and < 10% Xi: R43

**α-[4-(4-dimethylamino-α-{4-[ethyl(3-
sodiumsulphonatobenzyl)amino]phenyl)benzylidene)
cyclohexa-2,5-dienylidene(ethyl)ammonio] toluene-3-
sulphonate
benzyl violet 4B**

CAS 001694-09-3
 Index 650-010-00-X
 Class'n Carc Cat 3: R40
 Label Xn
 R40
 S(2), 36/37
 216-901-9

6-dimethylaminohexan-1-ol

CAS 001862-07-3
 Index 603-118-00-6
 Class'n Xn: R22 C: R34 R52, 53
 Label C
 R22,34,52/53
 S(1/2),26,36/37/39,45,61
 404-680-3

**3-(N,N-dimethylaminomethyleneamino)phenyl N-
methylcarbamate
formetanate**

CAS 022259-30-9
 Index 006-031-00-6
 Class'n T+: R26/28 R43 N: R50,53
 Label T+, N
 R26/28,43,50/53
 S(1/2),24,28,37/39,45,60,61
 244-879-0

3-(N,N-dimethylaminomethyleneamino)phenyl N-methylcarbamate

formetanate hydrochloride
 CAS 023422-53-9
 Index 006-052-00-0
 Class'n T+: R26/28 R43 N: R50,53
 Label T+,N
 R26/28, 43, 50/53
 S(1/2), 24, 28, 37/39, 45, 60, 61
 245-656-0

1-dimethylaminopropan-2-ol
dimepranol (INN)

CAS 000108-16-7
 Index 603-077-00-4
 Class'n R10 Xn: R22 C: R34
 Label C
 R10, 22, 34
 S(1/2), 23, 26, 36, 45
 203-556-4

• mixture of

3-(N-(3-dimethylaminopropyl)-(C4-8)
 perfluoroalkylsulfonamido)propionic acid

and

N-[dimethyl-3-(C4-8)perfluoroalkylsulfonamido]
 propylammonium propionate

and

3-(N-(3-dimethyl-propylammonium)-(C4-8)
 perfluoroalkylsulfonamido)propionic acid propionate

Index 607-344-00-6 (see Part 111)
 Class'n Xn: R48/22
 Label Xn
 R48/22
 S(2), 21, 22, 36/37
 407-810-7

mixture of

1-(1-(3-dimethylaminopropyl)-5-(3-((4-(1-(3-
 dimethylaminopropyl)-1,6-dihydro-2-hydroxy-4-
 methyl-6-oxo-5-pyridino-3-pyridylazo)phenylazo)-2,4
 (or2,6 or3,5)-dihydroxyphenylazo)phenylazo)-1,2-
 dihydro-6-hydroxy-4-methyl-2-oxo-3-pyridl)
 pyridinium dichloride

and

1,1'-((dihydroxyphenylene)bis(azo-3,1-phenylenazo(1-
 (3-dimethylaminopropyl)-1,2-dihydro-6-hydroxy-4-
 methyl-2-oxopyridine-5,3-diyll)))dipyridinium
 dichloride dihydrochloride, mixed isomers

Index 611-016-00-8 (see Part 111)
 Class'n R43
 Label Xi
 R43
 S(2), 22, 24, 37
 404-540-1

3-(dimethylamino)propylurea

CAS 031506-43-1
 Index 006-073-00-5
 Class'n Xi:R41
 Label Xi
 R41
 S(2), 26, 39
 401-950-2

N-dimethylaminosuccinamic acid
daminozide

CAS 001596-84-5
 Index 607-171-00-6
 Class'n Carc Cat3: R40
 Label Xn
 R40
 S(2), 36/37
 216-485-9

4-dimethylamino-3-tolyl methylcarbamate
aminocarb (ISO)

CAS 002032-59-9
 Index 006-018-00-5
 Class'n T: R24/25 N: R50, 53
 Label T, N
 R24/25, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 217-990-7

N,N-dimethylaniline

CAS 000121-69-7
 Index 612-016-00-0
 Class'n Carc Cat 3: R40 T: R23/24/25 N: R51, 53
 Label T, N
 R23/24/25, 40, 51/53
 S(1/2), 28, 36/37, 45, 61
 204-493-5

• 2,6-dimethylaniline

2,6-xylidine
 CAS 000087-62-7
 Index 612-161-00-X
 Class'n Carc Cat 3: R40 Xn: R20/21/22 Xi: R37/38 N:
 R51, 53
 Label Xn, N
 R20/21/22, 37/38, 40, 51/53
 S(2), 23, 25, 36/37, 61
 201-758-7

n dimethyl anilines with the exception of those specified
elsewhere in the Approved Supply list ^{Note C}
xylidines with the exception of those specified elsewhere in the
Approved Supply list

Index 612-027-00-0
 Class'n T: R23/24/25 R33 N: R51, 53
 Label T, N
 R23/24/25, 33, 51/53
 S(1/2), 28, 36/37, 45, 61

2,2'-dimethyl-2,2'-azodipropionitrile
ADZN

CAS 000078-67-1
 Index 608-019-00-1
 Class'n E: R2 F: R11 Xn: R20/22 R52, 53
 Label E, Xn
 R2, 11, 20/22, 52/53
 S(2), 39, 41, 47, 61
 201-132-3

N,N-dimethylbenzene-1,3-diamine Note C

CAS 000099-98-9
 Index 612-031-00-2 (see Part III)
 Class'n T:R23/24/25
 Label T
 R23/24/25
 S(1/2), 28,45
 202-807-5

N,N-dimethylbenzene-1,3-diamine Note C

CAS 002836-04-6
 Index 612-031-00-2 (see Part III)
 Class'n T:R23/24/25
 Label T
 R23/24/25
 S(1/2), 28,45
 220-623-3

N,N'-dimethylbenzidine

CAS 002810-74-4
 Index 612-043-00-8
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2), 22,36

3,3'-dimethylbenzidine, salts of Notes A and E

4,4'-bi-o-toluidine, saltsof
 o-toluidine, salts of
 CAS 000612-82-8
 Index 612-081-00-5
 Class'n Carc Cat2:-R45 Xn:R22 N:R51,53
 Label T,
 R45,22,51/53
 S53,45,61
 210-322-5

3,3'-dimethylbenzidine, salts of Notes A and E

4,4'-bi-o-toluidine, saltsof
 o-toluidine, saltsof
 CAS 064969-36-4
 Index 612-081-00-5
 Class'n Carc Cat 2: R45 Xn: R22 N: R51, 53
 Label TN
 R45,22,51/53
 S53,45,61
 265-294-7

3,3'-dimethylbenzidine, salts of Notes A and E

4,4'-bi-o-toluidine, saltsof
 o-toluidine, saltsof
 CAS 074753-18-7
 Index 612-081-00-5
 Class'n Carc Cat2: R45 Xn: R22 N: R51,53
 Label TN
 R45,22,51/53
 S53,45,61
 277-985-0

2,2-dimethyl-1,3-benzodioxol-4-ol

CAS 022961-82-6
 Index 604-022-00-7
 Class'n Xi:R41
 Label Xi
 R41
 S(2), 24,26,39
 400-900-7

2,2-dimethyl-1,3-benzodioxol-4-yl N-methylcarbamate
bendiocarb (ISO)

CAS 022781-23-3
 Index 006-046-00-8
 Class'n T:R23/25 Xn:R21 N:R50,53
 Label TN
 R21,23/25,50/53
 S(1/2), 22,36/37,45,60,61
 245-216-8

• 3,5-dimethylbenzoyl chloride

CAS 006613-44-1
 Index 607-366-00-6
 Class'n C:R34 R43
 Label C
 R34,43
 S(1/2), 26,36/37/39,45
 413-010-9

aa-dimethylbenzyl hydroperoxide

cumenehydroperoxide
 CAS 000080-15-9
 Index 617-002-00-8
 Class'n O: R7 T: R23 Xn: R21/22,48/20/22 C: R34
 N: R51,53
 Label O,T,N
 R7, 21/22, 23, 34, 48/20/22, 51/53
 S(1/2), 3/7,14,36/37/39,45,50,61
 201-254-7
 Conc Conc >= 25% T: R21/22,23,34,48/20/22
 Conc >= 10% and < 25% C: R20,34,48/20/22
 Conc >= 3% and < 10% Xn: R20, 37/38,41
 Conc >= 1% and < 3% Xi: R36/37

α-((dimethyl)biphenyl)-omega-hydroxypoly(oxyethylene),
mixture of isomers

Index 603-130-00-1
 Class'n Xn:R22 R52,53
 Label Xn
 R22,52/53
 S(2), 39,61
 406-325-8

n 1,1-dimethyl-4,4'-bipyridinium dichloride

paraquat dichloride
 paraquat dimethylsulfate
 1,1-dimethyl-4,4'-bipyridinium dimethylsulphate
 CAS 001910-42-5
 Index 613-090-00-7
 Class'n T+: R26 T: R24/25,48/25 Xi: R36/37/38 N:
 R50,53
 Label T+, N
 R24/25,26,36/37/38,48/25,50/53
 S(1/2), 22, 28, 36/37/39, 45, 60, 61
 217-615-7

1,1-dimethyl-4,4'-bipyridinium dimethylsulphate

paraquat dichloride
1,1-dimethyl-4,4'-bipyridinium dichloride
paraquat dimethylsulfate
CAS 002074-50-2
Index 613-090-00-7
Class'n T+: R26 T: R24/25, 48/25 Xi: R36/37/38 N:
R50, 53
Label T+, N
R24/25, 26, 36/37/38, 48/25, 50/53
S(1/2), 22, 28, 36/37/39, 45, 60, 61
218-196-3

dimethylcarbamoyl chloride Note E

CAS 000079-44-7
Index 006-041-00-0
Class'n Carc Cat 2: R45 T: R23 Xn: R22 Xi: R36/37/38
Label T
R45, 22, 23, 36/37/38
S53, 45
201-208-6
Conc Conc >= 25% T: R45, 22, 23, 36/37/38
Conc >= 20% and < 25% T: R45, 20, 36/37/38
Conc >= 3% and < 20% T: R45, 20
Conc >= 0.001% and < 3% T: R45

**1-dimethylcarbamoyl-5-methylpyrazol-3-yl
dimethylcarbamate**

dimetilan (ISO)
CAS 000644-64-4
Index 613-047-00-2
Class'n T: R25 Xn: R21 N: R50, 53
Label T, N
R21, 25, 50/53
S(1/2), 36/37, 45, 60, 61
211-420-0

**N',N'-dimethylcarbamoyl(methylthio)methylenamine N-
methylcarbamate**

oxamyl
CAS 023135-22-0
Index 006-059-00-9
Class'n T+: R26/28 Xn: R21 N: R51, 53
Label T+, N
R21, 26/28, 51/53
S(1/2), 36/37, 45, 61
245-445-3

**(Z)-2-dimethylcarbamoyl-1-methylvinyl dimethyl
phosphate**

dicrotophos (ISO)
CAS 000141-66-2
Index 015-073-00-4
Class'n T+: R28 T: R24 N: R50, 53
Label T+, N
R24, 28, 50/53
S(1/2), 28, 36/37, 45, 60, 61
205-494-3

**1-(N,N-dimethylcarbamoyl)-3-tert-butyl-5-
carbethoxymethylthio-1H-1,2,4-triazole**

CAS 110895-43-7
Index 607-368-00-7
Class'n T: R23/25 N: R50, 53
Label T, N
R23/25, 50/53
S(1/2), 37, 38, 45, 60, 61
411-650-3

dimethyl carbonate

CAS 000616-38-6
Index 607-013-00-6
Class'n F: R11
Label F
R11
S(2), 9, 16
210-478-4

**N,N-dimethyl-2-(3-(4-chlorophenyl)-4,5-dihydropyrazol-1-
ylphenylsulphonyl)ethylamine**

CAS 010357-99-0
Index 613-073-00-4
Class'n Xn: R48/22 R43 N: R51, 53
Label Xn, N
R43, 48/22, 51/53
S(2), 24, 37, 61
401-410-6

mixture of

N-[dimethyl-3-(C4-8)perfluoroalkylsulfonamido]
propylammoniumpropionate
and
3-(N-(3-dimethylaminopropyl)-(C4-8)
perfluoroalkylsulfonamido)propionic acid
and
3-(N-(3-dimethyl-propylammonium)-(C4-8)
perfluoroalkylsulfonamido)propionic acid propionate
Index 607-344-00-6 (see Part III)
Class'n Xn: R48/22
Label Xn
R48/22
S(2), 21, 22, 36/37
407-810-7

1,4-dimethylcyclohexane

CAS 000589-90-2
Index 601-019-00-2
Class'n F: R11 Xn: R65 Xi: R38 R67 N: R51, 53
Label F, Xn, N
R11, 38, 51/53, 65, 67
S(2), 9, 16, 33, 61, 62
209-663-2
Conc Note 4



N,N-dimethyl-1,3-diaminopropane

3-aminopropyl dimethylamine

CAS 000109-55-7

Index 612-061-00-6

Class'n R10 Xn: R22 C: R34 R43

Label C

R10, 22, 34, 43

S(1/2), 26, 36/37/39, 45

203-680-9

Conc Conc >= 25% C: R22, 34, 43

Conc >= 10% and < 25% C: R34, 43

Conc >= 5% and < 10% Xi: R36/38, 43

Conc >= 1% and < 5% Xi: R43

dimethyldichlorosilane

CAS 000075-78-5

index 014-003-00-X

Class'n F: R11 Xi: R36/37/38

Label F, Xi
R11, 36/37/38

S(2)

200-901-0

3,5-dimethyl-4-dimethylaminophenyl N-methylcarbamate

mexacarbamate (ISO)

CAS 000315-18-4

Index 006-054-00-1

Class'n T+: R28 Xn: R21 N: R50, 53

Label T+, N

R21, 28, 50/53

S(1/2), 36/37, 45, 60, 61

206-249-3

5,6-dimethyl-2-dimethylamino-pyrimidin-4-yl N,N-dimethylcarbamate

pirimicarb (ISO)

CAS 023103-98-2

Index 006-035-00-8

Class'n T: R25 N: R50, 53

Label T, N

R25, 50/53

S(1/2), 22, 37, 45, 60, 61

245-430-1

• dimethyldioctadecylammonium chloride

DODMAC

CAS 000107-64-2

index 612-162-00-5

Class'n Xi: R41 N: R50, 53

Label Xi, N

R41, 50/53

S(2), 24, 26, 39, 46, 60, 61

203-508-2

dimethyldioctadecylammonium hydrogen sulfate

CAS 123312-54-9

Index 612-115-00-9

Class'n Xi: R36 R53

Label Xi

R36, 53

S(2), 26, 39, 61

404-050-8

2-(4,4-dimethyl-2,5-dioxooxazolidin-1-yl)-2'-chloro-5'-(2-(2,4-di-tert-pentylphenoxy)butyramido)-4,4-dimethyl-3-oxovaleranimide

Index 616-024-00-5

Class'n E: R2 R53

Label E

R2, 53

S(2), 61

402-260-4

**■ N,N-dimethyl-2,2-diphenylacetamide
diphenamid (ISO)**

CAS 000957-51-7

Index 616-007-00-2

Class'n Xn: R22 R52, 53

Label Xn

R22, 52/53

S(2), 61

213-482-4

1,2-dimethyl-3,5-diphenylpyrazolium methylsulphate

difenzoquat methyl sulfate

CAS 043222-48-6

Index 613-056-00-1

Class'n Xn: R22 N: R50, 53

Label Xn, N

R22, 50/53

S(2), 60, 61

256-152-5

N,N-dimethylethanolamine

2-dimethylaminoethanol

CAS 000108-01-0

Index 603-047-00-0

Class'n R10 Xn: R20/21/22 C: R34

Label C

R10, 20/21/22, 34

S(1/2), 25, 26, 36/37/39, 45

203-542-8

Conc Conc >= 25% C: R20/21/22, 34

Conc >= 10% and < 25% C: R34

Conc >= 5% and < 10% Xi: R36/37/38

dimethyl ether

CAS 000115-10-6

Index 603-019-00-8

Class'n F+: R12

Label F+

R12

S(2), 9, 16, 33

204-065-8

● N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide

CAS 003741-80-8

Index 613-180-00-6

Class'n N: R50, 53

Label N

R50/53

S60, 61

407-430-1

mixture of

and O,O-di(1-methylethyl)pentathio-bis-thioformate

and O,O-di(1-methylethyl)trithio-bis-thioformate

and O,O-di(1-methylethyl)tetrathio-bis-thioformate

Index 607-209-00-1 (see Part III)
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 36/37, 60, 61
 403-030-6

4-[2-[4-(1,1-dimethylethyl)phenyl]-ethoxy]quinazoline

CAS 120928-09-8
 Index 613-159-00-1
 Class'n T: R25 Xn: R20 N: R50, 53
 Label T, N
 R20, 25, 50/53
 S(1/2), 37, 45, 60, 61
 410-580-0

mixture of

and O,O-di(1-methylethyl)tetrathio-bis-thioformate

and O,O-di(1-methylethyl)trithio-bis-thioformate

and O,O-di(1-methylethyl)pentathio-bis-thioformate

Index 607-209-00-1 (see Part III)
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 36/37, 60, 61
 403-030-6

mixture of

and O,O-di(1-methylethyl)trithio-bis-thioformate

and O,O-di(1-methylethyl)tetrathio-bis-thioformate

and

Index 607-209-00-1 (see Part III)
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 36/37, 60, 61
 403-030-6

dimethyl formamide Note E

CAS 000068-12-2
 Index 616-001-00-X
 Class'n Repr Cat 2: R61 Xn: R20/21 Xi: R36
 Label T
 R61, 20/21, 36
 S53, 45
 200-679-5

2,6-dimethylheptan-4-one

di-isobutyl ketone
 CAS 000108-83-8
 Index 606-005-00-X
 Class'n R10 Xi: R37
 Label Xi
 R10, 37
 S(2), 24
 203-620-1
 Conc Conc >= 10% Xi: R37

N,N-dimethylhydrazine Note E

1,1-dimethylhydrazine
 CAS 000057-14-7
 Index 007-012-00-5
 Class'n F: R11 Carc Cat 2: R45 T: R23/25 C: R34 N:
 R51, 53
 Label F, T, N
 R45, 11, 23/25, 34, 51/53
 S53, 45, 61
 200-316-0

1,1-dimethylhydrazine Note E

N,N-dimethylhydrazine
 CAS 000057-14-7
 Index 007-012-00-5
 Class'n F: R11 Carc Cat 2: R45 T: R23/25 C: R34 N:
 R51, 53
 Label F, T, N
 R45, 11, 23/25, 34, 51/53
 S53, 45, 61
 200-316-0

N,N-dimethylhydrazine Note E

1,2-dimethylhydrazine
 CAS 000540-73-8
 Index 007-013-00-0
 Class'n Car Cat 2: R45 T: R23/24/25 N: R51, 53
 Label T, N
 R45, 23/24/25 51/53
 Conc Conc >= 25% T: R45, 23/24/25
 Conc >= 3% and < 25% T: R45, 20/21/22
 Conc >= 0.01% and < 3% T: R45

1,2-dimethylhydrazine Note E

N,N-dimethylhydrazine
 CAS 000540-73-8
 Index 007-013-00-0
 Class'n Carc Cat 2: R45 T: R23/24/25 N: R51, 53
 Label T, N
 R45, 23/24/25, 51/53
 S53, 45, 61
 Conc Conc >= 25% T: R45, 23/24/25
 Conc >= 3% and < 25% T: R45, 20/21/22
 Conc >= 0.01% and < 3% T: R45

3-(2,2-dimethyl-3-hydroxypropyl)toluene

2,2-dimethyl-3-(3-methylphenyl)propanol
 CAS 103694-68-4
 Index 603-138-00-5
 Class'n R52, 53
 Label R52/53
 S61
 403-140-4

1,2-dimethylimidazole

CAS 001739-84-0
 Index 613-034-00-1
 Class'n Xn: R22 Xi: R38, 41
 Label Xn
 R22,38,41
 S(2),24,26
 217-101-2

6-(2,3-dimethylmaleimido)hexyl methacrylate

CAS 063740-41-0
 Index 607-222-00-2
 Class'n R43 N: R51,53
 Label Xi, N
 R43,51/53
 S(2),24,37,61
 404-870-6

dimethylmercury**diethylmercury**

CAS 000593-74-8
 Index 080-007-00-3
 Class'n T+: R26/27/28 R33 N: R50,53
 Label T+, N
 R26/27/28,33,50/53
 S(1/2),13,28,36,45,60,61
 209-805-3
 Conc Note 1
 Conc >=0.5% T+: R26/27/28,33
 Conc >=0.1% and <0.5% T: R23/24/25,33
 Conc >=0.05% and <0.1% Xn: R20/21/22,33

O,O-dimethyl S-2-(1-methylcarbamoylthio) ethyl phosphorothioate vamiidothion (ISO)

CAS 002275-23-2
 Index 015-059-00-8
 Class'n T: R25 Xn: R21 N: R50
 Label T, N
 R21,25,50
 S(1/2),36/37,45,61
 218-894-8

O,O-dimethyl methylcarbamoylmethyl phosphorodithioate**dimethoate (ISO)**

CAS 000060-51-5
 Index 015-051-00-4
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2),36/37
 200-480-3

O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate**omethoate (ISO)**

CAS 001113-02-6
 Index 015-066-00-6
 Class'n T R25 Xn: R21 N: R50
 Label T, N
 R21,25,50
 S(1/2),23,36/37,45,61
 214-197-8

• mixture of

6,9-dimethyl-2-methylen-5,9-cyclododecadien-1-01

and

2,6,9-trimethyl-2,5,9-cyclododecatrien- 1-01

CAS 111850-00-1
 Index 603-144-00-8(see Part III)
 Class'n N: R51,53
 Label N
 R51/53
 S61
 413-530-6

2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine)

CAS 006864-37-5
 Index 612-110-00-1
 Class'n T: R23/24 Xn: R22 C: R35 N: R51,53
 Label T, C, N
 R22,23/24,35,51/53
 S(1/2)26,36/37/39,45,61
 229-962-1

dimethyl-1-methyl-2-(methylcarbamoyl)vinyl phosphate monocrotophos (ISO)

CAS 006923-22-4
 Index 015-072-00-9
 Class'n Muta Cat 3: R 68 T+: R26/28 T: R24 N: R50,53
 Label T+, N
 R24,26/28,50/53,68
 S(1/2)36/37,45,60,61
 230-042-7

dimethyl(3-methyl-4-(5-nitro-3-ethoxycarbonyl-2-thienyl) azo)phenylnitridodipropionate

Index 607-173-00-7
 Class'n R43 R52,53
 Label Xi
 R43,52/53
 S(2),24,37,61
 400-460-6

• 1 2,4-dimethyl-6-(1-methyl-pentadecyl) phenol

Index 604-062-00-5
 Class'n Xi: R38 R43 N: R50,53
 Label Xi, N
 R38,43,50/53
 S(2),24,37,60,61
 411-220-5

2,2-dimethyl-3-(3-methylphenyl)propanol**3-(2,2-dimethyl-3-hydroxypropyl)toluene**

CAS 103694-68-4
 Index 603-138-00-5
 Class'n R52,53
 Label R52/53
 S61
 402-140-4

3,3-dimethyl-1-(methylthio)butanone-O-(N-methylcarbamoyl)oxime thiofanox

CAS 039196-18-4
 Index 006-064-00-6
 Class'n T+: R27/28 N: R50, 53
 Label T+,N
 R27/28, 50/53
 S(1/2), 27, 36/37, 45, 60, 61
 254-346-4

O,O-dimethyl-S-(morpholinocarbonylmethyl)phosphorodithioate morphothion

CAS 000144-41-2
 Index 015-058-00-2
 Class'n T R23/24/25 N: R50, 53
 Label T,N
 R23/24/25, 50/53
 S(1/2), 13, 45, 60, 61
 205-628-0

O,O-dimethyl O-2-methylthioethyl phosphorothioate demephion-O (ISO)

CAS 000682-80-4
 Index 015-1 16-00-7
 Class'n T+: R28 T R24
 Label T+
 R24, 28
 S(1/2), 28, 36/37, 45
 21 1-666-9

• dimethyl 3,3'-(N-(4-(4-bromo-2,6-dicyanophenylazo)-3-hydroxyphenyl)imino)dipropionate

CAS 122630-55-1
 Index 61 1-073-00-9
 Class'n R53
 Label R53
 S61
 407-31 0-9

O,O-dimethyl S-2-methylthioethyl phosphorothioate demephion-S (ISO)

CAS 002587-90-8
 Index 015-1 17-00-2
 Class'n T+: R28 T: R24
 Label T+
 R24, 28
 S(1/2), 28, 36/37, 45
 219-971-9

O,O-dimethyl O-4-nitrophenyl phosphorothioate parathion-methyl (ISO)

CAS 000298-00-0
 Index 015-035-00-7
 Class'n T+: R28 T: R24
 Label T+
 R24, 28
 S(1/2), 28, 36/37, 45
 206-050-1

■ O,O-dimethyl-O-(4-methylthion-m-tolyl)phosphorothioate fenthion(ISO)

CAS 000055-38-9
 Index 015-048-00-8
 Class'n Muta Cat 3: R68 T: R23, 48/25 Xn: R21/22 N: R50, 53
 Label T, N
 R21/22, 23 48/25, 50/53, 68
 S(1/2), 36/37, 45, 60, 61
 200-231-9

■ dimethylnitrosoamine Note E

N-nitrosodimethylamine
 CAS 000062-75-9
 Index 612-077-00-3
 Class'n Carc Cat 2: R45 T+: R26 T: R25, 48/25 N: R51, 53
 Label T+, N
 R45, 25, 26, 48/25, 51/53
 S53, 45, 61
 200-549-8
 Conc Conc >= 25% T+: R45, 25, 26, 48/25
 Conc >= 10% and < 25% T+: R45, 22, 26, 48/25
 Conc >= 7% and < 10% T+: R45, 22, 26, 48/22
 Conc >= 3% and < 7% T: R45, 22, 23, 48/22
 Conc >= 1% and < 3% T: R45, 23, 48/22
 Conc >= 0.1% and < 1% T: R45, 20
 Conc >= 0.001% and < 0.1% T: R45

3,5-dimethyl-4-methylthiophenyl N-methylcarbamate mercaptodimethur(ISO) methiocarb

CAS 002032-65-7
 Index 006-023-00-2
 Class'n T: R25 N: R50, 53
 Label T,N
 R25, 50/53
 S(1/2), 22, 37, 45, 60, 61
 217-991-2

O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate fenitrothion(ISO)

CAS 000122-14-5
 Index 015-054-00-0
 Class'n Xn: R22 N: R50, 53
 Label Xn,N
 R22, 50/53
 S(2), 60, 61
 204-524-2

dimethyl 4-(methylthio)phenyl phosphate

CAS 003254-63-5
 Index 015-119-00-3
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 28, 36/37, 45

3,7-dimethyloctanenitrile

CAS 040188-41-8
 Index 608-022-00-8
 Class'n Xi: R38 R43 N: R51, 53
 Label Xi,N
 R38, 43, 51/53
 S(2), 36/37, 61
 403-620-3

7,7-dimethyl-3-oxa-6-azaocetan-1-ol

Index 603-089-00-X
 Class'n C:R35 Xn:R22
 Label C
 R22, 35
 S(1/2), 26, 28, 36/37/39, 45
 400-390-6

0,0-dimethyl 4-oxobenzotriazin-3-ylmethyl

phosphorodithioate
 azinphos-methyl(ISO)
 CAS 000086-50-0
 Index 015-039-00-9
 Class'n T+: R26/28 T: R24 R43 N: R50, 53
 Label T+, N
 R24, 26/28, 43, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 201-676-1

5,5-dimethyl-3-oxocyclohex-1-enyl dimethylcarbamate 5,5-dimethyldihydroresorcinol dimethylcarbamate

dimetan
 CAS 000122-15-6
 Index 006-010-00-1
 Class'n T: R25
 Label T
 R25
 S(1/2), 36/37, 45
 204-525-8

4-(4,4-dimethyl-3-oxo-pyrazolidin-1-yl)-benzoic acid

CAS 107144-30-9
 Index 607-322-00-6
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22, 51/53
 S(2), 22, 61
 413-120-7

2,4-dimethylpentan-3-one

di-isopropyl ketone
 CAS 000565-80-0
 Index 606-028-00-5
 Class'n F: R11 Xn: R20
 Label F, Xn
 R11, 20
 S(2), 9, 16, 24/25
 209-294-7

1,1-dimethyl-3-(perhydro-4,7-methanoinden-5-yl)urea

noruron (ISO)
 CAS 002163-79-3
 Index 006-058-00-3
 Class'n Xn: R22
 Label Xn
 R22
 S(2)

3,4-dimethylphenol Note C

CAS 000095-65-8
 Index 604-006-00-X (see Part III)
 Class'n T: R24/25 C: R34 N: R51, 53
 Label T, N
 R24/25, 34, 51/53
 S(1/2), 26, 36/37/39, 45, 61
 202-439-5

2,5-dimethylphenol Note C

CAS 000095-87-4
 Index 604-006-00-X (see Part III)
 Class'n T: R24/25 C: R34 N: R51, 53
 Label T, N
 R24/25, 34, 51/53
 S(1/2), 26, 36/37/39, 45, 61
 202-461-5

2,4-dimethylphenol Note C

CAS 000105-67-9
 Index 604-006-00-X (see Part III)
 Class'n T: R24/25 C: R34 N: R51, 53
 Label T, N
 R24/25, 34, 51/53
 S(1/2), 26, 36/37/39, 45, 61
 203-321-6

2,3-dimethylphenol Note C

CAS 000526-75-0
 Index 604-006-00-X (see Part III)
 Class'n T: R24/25 C: R34 N: R51, 53
 Label T, N
 R24/25, 34, 51/53
 S(1/2), 26, 36/37/39, 45, 61
 208-395-3

2,6-dimethylphenol Note C

CAS 000576-26-1
 Index 604-006-00-X (see Part III)
 Class'n T: R24/25 C: R34 N: R51, 53
 Label T, N
 R24/25, 34, 51/53
 S(1/2), 26, 36/37/39, 45, 61
 209-400-1

dimethylphenol Note C

CAS 001300-71-6
 Index 604-006-00-X (see Part III)
 Class'n T: R24/25 C: R34 N: R51, 53
 Label T, N
 R24/25, 34, 51/53
 S(1/2), 26, 36/37/39, 45, 61
 215-089-3

2,4(or 2,5)-dimethylphenol Note C

CAS 071975-58-1
 Index 604-006-00-X (see Part III)
 Class'n T: R24/25 C: R34 N: R51, 53
 Label T, N
 R24/25, 34, 51/53
 S(1/2), 26, 36/37/39, 45, 61
 276-245-4

3,5-dimethylphenol

3,5-xylenol

CAS 000108-68-9

Index 604-037-00-9

Class'n T: R24/25 C: R34

Label T

R24/25, 34

S(1/2), 26, 28, 36/37/39, 45
203-605-5• (R)-2-[(2,6-dimethylphenyl)-methoxyacetylamino]
propionic acid methyl ester

metalaxyl-M (ISO)

mefenoxam

CAS 070630-17-0

Index 612-163-00-0

Class'n Xn: R22 Xi: R41

Label Xn

R22, 41

S(2), 26, 39, 46

3,4-dimethylphenyl N-methylcarbamate

xylycarb (ISO)

3,4-xylylmethylcarbamate

MPMC

CAS 002425-10-7

Index 006-055-00-7

Class'n Xn: R22 N: R50, 53

Label Xn, N

R22, 50/53

S(2), 60, 61

219-364-9

1,1-dimethyl-3-phenylunium trichloroacetate

fenuron-TCA

CAS 004482-55-7

Index 006-050-00-X

Class'n Xi: R38 N: R50, 53

Label Xi, N

R38, 50/53

S(2), 60, 61

O,S-dimethyl phosphoramidothioate

methamidophos (ISO)

CAS 010265-92-6

Index 015-095-00-4

Class'n T+: R28 T: R24 Xi: R36 N: R50

Label T+, N

R24, 28, 36, 50

S(1/2), 22, 28, 36/37, 45, 61

233-606-0

O,O-dimethyl phthalimidomethyl S-phosphorodithioate

phosmet (ISO)

CAS 000732-11-6

Index 015-101-00-5

Class'n Xn: R21/22

Label Xn

R21/22

S(2), 22, 36/37

211-987-4

1,1-dimethylpiperidinium chloride

mepiquat chloride

CAS 024307-26-4

Index 613-127-00-7

Class'n Xn: R22 R52, 53

Label Xn

R22, 52/53

S(2), 61

246-147-6

2,2-dimethylpropane

neopentane

CAS 000463-82-1

Index 601-005-00-6

Class'n F+: R12 N: R51, 53

Label F+, N

R12, 51/53

S(2), 9, 16, 33, 61

207-343-7

• mixture of

3-(N-(3-dimethyl-propylammonium)-(C4-8)

perfluoroalkylsulfonamido)propionic acid propionate

and

3-(N-(3-dimethylaminopropyl)-(C4-8)

perfluoroalkylsulfonamido)propionic acid

and

N-[dimethyl-3-(C4-8)perfluoroalkylsulfonamido]

propylammonium propionate

Index 607-344-00-6 (see Part III)

Class'n Xn: R48/22

Label Xn

R48/22

S(2), 21, 22, 36/37

407-810-7

N,N'-(2,2-dimethylpropylidene)hexamethylenediamine

CAS 001000-78-8

Index 612-092-00-5

Class'n Xi: R38 R43

Label Xi

R38, 43

S(2), 24, 37

401-660-6

dimethylsulfamoylchloride Note E

CAS 013360-57-1

Index 016-033-00-9

Class'n Carc Cat 2: R45 T+: R26 Xn: R21/22 C: R34

Label T+

R45, 21/22, 26, 34

S53, 45

236-412-4

dimethyl sulphate Note E

CAS 000077-78-1
 Index 016-023-00-4
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 T+: R26 T:
 R25 C:R34 R43
 Label T+
 R45,25,26,34,43
 S53,45
 201-058-1
 Conc Conc >= 25% T+: R45, 25, 26, 34, 43
 Conc >= 10% and < 25% T+: R45,22,26,34,43
 Conc >= 7% and < 10% T+: R45,22,26,
 36/37/38,43
 Conc >= 5% and < 7% T: R45,22,23,36/37/38,
 43
 Conc >= 3% and < 5% T: R45,22,23,43
 Conc >= 1% and < 3% T: R45,23,43
 Conc >= 0.1% and < 1% T: R45,20
 Conc >= 0.01% and < 0.1% T: R45

N,N-dimethyl-p-toluidine Note C

N,N-dimethyl-m-toluidine
 N,N-dimethyl-o-toluidine
 CAS 000099-97-8
 Index 612-056-00-9
 Class'n T: R23/24/25 R33 R52, 53
 Label T
 R23/24/25,33,52/53
 S(1/2),28,36/37,45,61
 202-805-4
 Conc Conc >= 5% T: R23/24/25,33
 Conc >= 1% and < 5% Xn: R20/21/22,33

N,N-dimethyl-m-toluidine Note C

N,N-dimethyl-ptoluidine
 N,N-dimethyl-o-toluidine
 CAS 000121-72-2
 Index 612-056-00-9
 Class'n T: R23/24/25 R33 R52, 53
 Label T
 R23/24/25,33,52/53
 S(1/2),28,36/37,45,61
 204-495-6
 Conc Conc >= 5% T: R23/24/25,33
 Conc >= 1% and < 5% Xn: R20/21/22,33

N,N-dimethyl-o-toluidine Note C

N,N-dimethyl-ptoluidine
 N,N-dimethyl-m-toluidine
 CAS 000609-72-3
 Index 612-056-00-9
 Class'n 1: R23/24/25 R33 R52,53
 Label T
 R23/24/25,33,52/53
 S(1/2),28,36/37,45,61
 210-199-8
 Conc Conc >= 5% T: R23/24/25,33
 Conc >= 1% and < 5% Xn: R20/21/22,33

dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate
 trichlorfon(ISO)

CAS 000052-68-6
 Index 015-021-00-0
 Class'n Xn: R22 R43
 Label Xn
 R22,43
 S(2), 24, 37
 200-149-3

O,O-dimethylO-2,4,5-trichlorophenyl phosphorothioate
 fenclorpos(ISO)

CAS 000299-84-3
 Index 015-052-00-X
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2),25,36/37
 206-082-6

2,6-dimethyl-4-tridecylmorpholine Note E
 tridemorph(ISO)

CAS 024602-86-6
 Index 613-020-00-5
 Class'n Repr Cat 2: R61 Xn: R20/22 Xi: R38 N: R50,53
 Label T, N
 R61,20/22,38,50/53
 S53,45,60,61
 246-347-3

1,3-dimethyl-1-(5-trifluoromethyl-1,3,4-thiadiazol-2-yl)
 urea

thiazfluron(ISO)
 CAS 025366-23-8
 Index 616-021-00-9
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2),60,61
 246-901-4

2,2-dimethyltrimethylene diacrylate Note O
 neopentyl glycol diacrylate

CAS 002223-82-7
 Index 607-112-00-4
 Class'n T: R24 Xi: R36/38 R43
 Label T
 R24,36/38,43
 S(1/2), 28,39,45
 218-741-5
 Conc Conc >= 20% T: R24,36/38,43
 Conc >= 5% and > 20% T: R24,43
 Conc >= 1% and < 5% Xn: R21,43
 Conc >= 0.2% and < 1% Xn: R21

dimethylzinc

diethylzinc
 CAS 000544-97-8
 Index 030-004-00-8
 Class'n RI 4 F: RI7 C: R34 N: R50, 53
 Label F, C, N
 R14,17,34,50/53
 S(1/2),16,43,45,60,61
 208-884-1

dimetilan(ISO)

1-dimethylcarbamoyl-5-methylpyrazol-3-yl dimethylcarbamate
 CAS 000644-64-4
 Index 613-047-00-2
 Class'n T: R25 Xn: R21 N: R50, 53
 Label T, N
 R21,25,50/53
 S(1/2),36/37,45,60,61
 211-420-0

dimexano(ISO)

bis(methoxythiocarbonyl) disulphide
 CAS 001468-37-7
 Index 016-024-00-X
 Class'n Xn: R22 N: R50, 53
 Label Xn,N
 R22, 50/53
 S(2), 60, 61
 215-993-8

dinex

2-cyclohexyl-4,6-dinitrophenol
 CAS 000131-89-5
 Index 609-028-00-3
 Class'n T: R23/24/25 N: R50, 53
 Label T,N
 R23/24/25, 50/53
 S(1/2), 13, 45, 60, 61
 205-042-5

dinex, salts and esters of Note A

Index 609-029-00-9
 Class'n T: R23/24/25 N: R50, 53
 Label T, N
 R23/24/25, 50/53
 S(1/2), 13, 45, 60, 61

dinickel trioxide

CAS 001314-06-3
 Index 028-005-00-3
 Class'n Carc Cat 1: R49 R43 R53
 Label T
 R49, 43, 53
 S53, 45, 61
 215-217-8

diniconazole

(E)-β-[(2,4-dichlorophenyl)methylene]-α-(1,1-dimethylethyl)-1H-1,2,4-triazol-1-ethanol
 (E)-(RS)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol
 CAS 076714-88-0
 Index 613-117-00-2
 Class'n Xn: R22 N: R50, 53
 Label Xn,N
 R22, 50/53
 S(2), 60, 61

diniconazole

(E)-β-[(2,4-dichlorophenyl)methylene]-α-(1,1-dimethylethyl)-1H-1,2,4-triazol-1-ethanol
 (E)-(RS)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol
 CAS 083657-24-3
 Index 613-117-00-2
 Class'n Xn: R22 N: R50, 53
 Label Xn,N
 R22, 50/53
 S(2), 60, 61

2,4-dinitroaniline

CAS 000097-02-9
 Index 612-040-00-1
 Class'n T+: R26/27/28 R33 N: R51, 53
 Label T+,N
 R26/27/28, 33, 51/53
 S(1/2), 28, 36/37, 45, 61
 202-553-5

1,3-dinitrobenzene

CAS 000099-65-0
 Index 609-004-00-2 (see Part III)
 Class'n T+: R26/27/28 R33 N: R50, 53
 Label T+,N
 R26/27/28, 33, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 202-776-8

1,4-dinitrobenzene

CAS 000100-25-4
 Index 609-004-00-2 (see Part III)
 Class'n T+: R26/27/28 R33 N: R50, 53
 Label T+, N
 R26/27/28, 33, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 202-833-7

1,2-dinitrobenzene

CAS 000528-29-0
 Index 609-004-00-2 (see Part III)
 Class'n T+: R26/27/28 R33 N: R50, 53
 Label T+,N
 R26/27/28, 33, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 208-431-8

dinitrobenzene

CAS 025154-54-5
 Index 609-004-00-2 (see Part III)
 Class'n T+: R26/27/28 R33 N: R50, 53
 Label T+,N
 R26/27/28, 33, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 246-673-6

4,6-dinitro-o-cresol

DNOC
 CAS 000534-52-1
 Index 609-020-00-X
 Class'n Muta Cat 3: R68 T+: R26/27/28 Xi: R38, 41
 R43 R44 N: R50, 53
 Label T+,N
 R26/27/28, 38, 41, 43, 44, 50/53, 68
 S(1/2), 36/37, 45, 60, 61
 208-601-1

2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline
(containing < 0.5 ppm NPDA)
trifluralin (ISO) (containing < 0.5 ppm NPDA)
 α, α, α -trifluoro-2,6-dinitro-N,N-dipropyl-ptoluidine (containing
< 0.5 ppm NPDA)
N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing <
0.5 ppm NPDA)

CAS 001582-08-8
Index 609-046-00-1

Class'n Xi: R36 R43 N: R50, 53

Label Xi, N
R36, 43, 50/53
S(2), 24, 37, 60, 61
216-428-8

dinitrogen tetroxide
nitrogen dioxide

CAS 010544-72-6
Index 007-002-00-0

Class'n T+: R26 C: R34

Label T+
R26, 34
S(1/2), 9, 26, 28, 36/37/39, 45
234-126-4

Conc Note 5
Cone \geq 10% T+: R26, 34
Conc \geq 5% and < 10% T: R23, 34
Conc \geq 1% and < 5% T: R23, 36/37/38
Conc \geq 0.5% and < 1% Xn: R20, 36/37/38
Conc \geq 0.1% and < 0.5% Xn: R20

4,6-dinitro-2-(4-octyl)phenyl methyl carbonate and 4,6-
dinitro-2-(3-octyl)phenyl methyl carbonate
dinoocton-6

4,6-dinitro-2-(3-octyl)phenyl methyl carbonate and 4,6-dinitro-2-
(4-octyl)phenyl methyl carbonate; mixture of

CAS 008069-76-9
Index 609-045-00-6
Class'n Xn: R22 N: R50, 53

Label Xn, N
R22, 50/53
S(2), 60, 61

4,6-dinitro-2-(3-octyl)phenyl methyl carbonate and 4,6-
dinitro-2-(4-octyl)phenyl methyl carbonate; mixture of
dinoocton-6

4,6-dinitro-2-(4-octyl)phenyl methyl carbonate and 4,6-dinitro-2-
(3-octyl)phenyl methyl carbonate

CAS 008069-76-9
Index 609-045-00-6
Class'n Xn: R22 N: R50, 53

Label Xn, N
R22, 50/53
S(2), 60, 61

dinitrophenol

2,4(or 2,6)-dinitrophenol

CAS 025550-58-7
Index 609-016-00-8
Class'n T: R23/24/25 R33 N: R50, 53

Label T, N
R23/24/25, 33, 50/53
S(1/2), 28, 37, 45, 60, 61
247-096-2

2,4(or 2,6)-dinitrophenol

dinitrophenol
CAS 071629-74-8
Index 609-016-00-8
Class'n T: R23/24/25 R33 N: R50, 53
Label T, N
R23/24/25, 33, 50/53
S(1/2), 28, 37, 45, 60, 61
275-732-9

• 2,4-dinitrophenol

CAS 000051-28-5
Index 609-041-00-4
Class'n T R23/24/25 R33 N: R50
Label T, N
R23/24/25, 33, 50
S(1/2), 28, 37, 45, 61
200-087-7

• 2,3-dinitrophenol

CAS 000066-56-8
Index 609-054-00-5 (see Part III)
Class'n T: R23/24/25 R33 N: R51, 53
Label T, N
R23/24/25, 33, 51/53
S(1/2), 28, 37, 45, 61
200-628-7

• 2,5-dinitrophenol

CAS 000329-71-5
Index 609-054-00-5 (see Part III)
Class'n T: R23/24/25 R33 N: R51, 53
Label T, N
R23/24/25, 33, 51/53
S(1/2), 28, 37, 45, 61
206-348-1

• 2,6-dinitrophenol

CAS 000573-56-8
Index 609-054-00-5 (see Part III)
Class'n T: R23/24/25 R33 N: R51, 53
Label T, N
R23/24/25, 33, 51/53
S(1/2), 28, 37, 45, 61
209-357-9

• 3,4-dinitrophenol

CAS 000577-71-9
Index 609-054-00-5 (see Part III)
Class'n T: R23/24/25 R33 N: R51, 53
Label T, N
R23/24/25, 33, 51/53
S(1/2), 28, 37, 45, 61
209-415-3

• dinitrophenol, salts of

Index 609-054-00-5 (see Part III)
Class'n T: R23/24/25 R33 N: R51, 53
Label T, N
R23/24/25, 33, 51/53
S(1/2), 28, 37, 45, 61

2,4-dinitrotoluene Note E

CAS 000121-14-2
 Index 609-007-00-9 (see Part III)
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Repr Cat 3:
 R62 T: R23/24/25 Xn: R48/22 N: R51, 53
 Label T, N
 R45, 23/24/25, 48/22, 51/53, 62
 S53, 45, 61
 204-450-0

dinitrotoluene Note E

CAS 025321-14-6
 Index 609-007-00-9 (see Part III)
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Repr Cat 3:
 R62 T: R23/24/25 Xn: R48/22 N: R51, 53
 Label T, N
 R45, 23/24/25, 48/22, 51/53, 62
 S53, 45, 61
 246-836-1

2,6-dinitrotoluene Note E

CAS 000606-20-2
 Index 609-049-00-8
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Repr Cat 3:
 R62 T: R23/24/25 Xn: R48/22 R52, 53
 Label T
 R45, 23/24/25, 48/22, 52/53, 62
 S53, 45, 61
 210-106-0

2,3-dinitrotoluene Note E

CAS 000602-01-7
 Index 609-050-00-3
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Repr Cat 3:
 R62 T: R23/24/25 Xn: R48/22 N: R50, 53
 Label T, N
 R45, 23/24/25, 48/22, 50/53, 62
 S53, 45, 60, 61
 210-013-5

3,4-dinitrotoluene Note E

CAS 000610-39-9
 Index 609-051-00-9
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Repr Cat 3:
 R62 T: R23/24/25 Xn: R48/22 N: R51, 53
 Label T, N
 R45, 23/24/25, 48/22, 51/53, 62
 S53, 45, 61
 210-222-1

3,5-dinitrotoluene Note E

CAS 000618-85-9
 Index 609-052-00-4
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Repr Cat 3:
 R62 T: R23/24/25 Xn: R48/22 R52, 53
 Label T
 R45, 23/24/25, 48/22, 52/53, 62
 S53, 45, 61
 210-566-2

2,5-dinitrotoluene Note E

CAS 000619-15-8
 Index 609-055-00-0
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Repr Cat 3:
 R62 T: R23/24/25 Xn: R48/22 N: R51, 53
 Label T, N
 R45, 23/24/25, 48/22, 51/53, 62
 S53, 45, 61
 210-581-4

dinitrotoluene, technical grade Note E

Index 609-007-00-9 (see Part III)
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Repr Cat 3:
 R62 T: R23/24/25 Xn: R48/22 N: R51, 53
 Label T, N
 R45, 23/24/25, 48/22, 51/53, 62
 S53, 45, 61

dinobuton (ISO)

2-(1-methylpropyl)-4,6-dinitrophenylisopropyl carbonate
 CAS 000973-21-7
 Index 006-028-00-X
 Class'n T:R25 N:R50, 53
 Label T, N
 R25, 50/53
 S(1/2), 37, 45, 60, 61
 213-546-1

dinocap (ISO)

CAS 039300-45-3
 Index 609-023-00-6
 Class'n Xn:R22 Xi:R38
 Label Xn
 R22, 38
 S(2), 37
 254-408-0

dinocton

methyl 2-octyl-4,6-dinitrophenyl carbonate and methyl 4-octyl-2,6-dinitrophenyl carbonate, mixture of isomers
 methyl 4-octyl-2,6-dinitrophenyl carbonate and methyl 2-octyl-4,6-dinitrophenyl carbonate, mixture of isomers
 CAS 063919-26-6
 Index 609-027-00-8
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61

dinocton-6

4,6-dinitro-2-(3-octyl)phenyl methyl carbonate and 4,6-dinitro-2-(4-octyl)phenyl methyl carbonate; mixture of
 4,6-dinitro-2-(4-octyl)phenyl methyl carbonate and 4,6-dinitro-2-(3-octyl)phenyl methyl carbonate
 CAS 008069-76-9
 Index 609-045-00-6
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61

8,9-dinorborn-5-ene-2,3-dicarboxylic anhydride Note C

CAS	123748-85-6
Index	607-106-00-1
Class'n	Xn: R22 X: R36/37/38 R42
Label	Xn R22, 36/37/38, 42 S(2), 39
Conc	Conc >= 25% Xn: R22, 36/37/38, 42 Conc >= 10% and < 25% Xn: R36/37/38, 42 Conc >= 1% and < 10% Xn:R42

dinosam

2-(1-methylbutyl)-4,6-dinitrophenol

CAS	004097-36-3
Index	609-033-00-0
Class'n	T: R23/24/25 N: R50, 53
Label	T, N R23/24/25, 50/53 S(1/2), 13, 45, 60, 61

dinosam, salts and esters of Note A

Index	609-034-00-6
Class'n	T: R23/24/25 N: R50, 53
Label	T, N R23/24/25, 50/53 S(1/2), 13, 45 60, 61

dinoseb Note E

6-sec-butyl-2,4-dinitrophenol

CAS	000088-85-7
Index	609-025-00-7
Class'n	R44 T R24/25 Repr Cat 2: R61 Repr Cat 3: R62 Xi:R36 N: R50, 53
Label	T, N R61, 62, 24/25, 36, 44, 50/53 S53, 45, 60, 61 201-861-7

dinoseb, salts and esters of, with the exception of those specified elsewhere in the Approved Supply List

Notes A and E

Index	609-026-00-2
Class'n	R44 Repr Cat 2: R61 Repr Cat 3: R62 T: R24/25 Xi: R36 N: R50, 53
Label	T, N R61, 62, 24/25, 36, 44, 50/53 S53, 45, 60, 61

dinoterb (ISO) Note E

2-tert-butyl-4,6-dinitrophenol

CAS	001420-07-1
Index	609-030-00-4
Class'n	Repr Cat 2: R61 T+: R28 T: R24 R44 N: R50, 53
Label	T+, N R61, 24, 28, 44, 50/53 S53, 45, 60, 61 215-813-8

dinoterb, salts and esters of Notes A and E

Index	609-031-00-X
Class'n	Repr Cat 2: R61 T+: R28 T: R24 N: R50, 53
Label	T+, N R61, 24, 28, 50/53 S45, 53, 60, 61

• mixture of
3,3'-dioctadecyl-1,1'-methylenebis(4,1-phenylene)
diurea

and
3,3'-dicyclohexyl-1,1'-methylenebis(4,1-phenylene)
diurea

and
3-cyclohexyl-1-(4-(4-(3-octadecylureido)benzyl)
phenyl)urea

Index	616-070-00-6 (see Part III)
Class'n	R53
Label	R53 S22, 61 406-530-2

• mixture of
di-(1-octane-N,N,N-trimethylammonium)
octylphosphate

and
1-octane-N,N,N-trimethylammoniumdi-
octylphosphate

and
1-octane-N,N,N-trimethylammonium octylphosphate

Index	015-170-00-1 (see Part III)
Class'n	Xn: R21/22 C: R34
Label	C R21/22, 34 S(1/2), 26, 36/37/39, 45 407-490-9

• di-n-octylaluminium iodide

CAS	007585-14-0
Index	013-008-00-4
Class'n	R14 F: R17 C: R34 N: R50, 53
Label	F, C, N R14, 17, 34, 50/53 S(1/2), 6, 16, 26, 36/37/39, 43, 45, 60, 61 408-190-0

mixture of
dionyl sulphide (or disulphide)

and
C12-14-tert-akylammonium diphenyl
phosphorothioate

Index	015-147-00-6 (see Part III)
Class'n	Xi: R38, 41 N: R51, 53 R43
Label	Xi, N R38, 41, 43, 51/53 S(2), 24, 26, 37/39, 61 400-930-0

dioxabenzofos

2-methoxy-4H-1,3,2-benzodioxaphosphorin 2-sulphide

CAS	003811-49-2
Index	015-152-00-3
Class'n	T: R24/25, 39/25 N: R51, 53
Label	T, N R24/25, 39/25, 51/53 S(1/2), 36/37, 38, 45, 61 223-292-3

dioxacarb (ISO)

2-(1,3-dioxolan-2-yl)phenyl N-methylcarbamate
 CAS 006988-21-2
 Index 006-029-00-5
 Class'n T: R25 N: R51, 53
 Label T,N
 R25, 51/53
 S(1/2), 37, 45, 61
 230-253-4

1,4-dioxan-2,3-diyl-O,O',O',O'-tetraethyl di
 (phosphorodithioate)
 dioxathion(ISO)

CAS 000078-34-2
 Index 015-063-00-X
 Class'n T+: R26/28 T: R24
 Label T+
 R24, 26/28
 S(1/2), 28, 36/37, 45
 201-107-7

■ 1,4-dioxane Note D

CAS 000123-91-1
 Index 603-024-00-5
 Class'n F: R11, 19 Carc Cat 3: R40 Xi: R36/37 R66
 Label F, Xn
 R11, 19, 36/37, 40, 66
 S(2), 9, 16, 36/37 46
 204-661-8

dioxathion(ISO)

1,4-dioxan-2,3-diyl-O,O',O',O'-tetraethyl di(phosphorodithioate)
 CAS 000078-34-2
 Index 015-063-00-X
 Class'n T+: R26/28 T: R24
 Label T+
 R24, 26/28
 S(1/2), 28, 36/37, 45
 201-107-7

● (2,2'-(3,3'-dioxidobiphenyl-4,4'-diyldiazo)bis(6-(4-(3-(diethylamino)propylamino)-6-(3-(diethylammonio)propylamino)-1,3,5-triazin-2-ylamino)-3-sulfonato-1-naphtholato))dicopper(II) acetate lactate

CAS 159604-94-1
 Index 61 1-078-00-6
 Class'n R43 N: R51, 53
 Label Xi,N
 R43, 51/53
 S(2), 22, 24, 37, 61
 407-240-9

(1,3-dioxo-2H-benz(de)isoquinolin-2-ylpropyl)
 hexadecyldimethylammonium 4-toluenesulfonate

CAS 11 8725-24-9
 Index 612-118-00-5
 Class'n Xi: R41 N: R50, 53
 Label Xi,N
 R41, 50/53
 S(2), 22, 26, 39, 60, 61
 405-080-4

1,3-dioxolane

CAS 000646-06-0
 Index 605-017-00-2
 Class'n F: R11
 Label F
 R11
 S(2), 16
 211-463-5

(2-(1,3-dioxolan-2-yl)ethyl)triphenylphosphonium bromide

CAS 086608-70-0
 Index 015-150-00-2
 Class'n Xn: R22 Xi: R41 R33 R52, 53
 Label Xn
 R22, 33, 41, 52/53
 S(2), 22, 26, 39, 61
 404-940-6

2-(1,3-dioxolan-2-yl)phenyl N-methylcarbamate
 dioxacarb (ISO)

CAS 006988-21-2
 Index 006-029-00-5
 Class'n T R25 N: R51, 53
 Label T,N
 R25, 51/53
 S(1/2), 37, 45, 61
 230-253-4

mixture of

N-(4-(4-(2,5-dioxopyrrol-1-yl)benzyl)phenyl)
 acetamide

and

1,1'-(methylenebis(4,1-phenylene))dipyrrole-2,5-dione

and

1-(4-(4-(5-oxo-2H-2-furylideneamino)benzyl)phenyl)
 pyrrole-2,5-dione

Index 613-085-00-X (see Part 111)
 Class'n R43 N: R50, 53
 Label Xi,N
 R43, 50/53
 S(2), 24, 37, 60, 61
 401-970-1

● 5-(2,4-dioxo-1,2,3,4-tetrahydropyrimidine)-3-fluoro-2-
 hydroxymethyltetrahydrofuran

CAS 041 107-56-6
 Index 616-089-00-X
 Class'n Muta Cat 3: R68
 Label Xn
 R68
 S(2), 22, 36/37
 415-360-8

1,1'-dioxibiscyclohexan-1-ol Note C

CAS 002407-94-5
 Index 617-010-00-1 (see Part III)
 Class'n E: R2 Xn: R22 C: R34
 Label E,C
 R2, 22, 34
 S(1/2), 3/7, 14, 36/37/39, 45
 219-306-2
 Conc Conc >= 25% C: R22, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

dipentene Note C

limonene
 (R)-p-mentha-1,8-diene
 d-limonene
 (S)-p-mentha-1,8-diene
 l-limonene
 trans-1-methyl-4-(1-methylvinyl)cyclohexene
 (+)-1-methyl-4-(1-methylvinyl)cyclohexene
 CAS 000138-86-3
 Index 601-029-00-7
 Class'n R10 Xi:R38 R43 N: R50,53
 Label Xi,N
 R10, 38, 43, 50/53
 S(2), 24, 37, 60, 61
 205-341-0

diphacinone (ISO)

2-diphenylacetylindan-1,3-dione
 CAS 000082-66-6
 Index 606-038-00-X
 Class'n T+: R28 T: R48/23/24/25
 Label T+
 R28, 48/23/24/25
 S(1/2), 36/37, 45
 201-434-5

diphenamid(ISO)

N,N-dimethyl-2,2-diphenylacetamide
 CAS 000957-51-7
 Index 616-007-00-2
 Class'n Xn: R22 R52, 53
 Label Xn
 R22, 52/53
 S(2), 61
 213-482-4

diphenyl

biphenyl
 CAS 000092-52-4
 Index 601-042-00-8
 Class'n Xi: R36/37/38 N: R50, 53
 Label Xi, N
 R36/37/38, 50/53
 S(2), 23, 60, 61
 202-163-5

2-diphenylacetylindan-1,3-dione

diphacinone (ISO)
 CAS 000082-66-6
 Index 606-038-00-X
 Class'n T+: R28 T: R48/23/24/25
 Label T+
 R28, 48/23/24/25
 S(1/2), 36/37, 45
 201-434-5

diphenylamine

CAS 000122-39-4
 Index 612-026-00-5
 Class'n T R23/24/25 R33 N: R50, 53
 Label T,N
 R23/24/25, 33, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 204-539-4

N,N'-diphenyl-1,4-benzenediamine

N,N'-diphenyl-p-phenylenediamine
 CAS 000074-31-7
 Index 612-132-00-1
 Class'n R43 R52,53
 Label Xi
 R43, 52/53
 S(2), 24, 37, 61
 200-806-4

● **N,N'-diphenyl-N,N'-bis(3-methylphenyl)-(1,1'-diphenyl)-4,4'-diamine**

CAS 065181-78-4
 Index 612-165-00-1
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 413-810-8

diphenyl ether, pentabromo derivative

pentabromodiphenyl ether
 CAS 032534-81-9
 Index 602-083-00-4
 Class'n Xn: R48/21/122 N: R50,53 R64
 Label Xn,N
 R48/21/22,64,50/53
 S(1/2), 36/37, 45, 60, 61
 251-084-2

1,3-diphenylguanidine

CAS 000102-06-7
 Index 612-149-00-4
 Class'n Repr Cat 3: R62 Xn: R22 Xi: R36/37/38 N:
 R51, 53
 Label Xn,N
 R22, 36/37/38, 51/53, 62
 S(2), 26,36/37/39, 61
 203-002-1

1,2-diphenylhydrazine Note E

hydrazobenzene
 CAS 000122-66-7
 Index 007-021-00-4
 Class'n Carc Cat 2: R45 Xn: R22 N: R50,53
 Label T, N
 R45, 22, 50/53
 S53, 45, 60, 61
 204-563-5

■ **diphenylmethane-4,4'-diisocyanate** Note C

CAS 000101-68-8
 Index 615-005-00-9 (see Part III)
 Class'n Xn: R20 Xi: R36/37/38 R42/43
 Label Xn
 R20, 36/37/38, 42/43
 S(1/2), 23, 36/37, 45
 202-966-0
 Conc Note 2
 Conc >= 25% Xn: R20, 36/37/38, 42/43
 Conc >= 5% and < 25% Xn: R36/37/38, 42/43
 Conc >= 1% and < 5% Xn: R42/43
 Conc >= 0.1% and < 1% Xn: R42

diphenylmethane-2,2'-diisocyanate Note C

CAS 002536-05-2
 Index 615-005-00-9 (see Part III)
 Class'n Xn: R20 Xi: R36137138 R42/43
 Label Xn
 R20, 36/37/38,42/43
 S(1/2), 23, 36/37, 45
 219-799-4
 Conc Note2
 Conc >= 25% Xn: R20, 36137138, 42143
 Conc >= 5% and < 25% Xn: R36137138, 42143
 Conc >= 1% and < 5% Xn: R42143
 Conc >= 0.1% and < 1% Xn: R42

diphenylmethane-2,4'-diisocyanate Note C

CAS 005873-54-1
 Index 615-005-00-9 (see Part III)
 Class'n Xn: R20 Xi: R36/37/38 R42/43
 Label Xn
 R20, 36/37/38, 42/43
 S(1/2), 23, 36/37, 45
 227-534-9
 Conc Note2
 Conc >= 25% Xn: R20, 36/37/38, 42/43
 Conc >= 5% and < 25% Xn: R36/37/38, 42/43
 Conc >= 1% and < 5% Xn: R42/43
 Conc >= 0.1% and < 1% Xn: R42

N,N-diphenyl-p-phenylenediamine
N,N-diphenyl-1,4-benzenediamine

CAS 000074-3 1-7
 Index 612-132-00-1
 Class'n R43 R52, 53
 Label Xi
 R43, 52/53
 S(2), 24, 37, 61
 200-806-4

**diphenyl(4-phenylthiophenyl)sulfonium
 hexafluoroantimonate**

Index 051-006-00-5
 Class'n R43 N: R50, 53
 Label Xi, N
 R43, 50/53
 S(2), 24, 37, 60, 61
 403-500-0

mixture of

diphenyl(4-phenylthiophenyl)sulfonium
hexafluorophosphate

and

thiobis(4,1-phenylene)-S,S,S',S'
tetraphenyldisulfonium bishexafluorophosphate

Index 015-165-00-4 (see Part III)
 Class'n Xi: R41 N: R50, 53
 Label Xi, N
 R41, 50/53
 S(2), 15, 26, 39, 60, 61
 404-986-7

• 2-(4,6-diphenyl-1,3,5-triazin-2-yl)-5-((hexyl)oxy)-phenol

CAS 147315-50-2
 Index 604-064-00-6
 Class'n R53
 Label R53
 S61
 411-380-6

2-(diphosphonomethyl)succinic acid

CAS 051395-42-7
 Index 015-148-00-1
 Class'n C: R34 R43
 Label C
 R34, 43
 S(1/2), 26, 36/37/39, 45
 403-070-4

diphosphorus pentasulphide
phosphorus pentasulphide

CAS 001314-80-3
 Index 015-104-00-1
 Class'n F: R11 R29 Xn: R20/22 N: R50
 Label F, Xn, N
 R11, 20/22, 29, 50
 S(2), 61
 215-242-4

dipicrylamine, ammonium salt

CAS 002844-92-0
 Index 612-019-00-7
 Class'n E R1 T+: R26/27/28 R33 N: R51, 53
 Label E, T+, N
 R1, 26/27/28, 33, 51/53
 S(1/2), 28, 36/37, 45, 61
 220-639-0

 • N,N-di-[poly(oxyethylene)-co-poly(oxypropylene)]-4-[
 (3,5-dicyano-4-methyl-2-thienyl)azo]-3-methylaniline

Index 611-069-00-7
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 413-380-1

dipotassium hexachloroplatinate

CAS 016921-30-5
 Index 078-007-00-3
 Class'n T: R25 Xi: R41 R42/43
 Label T
 R25, 41, 42/43
 S(1/2), 22, 26, 36/37/39, 45
 240-979-3

dipotassium peroxodisulphate
potassium persulphate

CAS 007727-21-1
 Index 016-061-00-1
 Class'n O: R8 Xn: R22 Xi: R36137/38 R42143
 Label O, Xn
 R8, 22, 36/37/38, 42/43
 S(2), 22, 24, 26, 37
 231-781-8

dipotassium sulphide
potassium sulphide

CAS 001312-73-8
 Index 016-006-00-1
 Class'n R31 C: R34 N: R50
 Label C, N
 R31, 34, 50
 S(1/2), 26, 45, 61
 215-197-0

dipotassium tetrachloroplatinate

CAS 010025-99-7
 Index 078-004-00-7
 Class'n T: R25 Xi: R38, 41 R42/43
 Label T
 R25, 38, 41, 42/43
 S(2), 22, 26, 36/37/39, 45
 233-050-9

dipropylamine

CAS 000142-84-7
 Index 612-048-00-5
 Class'n F: R11 Xn: R20/21/22 C: R35
 Label F, C
 R11, 20/21/22, 35
 S(1/2), 16, 26, 36/37/39, 45
 205-565-9
 Conc Conc >= 25% C: R20/21/22, 35
 Conc >= 10% and < 25% C: R35
 Conc >= 5% and < 10% C: R34
 Conc >= 1% and < 5% Xi: R36/37/38

**N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline
(containing < 0.5 ppm NPDA)**

trifluralin (ISO) (containing < 0.5 ppm NPDA)
a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing
 < 0.5 ppm NPDA)
 2,6-dinitro-N,N-dipropyl-4-t1fluoromethylaniline (containing <
 0.5 ppm NPDA)
 CAS 001582-08-8
 Index 609-046-00-1
 Class'n Xi: R36 R43 N: R50, 53
 Label Xi, N
 R36, 43, 50/53
 S(2), 24, 37, 60, 61
 216-428-8

dipropylentriamine

3,3'-iminodi(propylamine)
 CAS 000056-18-8
 Index 612-063-00-7
 Class'n T+: R26 T: R24 Xn: R22 C: R35 R43
 label T+, C
 R22, 24, 26, 35, 43
 S(1/2), 26, 28, 36/37/39, 45
 200-261-2

dipropyl ether Note C

CAS 000111-43-3
 Index 603-045-00-X (see Part III)
 Class'n F: R11 R19 R66 R67
 Label F
 R11, 19, 66, 67
 S(2), 9, 16, 29, 33
 203-869-6

di-n-propyl ketone

heptan-4-one
 CAS 000123-19-3
 Index 606-027-00-X
 Class'n R10 Xn: R20
 Label Xn
 R10, 20
 S(2), 24/25
 204-608-9

**dipropyl 6,7-methylenedioxy-1,2,3,4-tetrahydro-3-
methylnaphthalene-1,2-dicarboxylate
propylisome**

CAS 000083-59-0
 Index 607-168-00-X
 Class'n T: R24 Xn: R22 N: R50, 53
 Label T, N
 R22, 24, 50/53
 S(1/2), 36/37, 45, 60, 61

diquat dibromide

diquatdichloride
 6,7-dihydrodipyrido[1,2-a :2',1'-c]pyrazinediylum dihydroxide
 CAS 000085-00-7
 Index 613-089-00-1
 Class'n T+: R26 T: R48/25 Xn: R22 Xi: R36/37/38
 R43 N: R50, 53
 Label T+, N
 R22, 26, 36/37/38, 43, 48/25, 50/53
 S(1/2), 28, 36/37/39, 45, 60, 61
 201-579-4

diquat dichloride

diquat dibromide
 6,7-dihydrodipyrido[1,2-a :2',1'-c]pyrazinediylum dihydroxide
 CAS 004032-26-2
 Index 613-089-00-1
 Class'n T+: R26 T: R48/25 Xn: R22 Xi: R36/37/38
 R43 N: R50, 53
 Label T+, N
 R22, 26, 36/37/38, 43, 48/25, 50/53
 S(1/2), 28, 36/37/39, 45, 60, 61
 223-714-6

di-sec-butylamine

CAS 000626-23-3
 Index 612-049-00-0 (see Part III)
 Class'n R10 Xn: R20/21/22
 Label Xn
 R10, 20/21/22
 S(2)
 210-937-9

**disodium 1-amino-4-(4-benzenesulfonamido-3-
sulfonatoanilino)anthraquinone-2-sulfonate**

CAS 085153-93-1
 Index 016-037-00-0
 Class'n Xi: R41 R52, 53
 Label Xi
 R41, 52/53
 S(2), 26, 39, 61
 400-350-8

**disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-
biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)
naphthalene-2,7-disulphonate**

C.I. Direct Black 38
 CAS 001937-37-7
 Index 611-025-00-7
 Class'n Carc Cat 2: R45 Repr Cat 3: R63
 Label T
 R45, 63
 S53, 45
 217-710-3

- mixture of
 - disodium 6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato(1)-(5-chloro-2-oxidophenylazo)-2-naphtholato)chromate(1-)
 - and
 - trisodium bis(5-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-)
- Index 611-070-00-2 (see Part III)
 Class'n R43 N: R50, 53
 Label Xi,N
 R43, 50/53
 S(2), 24, 37, 60, 61
 405-665-4

disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)
 C.I. Direct Red 28

CAS 000573-58-0
 Index 61 1-027-00-8
 Class'n Carc Cat2: R45 Repr Cat3: R63
 Label T
 R45, 63
 S53, 45
 209-358-4

disodium N-carboxymethyl-N-(2-(2-hydroxyethoxy)ethyl)glycinate

CAS 092511-22-3
 Index 607-192-00-0
 Class'n Xi:R41
 Label Xi
 R41
 S(2), 26, 39
 402-360-8

- disodium 5-[5-[4-(5-chloro-2,6-difluoropyrimidin-4-ylamino)benzamido]-2-sulfonatophenylazo]-1-ethyl-6-hydroxy-4-methyl-2-oxo-3-pyridylmethylsulfonate
- Index 61 1-061-00-3
 Class'n Xi:R41 R43
 Label Xi
 R41 43
 S(2), 22, 24, 26, 37/39
 412-530-3

- disodium 7-[4-chloro-6-(N-ethyl-o-toluidino)-1,3,5-triazin-2-ylamino]-4-hydroxy-3-(4-methoxy-2-sulfonatophenylazo)-2-naphthalenesulfonate
- Index 61 1-079-00-1
 Class'n Xi: R41
 Label Xi
 R41
 S(2), 22, 26, 39
 41 0-390-8

disodium 6-((4-chloro-6-(N-methyl)-2-toluidino)-1,3,5-triazin-2-ylamino)-1-hydroxy-2-(4-methoxy-2-sulfonatophenylazo)naphthalene-3-sulphonate

CAS 086393-35-3
 Index 016-038-00-6
 Class'n R43
 Label Xi
 R43
 S(2), 22, 24, 37
 400-380-1

- mixture of
 - disodium 6-(2,4-diaminophenylazo)-3-(4-(4-(2,4-diaminophenylazo)anilino)-3-sulfonatophenylazo)-4-hydroxynaphthalene-2-sulphonate
 - and
 - disodium 6-(2,4-dihydroxyphenylazo)-3-(4-(4-(2,4-dihydroxyphenylazo)anilino)-3-sulfonatophenylazo)-4-hydroxynaphthalene-2-sulphonate
 - and
 - trisodium 6-(2,4-dihydroxyphenylazo)-3-(4-(4-(7-(2,4-dihydroxyphenylazo)-1-hydroxy-3-sulfonato-2-naphthylazo)anilino)-3-sulfonatophenylazo)-4-hydroxynaphthalene-2-sulphonate
- Index 016-040-00-7 (see Part III)
 Class'n Xi:R36
 Label Xi
 R36
 S(2), 26
 400-570-4

disodium 7-(4,6-dichloro-1,3,5-triazin-2-ylamino)-4-hydroxy-3-(4-(2-(sulfonatooxy)ethylsulfonyl)phenylazonaphthalene-2-sulfonate)

Index 611-023-00-6
 Class'n R43
 Label Xi
 R43
 S(2), 22, 24, 37
 404-600-7

- mixture of
 - disodium 6-(2,4-dihydroxyphenylazo)-3-(4-(4-(2,4-dihydroxyphenylazo)anilino)-3-sulfonatophenylazo)-4-hydroxynaphthalene-2-sulphonate
 - and
 - disodium 6-(2,4-diaminophenylazo)-3-(4-(4-(2,4-diaminophenylazo)anilino)-3-sulfonatophenylazo)-4-hydroxynaphthalene-2-sulphonate
 - and
 - trisodium 6-(2,4-dihydroxyphenylazo)-3-(4-(4-(7-(2,4-dihydroxyphenylazo)-1-hydroxy-3-sulfonato-2-naphthylazo)anilino)-3-sulfonatophenylazo)-4-hydroxynaphthalene-2-sulphonate
- Index 016-040-00-7 (see Part III)
 Class'n Xi:R36
 Label Xi
 R36
 S(2), 26
 400-570-4

disodium ethylenebis(N,N'-dithiocarbamate) nabam (ISO)

CAS 000142-59-6
 Index 006-014-00-3
 Class'n Xn: R22 Xi: R37 R43 N: R50, 53
 Label Xn,N
 R22, 37, 43, 50/53
 S(2), 8, 24/25, 46, 60, 61
 205-547-0

disodium hexachloroplatinate

CAS 016923-58-3
 Index 078-006-00-8
 Class'n T: R25 Xi: R41 R42/43
 Label T
 R25, 41, 42/43
 S(1/2), 22, 26, 36/37/39, 45
 240-983-5

disodium S,S'-hexane-1,6-diyl-di(thiosulphate) dihydrate

Index 016-044-00-9
 Class'n R43 R52, 53
 Label Xi
 R43, 52/53
 S(2), 22, 24, 37, 6 1
 401-320-7

disodium {5-[(4'-(2,6-hydroxy-3-((2-hydroxy-5-sulphophenyl)azo)phenyl)azo)(1',2'-biphenyl)-4-yl]azo]salicylate(4-)} cuprate(2-)

C.I. Direct Brown 95
 CAS 016071-86-6
 Index 611-005-00-8
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 240-221-1

disodium metasilicate

CAS 006834-92-0
 Index 014-010-00-8
 Class'n C: R34 Xi: R37
 Label C
 R34, 37
 S(1/2), 13, 24/25, 36/37/39, 45
 229-912-9

disodium (3-methyl-4-(5-nitro-2-oxidophenylazo)-1-phenylpyrazolato)(1-(3-nitro-2-oxido-5-sulfonatophenylazo)-2-naphtholato)chromate(1-)

Index 024-015-00-7
 Class'n Xn: R20 Xi: R41 N: R51, 53
 Label Xn, N
 R20, 41, 51/53
 S(2), 26, 39, 61
 404-930-1

disodium 7-oxabicyclo(2.2.1)heptane-2,3-dicarboxylate endo-thal-sodium (ISO)

CAS 000129-67-9
 Index 607-055-00-5
 Class'n T: R25 Xn: R21 Xi: R36/37/38
 Label T
 R21, 25, 36/37/38
 S(1/2), 36/37/39, 45
 204-959-8

disodium sulphide

sodium sulphide
 CAS 001313-82-2
 Index 016-009-00-8
 Class'n R31 C: R34 N: R50
 Label C, N
 R31.34, 50
 S(1/2), 26, 45, 61
 215-211-5

disodium tetrachloroplatinate

CAS 010026-00-3
 Index 078-003-00-1
 Class'n T: R25 Xi: R38, 41 R42/43
 Label T
 R25, 38, 41, 42/43
 S(2), 22, 26, 36/37/39, 45
 233-051-4

disul

2-(2,4-dichlorophenoxy)ethylhydrogensulphate
 2,4-DES
 CAS 000149-26-8
 Index 016-025-00-5
 Class'n Xn: R22 Xi: R38, 41
 Label Xn
 R22, 38, 41
 S(2), 26
 205-259-5

disulfiram

tetraethylthiuramdisulfide
 CAS 000097-77-8
 Index 006-079-00-8
 Class'n Xn: R22, 48/22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 48/22, 50/53
 S(2), 24, 37, 60, 61
 202-607-8

disulfoton (ISO)

O,O-diethyl 2-ethylthioethyl phosphorodithioate
 CAS 000298-04-4
 Index 015-060-00-3
 Class'n T+: R27/28 N: R50, 53
 Label T+, N
 R27/28, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 206-054-3

disulphur dichloride

sulfur monochloride
 CAS 010025-67-9
 Index 016-012-00-4
 Class'n R14 T: R25 Xn: R20 R29 C: R35 N: R50
 Label T, C, N
 R14, 20, 25, 29, 35, 50
 S(1/2), 26, 36/37/39, 45, 61
 233-036-2
 conc Conc >= 25% T: C: R20, 25, 35
 Conc >= 10% and < 25% C: R22, 35
 Conc >= 5% and < 10% C: R22, 34
 Conc >= 3% and < 5% Xn: R22, 36/37/38
 Conc >= 1% and < 3% Xi: R36/37/38

ditalimfos

O,O-diethylphthalimidophosphonothioate

CAS 005131-24-8
 Index 015-120-00-9
 Class'n Xi: R38 R43
 Label Xi
 R38,43
 S(2),36/37
 225-875-8

2,4-di-tert-butylcyclohexanone

CAS 013019-04-0
 Index 606-043-00-7
 Class'n Xi: R38 N: R51, 53
 Label Xi, N
 R38,51/53
 S(2),37,61
 405-340-7

di-tert-butyl peroxide

CAS 000110-05-4
 Index 617-001-00-2
 Class'n O: R7 F: R11
 Label O, F
 R7,11
 S(2),3/7,14,16,36/37/39
 203-733-6

mixture of

3,5-di-tert-butyl-salicylic acid

and

hydroxyaluminium bis[2-hydroxy-3,S-di-tert-butylbenzoate]

CAS 130296-87-6
 Index 607-266-00-2 (see Part III)
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2)22,60,61
 406-890-0

- di-tert-(C12-14)-akylammonium 2-benzothiazolythiosuccinate**

CAS 125078-60-6
 Index 607-337-00-8
 Class'n R10 Xn: R22 Xi: R38,41 N: R51, 53
 Label Xn, N
 R10, 22, 38, 41, 51/53
 S(2), 26, 37/39, 61
 406-052-4

- mixture of**

di-2-tetradecyl)naphthalene isomers

and

mono-(2-tetradecyl)naphthalene isomers

and

tri-(2-tetradecyl)naphthalene isomers

CAS 132983-41-6
 Index 601-055-00-9 (see Part III)
 Class'n Xi: R36 R53
 Label Xi
 R36,53
 S(2),26,61
 410-190-0

dithalliumsulphate

thallic sulphate

CAS 007446-18-6
 Index 081-003-00-4
 Class'n T+: R28 T: R48/25 Xi: R38 N: R51,53
 Label T+, N
 R28,38,48/25,51/53
 S(1/2),13,36/37,45,61
 231-201-3

dithianon (ISO)

5,10-dihydro-5,10-dioxonaphtho(2,3-b)(1,4)dithi&e-2,3-dicarbonitrile

CAS 003347-22-6
 Index 613-021-00-0
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2),24,60,61
 222-098-6

- diuron (ISO)**

3-(3,4-dichlorophenyl(-1,,l-dimethylurea

CAS 000330-54-1
 Index 006-015-00-9
 Class'n Carc Cat 3: R40 Xn: R22,48/22 N: R50,53
 label Xn, N
 R22,40,48/22,50/53
 S(2), 13, 22, 23, 37, 46, 60, 61
 206-354-4

- divanadium pentaoxide**

vanadium pentoxide

CAS 001314-62-1
 Index 023-001-00-8
 Class'n Muta Cat 3: R68 Repr Cat 3: R63 T: R48/23
 Xn: R20/22 Xi: R37 N: R51,53
 Label T, N
 R20/22,37,48/23,51/53,63, 68
 S(1/2),36/37,38,45,61
 215-239-8

divanadyl pyrophosphate

CAS 065232-89-5
 Index 015-161-00-2
 Class'n Xn: R22 Xi: R41 R43 N: R51, 53
 Label Xn, N
 R22,41,43,51/53
 S(2), 24, 26, 37/39, 61
 407-130-0

dixanthogen

O,O-diethyl dithiobis(thioformate)

CAS 000502-55-6
 Index 006-049-00-4
 Class'n Xn: R22
 Label Xn
 R22
 S(2),24
 207-944-4

d-limonene Note C

dipentene
limonene
(R)-p-mentha-1,8-diene
(S)-p-mentha-1,8-diene
l-limonene
trans-1-methyl-4-(1-methylvinyl)cyclohexene
(+)-1-methyl-4-(1-methylvinyl)cyclohexene
CAS 005989-27-5
Index 601-029-00-7

Class'n R10 Xi:R38 R43 N:R50,53

Label Xi,N
R10, 38, 43, 50/53
S(2), 24, 37, 60, 61
227-813-5

● **D,L-(N,N-diethyl-2-hydroxy-2-phenylacetamide**

CAS 065197-96-8
Index 61-6-075-00-3
Class'n Xn:R22 Xi:R41
Label Xn
R22,41
S(2), 26, 39, 46
408-120-9

■ **DNOC**

4,6-dinitro-ocresol
CAS 000534-52-1
Index 609-020-00-X
Class'n Muta Cat 3: R68 T+: R26/27/28 Xi: R38,41
R43 R44 N:R50,53
Label T+,N
R26/27/28, 38, 41, 43, 44, 50/53, 68
S(1/2), 36/37, 45, 60, 61
208-601-1

■ **DNOC, ammonium salt of ammonium 4,6-dinitro-o-tolyl oxide**

CAS 002980-64-5
Index 609-022-00-0
Class'n T+: R26/27/28 R33 N: R50,53
Label T+,N
R26/27/28, 33, 50/53
S(1/2), 13, 28, 45, 60, 61
221-037-0

■ **DNOC, potassium salt of**

DNOC, sodium salt of
sodium 4,6-dinitro-o-cresolate
potassium 4,6-dinitro-o-cresolate
CAS 005787-96-2
Index 609-021-00-5
Class'n T: R23/24/25 R33 N: R50,53
Label T,N
R23/24/25, 33, 50/53
S(1/2), 13, 45, 60, 61

■ **DNOC, sodium salt of**

sodium 4,6-dinitro-o-cresolate
DNOC, potassium salt of
potassium 4,6-dinitro-o-cresolate
CAS 002312-76-7
Index 609-021-00-5
Class'n T: R23/24/25 R33 N: R50,53
Label T,N
R23/24/25, 33, 50/53
S(1/2), 13, 45, 60, 61
219-007-7

6-docosyloxy-1-hydroxy-4-(1-(4-hydroxy-3-methylphenanthren-1-yl)-3-oxo-2-oxaphenalen-1-yl)naphthalene-2-carboxylic acid

Index 607-221-00-7
Class'n R43 R53
Label Xi
R43,53
S(2), 24, 37, 61
404-550-6

dodecachloropentacyclo[5.2.1.0_{2,6}.0_{3,9}.0_{5,8}]decane

mirex
CAS 002385-85-5
Index 602-077-00-1
Class'n Carc Cat 3: R40 Repr Cat 3: R62,63 R64 Xn:
R21/22 N: R50,53
Label Xn,N
R21/22, 40, 50/53, 62, 63, 64
S(2), 13, 36/37, 46, 60, 61
219-196-6

● **(dodecakis(p-tolylthio)phthalocyaninato)copper(II) to (hexadecakis(p-tolyl)phthalocyaninato)copper(II); mixture of compounds from**

CAS 101408-30-4
Index 029-010-00-3
Class'n R43
Label Xi
R43
S(2), 24, 37
407-700-9

mixture of dodecanoic acid and

poly(1-7)lactate esters of dodecanoic acid
Index 607-301-00-1 (see Part 111)
Class'n Xi: R38,41 R43 N: R51,53
Label Xi,N
R38, 41, 43, 51/53
S(2), 24, 26, 37/39, 61
411-860-5

● **dodecyl 3-(2-(3-benzyl-4-ethoxy-2,5-dioxoimidazolidin-1-yl)-4,4-dimethyl-3-oxovaleramido)-4-chlorobenzoate**

CAS 092683-20-0
Index 616-067-00-X
Class'n R53
Label R53
S61
407-300-4

dodecyl 3-(2-(3-benzyl-4-ethoxy-2,5-dioxoimidazolidin-1-yl)-3-(4-methoxybenzoyl)acetamido)-4-chlorobenzoate

CAS 070950-45-7
Index 607-258-00-9
Class'n R53
Label R53
S61
403-990-6

dodecylguanidinium acetate

dodine

CAS 002439-10-3
 Index 607-076-00-X
 Class'n Xn: R22 Xi: R36/38 N: R50, 53
 Label Xn, N
 R22,36/38,50/53
 S(2),26,60,61
 219-459-5

dodecyl methacrylate

CAS 000142-90-5
 Index 607-247-00-9
 Class'n Xi: R36/37/38 N: R50, 53
 Label Xi, N
 R36/37/38,50/53
 S(2),26,28,60,61
 205-570-6
 Conc Conc >= 10% Xi: R36/37/38

dodecyl-omega-(C5/C6-cycloalkyl)alkyl carboxylate

CAS 104051-92-5
 Index 607-291-00-9
 Class'n R53
 Label R53
 S61
 410-630-1

• mixture of

dodecyloxy-1-methyl-1-[oxy-poly-(2-hydroxymethylethanoxy)] heptadecane

and

dodecyloxy-1-methyl-1-[oxy-poly-(2-hydroxymethylethanoxy)] pentadecane

Index 603-141-00-1 (see Part III)
 Class'n R52, 53
 Label R52/53
 S61
 413-780-6

• mixture of

dodecyloxy-1-methyl-1-[oxy-poly-(2-hydroxymethylethanoxy)] pentadecane

and

dodecyloxy-1-methyl-1-[oxy-poly-(2-hydroxymethylethanoxy)] heptadecane

Index 603-141-00-1 (see Part III)
 Class'n R52, 53
 Label R52/53
 S61
 413-780-6

• 3-dodecyl-(1-(1,2,2,6,6-pentamethyl-4-piperidin-yl)-2,5-pyrrolidindione

CAS 106917-30-0
 Index 616-063-00-8
 Class'n T: R23 Xn: R22,48/22 C: R35 N: R50,53
 Label T, C, N
 R22,23,35,48/22,50/53
 S(1/2),26,28,36/37/39,45,60,61
 411-920-0

1-dodecyl-2-pyrrolidone

CAS 002687-96-9
 Index 613-099-00-6
 Class'n C: R34 R43 N: R50, 53
 Label C, N
 R34,43,50/53
 S(1/2),26,36/37/39,45,60,61
 403-730-1

mixture of

4-dodecylsalicylaldehyde

and

bis(5-dodecyl-2-hydroxybenzaldehyde) copper (II)
 C12-alkyl group is branched

Index 612-158-00-3 (see Part III)
 Class'n R53
 Label R53
 S61
 410-820-4

• tert-(dodecyltetradecyl)-ammonium bis(3-(4-((5-(1,1-dimethyl-propyl)-2-hydroxy-3-nitrophenyl)azo)-3-methyl-5-hydroxy-(1H)pyrazol-1-yl)benzenesulfonamide)chromate

Index 611-092-00-2
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 413-210-6

mixture of

dodecyl-3-(2,2,4,4-tetramethyl-21-oxo-7-oxa-3,20-diazadispiro(5.1.11.2)heicosan-20-yl)propionate

and

teradecyl-3-(2,2,4,4-tetramethyl-21-oxo-7-oxo-3,20-diazadispiro(5.1.11.2)heicosan-20-yl)propionate

Index 607-174-00-2 (see Part III)
 Class'n Xi: R38 N: R51, 53
 Label Xi, N
 R38,51/53
 S(2),28,61
 400-580-9

• mixture of

dodecyl N-(2,2,6,6-tetramethylpiperidin-4-yl)-β-alaninate

and

tetradecyl N-(2,2,6,6-tetramethylpiperidin-4-yl)-β-alaninate

Index 607-333-00-6 (see Part III)
 Class'n Xn: R22,48/22 C: R34 N: R50,53
 Label C, N
 R22,34,48/22,50/53
 S(1/2),26,36/37/39,45,60,61
 405-670-1

dodecyl-3,4,5-trihydroxybenzoate

CAS 001166-52-5
 Index 607-200-00-2
 Class'n R43
 Label Xi
 R43
 S(2),24,37
 214-620-6

dodemorph (ISO)

4-cyclododecyl-2,6-dimethylmorpholine
 CAS 001593-77-7
 Index 61 3-057-00-7
 Class'n Xi: R36/37/38 N: R51, 53
 Label Xi,N
 R36/37/38, 51/53
 S(2), 26, 61
 216-474-9

dodine

dodecylguanidinium acetate
 CAS 002439-10-3
 Index 607-076-00-X
 Class'n Xn:R22 Xi:R36/38 N: R50, 53
 Label Xn,N
 R22, 36/38, 50/53
 S(2), 26, 60, 61
 21 9-459-5

•DODMAC

dimethyldioctadecylammonium chloride
 CAS 000107-64-2
 Index 612-1 62-00-5
 Class'n Xi: R41 N: R50, 53
 Label Xi,N
 R41, 50/53
 S(2), 24, 26, 39, 46, 60, 61
 203-508-2

drazoxolon (ISO)

4-(2-chlorophenylhydrazono)-3-methyl-5-isoxazolone
 CAS 005707-69-7
 Index 650-008-00-9
 Class'n T R25 N: R50, 53
 Label T,N
 R25, 50/53
 S(1/2), 22, 24, 36/37, 45, 60, 61
 227-197-8

■ 2,4-D, salts of Note A

Index 607-040-00-3
 Class'n Xn:R22 Xi: R41 R43 N: R51, 53
 Label Xn,N
 R22, 41, 43, 51/53
 S(2), 24/25, 26, 36/37/39, 46, 61

■ edifenphos (ISO)

O-ethyl S,S-diphenyl phosphorodithioate
 CAS 017109-49-8
 Index 015-121-00-4
 Class'n T R23/25 Xn: R21 R43 N: R50, 53
 Label T,N
 R21, 23/25, 43, 50/53
 S(1/2), 36/37, 45, 60, 61
 241-178-1

endosulfan (ISO)

1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethyl sulphite
 CAS 0001 15-29-7
 Index 602-052-00-5
 Class'n T: R24/25 Xi: R36 N: R50, 53
 Label T,N
 R24/25, 36, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 204-079-4

endothal

7-oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid
 CAS 000145-73-3
 Index 607-150-00-1
 Class'n T: R25 Xn: R21 Xi: R36/37/38
 Label T
 R21, 25, 36/37/38
 S(1/2), 36/37/39, 45
 205-660-5

endothal-sodium (ISO)

disodium 7-oxabicyclo(2.2.1)heptane-2,3-dicarboxylate
 CAS 0001 29-67-9
 Index 607-055-00-5
 Class'n T: R25 Xn: R21 Xi: R36/37/38
 Label T
 R21, 25, 36/37/38
 S(1/2), 36/37/39, 45
 204-959-8

endothion (ISO)

S-5-methoxy-4-oxopyran-2-ylmethyl dimethyl phosphorothioate
 CAS 002778-04-3
 Index 015-049-00-3
 Class'n T R24/25
 Label T
 R24/25
 S(1/2), 36/37 45
 220-472-3

endrin (ISO)

1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene
 CAS 000072-20-8
 Index 602-051-00-X
 Class'n T+: R28 T: R24 N: R50, 53
 Label T+,N
 R24, 28, 50/53
 S(1/2), 22, 36/37, 45, 60, 61
 200-775-7

ephedrine

CAS 000299-42-3
 Index 614-023-00-4
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 22, 25
 206-080-5

ephedrine, salts of Note A

Index 614-024-00-X
 Class'n Xn: R22
 Label Xn
 R22
 S(2),22,25

epichlorhydrin Note E

1-chloro-2,3-epoxypropane
 CAS 000106-89-8
 Index 603-026-00-6
 Class'n R10 Carc Cat 2: R45 T: R23/24/25 C: R34
 R43
 Label T
 R45,10,23/24/25,34,43
 S53,45
 203-439-8
 Conc Conc >= 10% T: R45,23/24/25,34,43
 Conc >= 5% and < 10% T: R45,23/24/25,36/38,
 43
 Conc >= 1% and < 5% T: R45,23/24/25,43
 Conc >= 0.1% and < 1% Xn: R20/21/22

EPN

0-ethyl 0-4-nitrophenyl phenylphosphonothioate
 CAS 002104-64-5
 Index 015-036-00-2
 Class'n T+: R27/28 N: R50, 53
 Label T+, N
 R27/28,50/53
 S(1/2),22,36/37,45,60,61
 218-276-8

1,2-epoxybutane

CAS 000106-88-7
 Index 603-102-00-9
 Class'n F: R11 Carc Cat 3: R40 Xn: R20/21/22 Xi:
 R36/37/38 R52.53
 Label F, Xn
 R11,20/21/22,36/37/38,40,52/53
 S(2), 9,16,29,36/37,61
 203-438-2

■ 1,2-epoxy-4-epoxyethylcyclohexane
vinylcyclohexanediepoxyde

CAS 000106-87-6
 Index 603-066-00-4
 Class'n T: R23/24/25 Xn: R68
 Label T
 R23/24/25,68
 S(1/2), 23, 24,45
 203-437-7
 Conc Conc >= 1% T: R23/24/25,68
 Cont >= 0.1% and < 1% Xn: R20/21/22

(epoxyethyl)benzene Note E

styreneoxide
 phenyloxirane
 CAS 000096-09-3
 Index 603-084-00-2
 Class'n Carc Cat 2: R45 Xn: R21 Xi: R36
 Label T
 R45,21,36
 S53,45
 202-476-7

2,3-epoxy- 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,
7-methanoine

heptachlorepoxyde
 CAS 001024-57-3
 Index 602-063-00-5
 Class'n T: R25 Carc Cat 3: R40 R33 N: R50,53
 Label T, N
 R25,33,40,50/53
 S(1/2)36/37,45,60,61
 213-831-0

■ 1,2-epoxy-3-phenoxypropane Note E

phenyl glycidylether
 2,3-epoxypropylphenylether
 CAS 000122-60-1
 Index 603-067-00-X
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Xn: R20 Xi:
 R37/38 R43 R52,53
 Label T
 R45,20,37/38,43,52/53
 S53,45,61
 204-557-2

■ 1,2-epoxypropane Note E

propyleneoxide
 methyloxirane
 CAS 000075-56-9
 Index 603-055-00-4
 Class'n F+: R12 Carc Cat 2: R45 Muta Cat 2: R46 Xn:
 R20/21/22 Xi: R36/37/38
 Label F+, T
 R45,46,12,20/21/22,36/37/38
 S53,45
 200-879-2

■ 2,3-epoxypropan-1-ol Note E

glycidol
 CAS 000556-52-5
 Index 603-063-00-8
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Repr Cat 2:
 R60 T: R23 Xn: R21/22 Xi: R36/37/38
 Label T
 R45,60,21/22,23,36/37/38
 S53,45
 209-128-3

● R-2,3-epoxy-1-propanol Note E

CAS 057044-25-4
 Index 603-143-00-2
 Class'n E: R2 Carc Cat 2: R45 Muta Cat 3: R68 Repr
 Cat 2: R60 T: R23 Xn: R21/22 C: R34
 Label E, T
 R45,60,2,21/22,23,34
 S53,45
 404-660-4

2,3-epoxypropyl acrylate Note D
glycidyl acrylate
CAS 000106-90-1
Index 607-1 17-00-1
Class'n T: R23/24/25 C: R34 R43
Label T
R23/24/25, 34, 43
S(1/2), 26, 36/37/39, 45
203-440-3
Conc Conc >= 10% T: R23/24/25, 34, 43
Conc >= 5% and < 10% T: R23/24/25, 36/38, 43
Conc >= 2% and < 5% T: R23/24/25, 43
Conc >= 0.2% and < 2% Xn: R20/21/22, 43

2,3-epoxypropyl-2-ethylcyclohexyl ether
ethylcyclohexylglycidyl ether
CAS 130014-35-6
Index 603-068-00-5
Class'n Xi: R36/38 R43
label Xi
R36/38, 43
S(2), 26, 28, 37/39
Conc Conc >= 20% Xi: R36/38, 43
Conc >= 1% and < 20% Xi: R43

2,3-epoxypropyl methacrylate Note D
glycidyl methacrylate
CAS 000106-91-2
Index 607-123-00-4
Class'n Xn: R20/21/22 Xi: R36/38 R43
Label Xn
R20/21/22, 36/38, 43
S(2), 26, 28
203-441-9
Conc Conc >= 25% Xn: R20/21/22, 36/38, 43
Conc >= 10% and < 25% Xi: R36/38, 43
Conc >= 1% and < 10% Xi: R43

■ **2,3-epoxypropyl phenyl ether** Note E
1,2-epoxy-3-phenoxypropane
phenylglycidylether
CAS 000122-60-1
Index 603-067-00-X
Class'n Carc Cat 2: R45 Muta Cat 3: R68 Xn: R20 Xi:
R37/38 R43 R52, 53
Label T
R45, 20, 37/38, 43, 52/53
S53, 45, 61
204-557-2

■ **2,3-epoxypropyl o-tolyl ether** Note C
CAS 002210-79-9
Index 603-056-00-X (see Part III)
Class'n Muta Cat 3: R68 Xi: R38 R43 N: R51, 53
Label Xn, N
R38, 43, 51/53, 68
S(2), 36/37, 61
218-645-3

epoxy resin (number average molecular weight <= 700)
bisphenol A-(epichlorhydrin)(reaction product)
CAS 025068-38-6
Index 603-074-00-8
Class'n Xi: R36/38 R43 N: R51, 53
Label Xi, N
R36/38, 43, 51/53
S(2), 28, 37/39, 61
500-033-5
Conc Conc >= 5% Xi: R36/38, 43
Conc >= 1% and < 5% Xi: R43

EPTC (ISO)
S-ethyl dipropylthiocarbamate
CAS 000759-94-4
Index 006-030-00-0
Class'n Xn: R22
Label Xn
R22
S43, 23
212-073-8

erbon
2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate
CAS 000136-25-4
Index 607-077-00-5
Class'n Xn: R22 N: R51, 53
Label Xn, N
R22, 51/53
S(2), 61

erionite
CAS 012510-42-8
Index 650-012-00-0
Class'n Carc Cat 1: R45
Label T
R45
S53, 45

esbiothrin Note C
CAS 084030-86-4
Index 006-025-00-3 (see Part III)
Class'n Xn: R20/22 N: R50, 53
Label Xn, N
R20/22, 50/53
S(2), 36, 60, 61

esfenvalerate
(S)-a-cyano-3-phenoxybenzyl-(S)2-(4-chlorophenyl)3-methylbutyrate
CAS 066230-04-4
Index 650-033-00-5
Class'n T: R23/25 R43 N: R50, 53
Label T, N
R23/25, 43, 50/53
S(1/2), 24, 36/37/39, 45, 60, 61

etacelad Note E

6-(2-chloroethyl)-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane

CAS 037894-46-5

Index 014-014-00-X

Class'n Repr Cat 2: R61 Xn: R22.48/22

Label T
R61,22,48/22
S53,45
253-704-7•(eta-cumene)-(eta-cyclopentadienyl)iron(II)
hexafluoroantimonate

CAS 100011-37-8

Index 026-001-00-6

Class'n Xn: R22 Xi: R41 R52,53

Label Xn
R22,41,52/53
S(2),22,26,39,61
407-840-0•(eta-cumene)-(eta-cyclopentadienyl)iron(II)
trifluoromethane-sulfonate

CAS 117549-13-0

Index 026-002-00-1

Class'n Xn: R22 R52, 53

Label Xn
R22.52/53
S(2),26,61
407-880-9(eta-cyclopentadienyl) (eta-cumenyl) iron (1+)
hexafluorophosphate(1-)

CAS 032760-80-8

Index 015-158-00-6

Class'n R52, 53

Label R52/53
S61
402-340-9

etem

5,6-dihydro-3H-imidazo[2,1-c]-1,2,4-dithiazole-3-thione

CAS 033813-20-6

Index 613-123-00-5

Class'n Xn: R22 N: R50, 53

Label Xn, N
R22,50/53
S(2),60,61
251-684-4

ethanal

acetaldehyde

CAS 000075-07-0

Index 605-003-00-6

Class'n F+: R12 Carc Cat 3: R40 Xi: R36/37

Label F+, Xn
R12.36/37,40
S(2),16,33,36/37
200-836-8

ethane

CAS 000074-84-0

Index 601-002-00-X

Class'n F+: R12

Label F+
R12
S(2),9,16,33
200-814-8ethanedial ... % Note 8

glyoxal ... %

CAS 000107-22-2

Index 605-016-00-7

Class'n Muta Cat 3: R68 Xn: R20 Xi: R36/38 R43

Label Xn
R20,36/38,43,68
S(2),36/37
203-474-9Conc Conc >= 10% Xn: R20, 36/38,43,68
Conc >= 1% and < 10% Xn: R43,68

ethanediol

ethylene glycol

CAS 000107-21-1

Index 603-027-00-1

Class'n Xn: R22

Label Xn
R22
S(2)
203-473-3

Conc Conc >= 25% Xn: R22

ethanethiol

ethylmercaptan

CAS 000075-08-1

Index 016-022-00-9

Class'n F: R11 Xn: R20 N: R50, 53

Label F, Xn, N
R11,20,50/53
S(2),16,25,60,61
200-837-3

ethanol

ethyl alcohol

CAS 000064-17-5

Index 603-002-00-5

Class'n F: R11

Label F
R11
S(2),7,16
200-578-6

ethanolamine

2-aminoethanol

CAS 000141-43-5

Index 603-030-00-8

Class'n Xn: R20 Xi: R36/37/38

Label Xn
R20, 36/37/38
S(2)
205-483-3

4,4',4''-(ethan-1,1,1-triyl)triphenol

CAS 027955-94-8
 Index 604-048-00-9
 Class'n N: R51/53
 Label N
 R51/53
 S61
 405-800-7

ethephon

2-chloroethylphosphonic acid
 CAS 016672-87-0
 Index 015-154-00-4
 Class'n Xn: R20/21 C: R34 R52,53
 Label C
 R20/21, 34, 52/53
 S(1/2), 26, 28, 36/37/39, 45, 61
 240-718-3
 Conc Conc >= 25% C: R20/21, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

ether

diethylether
 CAS 000060-29-7
 Index 603-022-00-4
 Class'n F+: R12 R19 Xn: R22 R66 R67
 Label Ft+, Xn
 R12, 19, 22, 66, 67
 S(2), 9, 16, 29, 33
 200-467-2

ethidimuron

1-(5-ethylsulphonyl-1,3,4-thiadiazol-2-yl)1,3-dimethylurea
 CAS 030043-49-3
 Index 616-030-00-8
 Class'n R43 N: R50, 53
 Label Xi, N
 R43, 50/53
 S(2), 24, 37, 60, 61
 250-010-6

ethiofencarb (ISO)

2-(ethylthiomethyl)phenyl N-methylcarbamate
 CAS 029973-13-5
 Index 006-048-00-9
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 249-981-9

ethion(ISO)

O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate)
 CAS 000563-12-2
 Index 015-047-00-2
 Class'n T: R25 Xn: R21
 Label T
 R21, 25
 S(1/2), 25, 36/37, 45
 209-242-3

ethirimol (ISO)

5-butyl-2-ethy lamino-6-methy lpyrimidin-4-01
 CAS 023947-60-6
 Index 603-086-00-3
 Class'n Xn: R21
 Label Xn
 R21
 S(2), 36/37
 245-949-3

ethoate-methyl(ISO)

ethylcarbamoymethyl O,O-dimethyl phosphorodithioate
 CAS 000116-01-8
 Index 015-089-00-1
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2), 36/37
 204-121-1

ethoexadiol

2-ethylheme-1,3-diol
 octylene glycol
 CAS 000094-96-2
 Index 603-087-00-9
 Class'n Xi: R41
 Label Xi
 R41
 S(2), 25, 26, 39, 46
 202-377-9

ethofumesate (ISO)

(+/-)-2-ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl
 methanesulfonate
 CAS 026225-79-6
 Index 607-314-00-2
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 247-525-3

ethoprophos (ISO)

ethyl S,S-dipropyl phosphorodithioate
 CAS 013194-48-4
 Index 015-107-00-8
 Class'n T+: R27 T: R25
 Label T+
 R25, 27
 S(1/2), 36/37/39, 45
 236-152-1

2-ethoxyaniline Note C

CAS 000094-70-2
 Index 612-039-00-6 (see Part III)
 Class'n T: R23/24/25 R33
 Label T
 R23/24/25, 33
 S(1/2), 28, 36/37, 45
 202-356-4

4-ethoxyaniline Note C

CAS 000156-43-4
 Index 612-039-00-6 (see Part III)
 Class'n T: R23/24/25 R33
 Label T
 R23/24/25, 33
 S(1/2), 28, 36/37, 45
 205-855-5

• 4'-ethoxy-2-benzimidazoleanilide

CAS 120187-29-3
 Index 61 6-073-00-2
 Class'n Muta Cat 3: R68 R53
 Label Xn
 R68, 53
 S(2), 22, 36/37, 61
 407-600-5

N-ethoxycarbonyl-N-methylcarbamoylmethyl O,O-diethyl phosphorodithioate mecarbam (ISO)

CAS 002595-54-2
 Index 015-045-00-1
 Class'n T: R24/25 N: R50, 53
 Label T, N
 R24/25, 50/53
 S(1/2), 36/37, 45, 60, 61
 219-993-9

• (+/-)-2-ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methanesulfonate ethofumesate (ISO)

CAS 026225-79-6
 Index 607-314-00-2
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 247-525-3

6-ethoxy-1,2-dihydro-2,2,4-trimethylquinoline ethoxyquin

CAS 000091-53-2
 Index 613-014-00-2
 Class'n Xn:R22
 Label Xn
 R22
 S(2), 24
 202-075-7

2-ethoxyethanol Note E

ethyleneglycolmonoethylether

CAS 000110-80-5
 Index 603-012-00-X
 Class'n R10 Repr Cat 2: R60, 61 Xn: R20/21/22
 Label T
 R60, 61, 10, 20/21/22
 S53, 45
 203-804-1

2-ethoxyethyl acetate Note E

ethylglycol acetate

CAS 000111-15-9
 Index 607-037-00-7
 Class'n Repr Cat 2: R60, 61 Xn: R20/21/22
 Label T
 R60, 61, 20/21/22
 S53, 45
 203-839-2

2-ethoxyethyl 2-(4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy)propionate haloxyfop-(2-ethoxyethyl) (ISO)

CAS 087237-48-7
 Index 607-207-00-0
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 22, 36, 60, 61
 402-560-5

2-ethoxyethyl 2-(4-(2,6-dihydro-2,6-dioxo-7-phenyl-1,5-dioxaindacen-3-yl)phenoxy)acetate

Index 607-217-00-5
 Class'n R43 R53
 Label Xi
 R43, 53
 S(2), 24, 37, 61
 403-960-2

O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethyl phosphorothioate

etrimfos

CAS 038260-54-7
 Index 015-122-00-X
 Class'n Xn:R22
 Label Xn
 R22
 S(2)
 253-855-9

• ethoxylated bisphenol A di-(norbornene carboxylate)

Index 607-372-00-9
 Class'n R52, 53
 Label R52/53
 S61
 412-410-0

ethoxyquin

6-ethoxy-1,2-dihydro-2,2,4-trimethylquinoline

CAS 000091-53-2
 Index 613-014-00-2
 Class'n Xn:R22
 Label Xn
 R22
 S(2), 24
 202-075-7

● ethoxysulfuron

	1-(4,6-dimethoxypyrimidin-2-yl)-3-(2-ethoxyphenoxy-sulfonyl) urea
CAS	126801-58-9
Index	016-082-00-6
Class'n	N: R50, 53
Label	N R50/53 S60, 61

5-ethoxy-3-trichloromethyl-1,2,4-thiadiazole
etridiazole

CAS	002593-15-9
index	613-133-00-X
Class'n	Carc Cat 3: R40 T: R23 Xn: R21/22 N: R50, 53
Label	T, N R21/22, 23, 40, 50/53 S(1/2), 36/37, 38, 45, 60, 61 219-991-8

ethyl acetate

CAS	000141-78-6
Index	607-022-00-5
Class'n	F: R11 Xi: R36 R66 R67
Label	F, Xi R11, 36, 66, 67 S(2), 16, 26, 33 205-500-4

mixture of

2-[[4-[N-ethyl-N-(2-acetoxyethyl)amino]phenyl]azo]-6,7-dichlorobenzothiazole { 1 part of }

and

2-[[4-[N-ethyl-N-(2-acetoxyethyl)amino]phenyl]azo]-5,6-dichlorobenzothiazole { 1 part of }

CAS	111381-11-4
Index	611-047-00-7 (see Part III)
Class'n	R53
Label	R53 S61 407-890-3

mixture of

2-[[4-[N-ethyl-N-(2-acetoxyethyl)amino]phenyl]azo]-5,6-dichlorobenzothiazole { 1 part of }

and

2-[[4-[N-ethyl-N-(2-acetoxyethyl)amino]phenyl]azo]-6,7-dichlorobenzothiazole { 1 part of }

CAS	111381-11-4
Index	611-047-00-7 (see Part III)
Class'n	R53
Label	R53 S61 407-890-3

ethyl acrylate Note D

CAS	000140-88-5
Index	607-032-00-X
Class'n	F: R11 Xn: R20/21/22 Xi: R36/37/38 R43
Label	F, Xn R11, 20/21/22, 36/37/38, 43 S(2), 9, 16, 33, 36/37 205-438-8
Conc	Conc >= 25% Xn: R20/21/22, 36/37/38, 43 Conc >= 5% and < 25% Xi: R36/37/38, 43 Conc >= 1% and < 5% Xi: R43

ethyl alcohol

	ethanol
CAS	000064-17-5
Index	603-002-00-5
Class'n	F: R11
Label	F R11 S(2), 7, 16 200-578-6

ethylamine

CAS	000075-04-7
Index	612-002-00-4
Class'n	F+: R12 Xi: R36/37
Label	F+, Xi R12, 36/37 S(2), 16, 26, 29 200-834-7

2-ethylamino-4-isopropylamino-6-methylthio-1,3,5-triazine
ametryn (ISO)

CAS	000834-12-8
Index	613-010-00-0
Class'n	Xn: R22 N: R50, 53
Label	Xn, N R22, 50/53 S(2), 36, 60, 61 212-634-7

N-ethylaniline

CAS	000103-69-5
Index	612-053-00-2
Class'n	T: R23/24/25 R33
Label	T R23/24/25, 33 S(1/2), 28, 37, 45 203-135-5

ethylbenzene

CAS	000100-41-4
Index	601-023-00-4
Class'n	F: R11 Xn: R20
Label	F, Xn R11, 20 S(2), 16, 24/25, 29 202-849-4
Conc	Conc >= 25% Xn: R20

ethyl N-benzoyl-N-(3,4-dichlorophenyl)-DL-alaninate
benzoylprop-ethyl (ISO)

CAS	022212-55-1
Index	607-154-00-3
Class'n	Xn: R22 N: R50, 53
Label	Xn, N R22, 50/53 S(2), 24, 60, 61 244-845-5

ethyl 3,3-bis[(1,1-dimethylpropyl)peroxy]butyrate

CAS	067567-23-1
Index	607-213-00-3
Class'n	E: R2 O: R7 R10 N: R51, 53
Label	E, N R2, 7, 10, 51/53 S(2), 3/7, 14, 33, 36/37/39, 61 403-320-2

ethyl bromide

bromoethane

CAS 000074-96-4
 Index 602-055-00-1
 Class'n F: R11 Carc Cat3: R40 Xn: R20/22
 Label F, Xn
 R11, 20/22, 40
 S(2), 36/37
 200-825-8

ethyl bromoacetate

CAS 000105-36-2
 Index 607-069-00-1
 Class'n T+: R26/27/28
 Label T+
 R26/27/28
 S(1/2), 7/9, 26, 45
 203-290-9

2-ethylbutan-1-ol

CAS 000097-95-0
 Index 603-051-00-2
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2)
 202-621-4
 Conc Conc >= 25% Xn: R21/22

ethyl carbamate

urethane(INN)

CAS 000051-79-6
 Index 607-149-00-6
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 200-123-1

ethylcarbamoylmethyl O,O-dimethyl phosphorodithioate

ethoate-methyl(ISO)

CAS 000116-01-8
 Index 015-089-00-1
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2), 36/37
 204-121-1

ethyl chloroacetate

CAS 000105-39-5
 Index 607-070-00-7
 Class'n T: R23/24/25 N: R50
 Label T, N
 R23/24/25, 50
 S(1/2), 7/9, 45, 61
 203-294-0

ethyl 2-[4-[(6-chlorobenzoxazol-2-yl)oxy]phenoxy]propionate

fenoxaprop-ethyl

CAS 066441-23-4
 Index 604-039-00-X
 Class'n R43 N: R50, 53
 Label Xi, N
 R43, 50/53
 S(2), 24, 37, 60, 61
 266-362-9

ethyl-2-chloro-2,2-diphenylacetate

CAS 052460-86-3
 Index 607-265-00-7
 Class'n Xi: R38 R52, 53
 Label Xi
 R38, 52/53
 S(2), 37, 61
 406-580-5

ethyl chloroformate

CAS 000541-41-3
 Index 607-020-00-4
 Class'n F: R11 T+: R26 Xn: R22 C: R34
 Label F, T+
 R11, 22, 26, 34
 S(1/2), 9, 16, 26, 28, 33, 36/37/39, 45
 208-778-5

• ethyl 4-chloro-2-oxo-2H-bothiazole-3-acetate

benazolin-ethyl

CAS 025059-80-7
 Index 607-31 1-00-6
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 246-591-0

ethyl 2-cyanoacrylate

CAS 007085-85-0
 Index 607-236-00-9
 Class'n Xi: R36/37/38
 Label Xi
 R36/37/38
 S(2), 23, 24/25, 26
 230-391-5
 Conc Conc >= 10% Xi: R36/37/38

ethylcyclohexylglycidyl ether

2,3-epoxypropyl-2-ethylcyclohexyl ether

CAS 130014-35-6
 Index 603-068-00-5
 Class'n Xi: R36/38 R43
 Label Xi
 R36/38, 43
 S(2), 26, 28, 37/39
 Conc Conc >= 20% Xi: R36/38, 43
 Conc >= 1% and < 20% XiR43

- ethyl 2-cyclohexylpropionate

CAS 002511-00-4
 Index 607-354-00-0
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 412-280-5

- ethyl 5-(1,2,3,5,6,7,8,9,10,10-decachloro-4-hydroxypentacyclo(5,2,1,0,2,6,0,3,9,0,5,8)dec-4-yl)-4-oxovalerate

kelevan (ISO)
 ethyl 5-(perchloro-5-hydroxypentacyclo[5,3,0,0,2,6,0,3,9,0,4,8]-decan-5-yl)-4-oxopentanoate
 CAS 004234-79-1
 Index 607-079-00-6
 Class'n T: R24 Xn: R22 N: R51, 53
 Label T, N
 R22,24,51/53
 S(1/2),36/37,45,61

- ethyl 4,4'-dichlorobenzilate

chlorobenzilate(ISO)
 ethyl 2,2-di(4-chlorophenyl)-2-hydroxyacetate
 CAS 000510-15-6
 Index 607-159-00-0
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2),60,61
 208-110-2

- mixture of
 2-p-ethyl-4-[(5,6-dichlorobenzothiazol-2-yl)azo]-m-toluidinoethyl acetate { 1 part of }

and
 2-[ethyl-4-[(6,7-dichlorobenzothiazol-2-yl)azo]-m-toluidino]ethyl acetate { 1 part of }

Index 611-083-00-3 (see Part III)
 Class'n T: R48/25 R43 N: R51/53
 Label T, N
 R43,48/25,51/53
 S(1/2), 22, 36/37,45,61
 411-560-4

- mixture of
 2-[N-ethyl-4-[(6,7-dichlorobenzothiazol-2-yl)azo]-m-toluidinoethyl acetate { 1 part of }

and
 2-[N-ethyl-4-[(5,6-dichlorobenzothiazol-2-yl)azo]-m-toluidinoethyl acetate { 1 part of }

Index 611-083-00-3 (see Part III)
 Class'n T R48/25 R43 N: R51/53
 Label T, N
 R43,48/25,51/53
 S(1/2),22,36/37,45,61
 411-560-4

- ethyl 2,2-di(4-chlorophenyl)-2-hydroxyacetate

chlorobenzilate (KO)
 ethyl 4,4'-dichlorobenzilate
 CAS 000510-15-6
 Index 607-159-00-0
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2),60,61
 208-110-2

- ethyl N-[2,3-dihydro-2,2-dimethylbenzofuran-7-yloxy carbonyl(methyl)aminothio]-N-isopropyl-β-alaninate

benfurcarb (ISO)
 CAS 082560-54-1
 Index 006-088-00-7
 Class'n T: R23/25 N: R50, 53
 Label T, N
 R23/25,50/53
 S(1/2),36/37,45,60,61

- ethyl 2-(dimethoxyphosphinothioylthio)-2-phenylacetate

phenthoate(ISO)
 CAS 002597-03-7
 Index 015-097-00-5
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2),22,36/37
 219-997-0

- ethyldimethylamine

CAS 000598-56-1
 Index 612-076-00-8
 Class'n F+: R12 Xn: R20/22 C: R34
 Label F+, C
 R12,20/22,34
 S(1/2),3,16,26,36,45
 209-940-8

- S-ethylN-(dimethylaminopropyl)thiocarbamatehydrochloride

prothiocarb hydrochloride
 CAS 019622-19-6
 Index 006-061-00-X
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22,51/53
 S(2) 61
 243-193-9

- O-ethyl S,S-diphenyl phosphorodithioate

edifenphos(ISO)
 CAS 017109-49-8
 Index 015-121-00-4
 Class'n T: R23/25 Xn: R21 R43 N: R50,53
 Label T, N
 R21,23/25,43,50/53
 S(1/2),36/37,45,60,61
 241-178-1

ethyl S,S-dipropyl phosphorodithioate

ethoprophos (ISO)
 CAS 013194-48-4
 Index 015-107-00-8
 Class'n T+:R27 T:R25
 Label T+
 R25, 27
 S(1/2), 36/37/39, 45
 236-152-1

S-ethyl dipropylthiocarbamate

EPTC (ISO)
 CAS 000759-94-4
 Index 006-030-00-0
 Class'n Xn:R22
 Label Xn
 R22
 S(2), 23
 21 2-073-8

ethyl DL-lactate Note C

CAS 000097-64-3
 Index 607-129-00-7 (see Part III)
 Class'n R10 Xi:R37,41
 Label Xi
 R10, 37, 41
 S(2), 24, 26, 39
 202-598-0

● mixture of

ethyl endo-tricyclo[5.2.1.0^{2,6}]decane-exo-2-carboxylate

and

ethyl exo-tricyclo[5.2.1.0^{2,6}]decane-endo-2-carboxylate

CAS 080657-64-3
 Index 607-353-00-5 (see Part III)
 Class'n Xi:R38 N:R51,53
 Label Xi,N
 R38, 51/53
 S(2), 37, 61
 407-520-0

ethylene

CAS 000074-85-1
 Index 601-010-00-3
 Class'n F+:R12
 Label F+
 R12
 S(2), 9, 16, 33
 200-815-3

ethylene bis(trichloroacetate)

CAS 002514-53-6
 Index 602-068-00-2
 Class'n Xi:R38
 Label Xi
 R38
 S(2)
 219-732-9

N,N'-ethylenebis(vinylsulfonylacetamide)

CAS 066710-66-5
 Index 616-029-00-2
 Class'n Xi:R41 R43
 Label Xi
 R41,43
 S(2), 24, 26, 37/39
 404-790-1

ethylene chlorohydrin

2-chloroethanol

CAS 000107-07-3
 Index 603-028-00-7
 Class'n T+:R26/27/28
 Label T+
 R26/27/28
 S(1/2), 7/9, 28, 45
 203-459-7
 Conc Cone >= 7% T+:R26/27/28
 Conc >= 1% and < 7% T:R23/24/25
 Conc >= 0.1% and < 1% Xn:R20/21/22

ethylenediamine

1,2-diaminoethane

CAS 000107-15-3
 Index 612-006-00-6
 Class'n R10 Xn:R21/22 C:R34 R42/43
 Label C
 R10, 21/22, 34, 42/43
 S(1/2), 23, 26, 36/37/39, 45
 203-468-6
 Conc Cone >= 25% C:R21/22, 34, 42/43
 Conc >= 10% and < 25% C:R34, 42/43
 Conc >= 2% and < 10% Xn:R36/38, 42/43
 Conc >= 1% and < 2% Xn:R42/43

ethylenediammonium O,O-bis(octyl) phosphorodithioate (mixed isomers)

Index 015-141-00-3
 Class'n C:R34 Xn:R22 N:R50,53
 Label C,N
 R22, 34, 50/53
 S(1/2), 24/25, 26, 28, 39, 45, 60, 61
 400-520-1

ethylene dichloride Note E

1,2-dichloroethane

CAS 000107-06-2
 Index 602-012-00-7
 Class'n F:R11 Carc Cat2:R45 Xn:R22 Xi:R36/37/38
 Label F,T
 R45, 11, 22, 36/37/38
 S53, 45
 203-458-1
 Conc Cone >= 25% T:R45, 22, 36/37/38
 Conc >= 20% and < 25% T:R45, 36/37/38
 Conc >= 0.1% and < 20% T:R45

ethylene dimethacrylate Note D

CAS 000097-90-5
 Index 607-114-00-5
 Class'n Xi:R37 R43
 Label Xi
 R37, 43
 S(2), 24, 37
 202-617-2
 Conc Conc >= 10% Xi: R37, 43
 Conc >= 1% and < 10% Xi: R43

ethylene dinitrate

ethyleneglycoldinitrate
 CAS 000628-96-6
 Index 603-032-00-9
 Class'n E: R2 T+: R26/27/28 R33
 Label E,T+
 R2, 26/27/28, 33
 S(1/2), 33, 35, 36/37, 45
 211-063-0

mixture of

2,2',2'',2'''-(ethylenedinitrilo)tetrakis-N,N-di(C18)
 alkylacetamide

and

2,2',2'',2'''-(ethylenedinitrilo)tetrakis-N,N-di(C16)
 alkylacetamide

Index 616-047-00-0 (see Part III)
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 406-640-0

mixture of

2,2',2'',2'''-(ethylenedinitrilo)tetrakis-N,N-di(C16)
 alkylacetamide

and

2,2',2'',2'''-(ethylenedinitrilo)tetrakis-N,N-di(C18)
 alkylacetamide

Index 616-047-00-0 (see Part III)
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 406-640-0

2,2'-(ethylenedioxy)diethyl diacrylate Note D

hiethylene glycol diacrylate
 CAS 001680-21-3
 Index 607-126-00-0
 Class'n Xi:R36/38 R43
 Label Xi
 R36/38, 43
 S(2), 26, 28
 216-853-9
 Conc Conc >= 20% Xi: R36/38, 43
 Conc >= 1% and < 20% Xi: R43

ethylene glycol

ethanediol
 CAS 000107-21-1
 Index 603-027-00-1
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 203-473-3
 Conc Conc >= 25% Xn: R22

ethylene glycol dimethyl ether

1,2-dimethoxyethane
 CAS 000110-71-4
 Index 603-031-00-3
 Class'n R10 R19 Xn:R20
 Label Xn
 R10, 19, 20
 S(2), 24/25
 203-794-9

ethylene glycol dinitrate

ethylene dinitrate
 CAS 000628-96-6
 Index 603-032-00-9
 Class'n E: R2 T+: R26/27/28 R33
 Label E,T+
 R2, 26/27/28, 33
 S(1/2), 33, 35, 36/37, 45
 211-063-0

ethylene glycol monobutyl ether

2-butoxyethanol
 butylcellosolve
 CAS 000111-76-2
 Index 603-014-00-0
 Class'n Xn: R20/21/22 Xi: R36/38
 Label Xn
 R20/21/22, 36/38
 S(2), 36/37, 46
 203-905-0

ethylene glycol monoethyl ether Note E

2-ethoxyethanol
 CAS 000110-80-5
 Index 603-012-00-X
 Class'n R10 ReprCat 2: R60, 61 Xn: R20/21/22
 Label T
 R60, 61, 10, 20/21/22
 S53, 45
 203-804-1

ethylene glycol monoisopropyl ether

2-isopropoxyethanol
 CAS 000109-59-1
 Index 603-013-00-5
 Class'n Xn: R20/21 Xi: R36
 Label Xn
 R20/21, 36
 S(2), 24/25
 203-685-6
 Conc Conc >= 25% Xn: R20/21, 36
 Conc >= 20% and < 25% Xi: R36

ethylene glycol monomethyl ether Note E

2-methoxyethanol
 CAS 000109-86-4
 Index 603-011-00-4
 Class'n R10 Repr Cat 2: R60,61 Xn: R20/21/22
 Label T
 R60, 61, 10, 20/21/22
 S53, 45
 203-713-7

ethyleneimine Notes D and E

aziridine
 CAS 000151-56-4
 Index 613-001-00-1
 Class'n F: R11 Carc Cat 2: R45 Muta Cat 2: R46 T+:
 R26/27/28 C: R34 N: R51, 53
 Label F, T+, N
 R45, 46, 11, 26/27/28, 34, 51/53
 S53, 45, 61
 205-793-9

ethylene oxide Note E

oxirane
 CAS 000075-21-8
 Index 603-023-00-X
 Class'n F+: R12 Carc Cat 2: R45 Muta Cat 2: R46 T:
 R23 Xi: R36/37/38
 Label F+, T
 R45, 46, 12, 23, 36/37/38
 S53, 45
 200-849-9

ethylene thiourea Note E

imidazolidine-2-thione
 2-imidazoline-2-thiol
 CAS 000096-45-7
 Index 61 3-039-00-9
 Class'n Repr Cat 2: R61 Xn: R22
 Label T
 R61, 22
 S53, 45
 202-506-9

● ethyl 1-ethyl-6,7,8-trifluoro-1,4-dihydro-4-oxoquinoline-3-carboxylate

CAS 100501-62-0
 Index 607-334-00-1
 Class'n R43 R52, 53
 Label Xi
 R43, 52/53
 S(2), 24, 37, 61
 405-880-3

● mixture of

ethyl exo-tricyclo[5.2.1.0^{2,6}]decane-endo-2-carboxylate

and

ethyl endo-tricyclo[5.2.1.0^{2,6}]decane-exo-2-carboxylate

CAS 080657-64-3
 Index 607-353-00-5 (see Part III)
 Class'n Xi: R38 N: R51, 53
 Label Xi, N
 R38, 51/53
 S(2), 37, 61
 407-520-0

ethyl formate

CAS 000109-94-4
 Index 607-015-00-7
 Class'n F: R11 Xn: R20/22 Xi: R36/37
 Label F, Xn
 R11, 20/22, 36/37
 S(2), 9, 16, 24, 26, 33
 203-721-0

ethylglycol acetate Note E

2-ethoxyethyl acetate
 CAS 000111-15-9
 Index 607-037-00-7
 Class'n Repr Cat 2: R60, 61 Xn: R20/21/22
 Label T
 R60, 61, 20/21/22
 S53, 45
 203-839-2

2-ethylhexane-1,3-diol

octylene glycol
 ethoxadiol
 CAS 000094-96-2
 Index 603-087-00-9
 Class'n Xi: R41
 Label Xi
 R41
 S(2), 25, 26, 39, 46
 202-377-9

2-ethylhexanoic acid

CAS 000149-57-5
 Index 607-230-00-6
 Class'n Repr Cat 3: R63
 Label Xn
 R63
 S(2), 36/37
 205-743-6

mixture of

2-ethylhexanoic acid

and

pentaerythritol tetraesters

and

heptanoic acid

Index 607-296-00-6 (see Part III)
 Class'n R53
 Label R53
 S61
 410-830-9

2-ethylhexyl acrylate Note D

CAS 000103-11-7
 Index 607-107-00-7
 Class'n Xi: R37/38 R43
 Label Xi
 R37/38, 43
 S(2), 24, 37
 203-080-7
 Conc Conc >= 20% Xi: R37/38, 43
 Conc >= 1% and < 20% Xi: R43

2-ethylhexyl[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]thio]acetate
 CAS 080387-97-9
 Index 607-203-00-9
 Class'n Repr Cat 2: R61 R43 R52,53
 Label T
 R61,43,52153
 S53,45,61
 279-452-8

4-[N-ethyl-N-(2-hydroxyethyl)amino]-1-(2-hydroxyethyl)amino-2-nitrobenzene, monohydrochloride
 CAS 132885-85-9
 Index 612-153-00-6
 Class'n Xn: R22 R43 R52, 53
 Label Xn
 R22,43,52/53
 S(2),22,24,37,61
 407-020-2

2-(4-(N-ethyl-N-(2-hydroxyethyl)amino-2-methylphenyl)azo-6-methoxy-3-methyl-benzothiazolium chloride
 CAS 136213-74-6
 Index 61 1-051 -00-9
 Class'n N: R50, 53
 Label N
 R50153
 S60,61
 411-110-7

• 2-((4-(ethyl-(2-hydroxyethyl)amino)-2-methylphenyl)azo-6-methoxy-3-methyl-benzothiazolium methylsulfate
 CAS 136213-73-5
 Index 61 1-089-00-6
 Class'n Xn: R48/22 R43 N: R50, 53
 Label Xn, N
 R43,48122,50153
 S(2),22,36137,60,61
 411-100-2

4-(N-ethyl-N-2-hydroxyethyl)-2-methylphenylenedi~ine sulphate
 (4-ammonio-m-tolyl)ethyl(2-hydroxyethyl)ammonium sulphate
 CAS 025646-77-9
 index 612-133-00-7
 Class'n T: R25 Xn: R48122 R43 N: R50,53
 Label T, N
 R25,43,48/22,50/53
 S(1/2),24,37,45,60,61
 247-162-0

O-ethylhydroxylamine

CAS 000624-86-2
 index 007-015-00-1
 Class'n F: R11 T: R23/24/25.48/23 Xi: R36 R43 N: R50
 Label F, T, N
 R11,23/24/25,36,43,48123,50
 S(1/2),16,26,36/37/39,38,45,60,61
 402-030-3

• 4,4'-ethylidenediphenyl dicyanate
 CAS 047073-92-7
 Index 615-025-00-8
 Class'n Xn: R20/22,48/22 Xi: R41 N: R50,53
 Label Xn, N
 R20/22,41,48/22,50/53
 S(2),26,36137/39,60,61
 405-740-1

• ethyl 2-(isocyanatosulfonyl)benzoate
 CAS 077375-79-2
 Index 615-028-00-4
 Class'n E: R2 R14 Xn: R22,48/22 Xi: R41 R42/43
 Label E, Xn
 R2,14,22,41,42/43,48/22
 S(2),8,23,26,30,35,36/37/39
 410-220-2

O-ethyl O-2-isopropoxycarbonylphenyl-isopropylphosphoramidothioate isofenphos (BO)

CAS 025311-71-1
 Index 015-129-00-8
 Class'n T: R24125
 Label T
 R24125
 S(112),36/37,45
 246-814-1

ethyl lactate Note C

CAS 000097-64-3
 Index 607-129-00-7 (see Part III)
 Class'n R10 Xi: R37,41
 Label Xi
 R10,37,41
 S(2),24,26,39
 202-598-0

ethyl L-lactate Note C

CAS 000687-47-8
 Index 607-129-00-7 (See Part III)
 Class'n R10 Xi: R37, 41
 Label Xi
 R10,37,41
 S(2),24,26,39
 211-694-1

ethyl mercaptan

ethanethiol
 CAS 000075-08-1
 Index 016-022-00-9
 Class'n F: R11 Xn: R20 N: R50, 53
 Label F, Xn, N
 R11,20,50153
 S(2),16,25,60,61
 200-837-3

ethyl methacrylate Noted

CAS 000097-63-2
 Index 607-071-00-2
 Class'n F: R11 Xi: R36137138 R43
 Label F, Xi
 R11,36/37138,43
 S(2),9,16,29,33
 202-597-5

4-(N-ethyl-N-2-methanesulphonylaminoethyl)-2-methylphenylenediamine sesquisulphate monohydrate
N-(2-(4-amino-N-ethyl-m-toluidino)ethyl)methanesulphonamide sesquisulphate

CAS 025646-71-3
Index 612-134-00-2
Class'n Xn: R22 R43 N: R50, 53
Label Xn, N
R22, 43, 50/53
S(2), 24, 37, 60, 61
247-161-5

• 3-ethyl 5-methyl 4-(2-chlorophenyl)-1,4-dihydro-2-[2-(1,3-dihydro-1,3-dioxo-(2H)isoindol-2-yl)-ethoxymethyl]-6-methyl-3,5-pyridinedicarboxylate

CAS 088150-62-3
Index 607-371-00-3
Class'n R53
Label R53
S61
413-410-3

ethyl methyl ether

CAS 000540-67-0
Index 603-020-00-3
Class'n F+: R12
Label F+
R12
S(2), 9, 16, 33

• 4-ethyl-2-methyl-2-isopentyl-1,3-oxazolidine

CAS 137796-06-6
Index 613-178-00-5
Class'n C: R34 R43
Label C
R34, 43
S(1/2), 7/8, 26, 36/37/39, 45
410-470-2
Conc Conc >= 10% C: R34, 43
Conc >= 5% and < 10% Xi: R36/37/38, 43
Conc >= 1% and < 5% R43

ethyl methyl ketone

butanone

CAS 000078-93-3
Index 606-002-00-3
Class'n F: R11 Xi: R36 R66 R67
Label F, Xi
R11, 36, 66, 67
S(2), 9, 16
201-159-0

ethyl methyl ketone oxime

2-butanone oxime
ethyl methyl ketoxime

CAS 000096-29-7
Index 616-014-00-0
Class'n Carc Cat 3: R40 Xn: R21 Xi: R41 R43
Label Xn
R21, 40, 41, 43
S(2), 13, 23, 26, 36/37/39
202-496-6

ethyl methyl ketoxime

2-butanone oxime
ethyl methyl ketone oxime
CAS 000096-29-7
Index 616-014-00-0
Class'n Carc Cat 3: R40 Xn: R21 Xi: R41 R43
Label Xn
R21, 40, 41, 43
S(2), 13, 23, 26, 36/37/39
202-496-6

• 1-ethyl-1-methylmorpholinium bromide

CAS 065756-41-4
Index 612-182-00-4
Class'n Muta Cat 3: R68
Label Xn
R68
S(2), 36/37
418-210-1

• 4-(2-((3-ethyl-4-methyl-2-oxo-pyrrolidin-1-yl)carboxamido)ethyl)benzenesulfonamide

CAS 119018-29-0
Index 616-080-00-0
Class'n R52, 53
Label R52/53
S61
411-850-0

N-(2-(6-ethyl-7-(4-methylphenoxy)-1a-pyrazolo[1,5-b][1,2,4]triazol-2-yl)propyl)-2-octadecyloxybide

CAS 142859-67-4
Index 616-042-00-3
Class'n R43 R53
Label Xi
R43, 53
S(2), 22, 24, 37, 61
407-070-5

N-ethyl-N-methylpiperidiniumiodide

CAS 004186-71-4
Index 613-146-00-0
Class'n Xn: R22 N: R51, 53
Label Xn, N
R22, 51/53
S(2), 22, 61
407-780-5

N-[3-(1-ethyl-1-methylpropyl)-1,2-oxazol-5-yl]-2,6-dimethoxybenzamide

CAS 082558-50-7
Index 616-043-00-9
Class'n R53
Label R53
S61
407-190-8

• 1-ethyl-1-methylpyrrolidinium bromide

CAS 069227-51-6
Index 612-183-00-X
Class'n Muta Cat 3: R68
Label Xn
R68
S(2), 36/37
418-200-5

● 2,2-ethylmethylthiazolidine

CAS 000694-64-4
 Index 613-170-00-1
 Class'n Xn: R22 Xi: R41 R43 N: R51, 53
 Label Xn, N
 R22, 41, 43, 51/53
 S(2), 24, 26, 37/39, 61
 404-500-3

ethyl-4-methylthio-m-tolyl isopropyl phosphoramidate
fenamiphos (ISO)

CAS 022224-92-6
 Index 015-123-00-5
 Class'n T+: R28 T: R24
 Label T+
 R24, 28
 S(1/2), 23, 28, 36/37, 45
 244-848-1

ethyl nitrate

CAS 000625-58-1
 Index 007-007-00-8
 Class'n E: R2
 Label E
 R2
 S(2), 23, 24/25
 210-903-3

ethyl nitrite

CAS 000109-95-5
 Index 007-006-00-2
 Class'n E: R2 Xn: R20/21/22
 Label E, Xn
 R2, 20/21/22
 S(2)
 203-722-6

ethyl 2-(3-nitrobenzylidene)acetoacetate

CAS 039562-16-8
 Index 607-260-00-X
 Class'n Xi: R41 R43 R52, 53
 Label Xi
 R41, 43, 52/53
 S(2), 24, 26, 37/39, 61
 404-490-0

O-ethyl O-4-nitrophenyl phenylphosphonothioate

EPN
 CAS 002104-64-5
 Index 015-036-00-2
 Class'n Tt: R27/28 N: R50, 53
 Label T+, N
 R27/28, 50/53
 S(1/2), 22, 36/37, 45, 60, 61
 218-276-8

(ethyl-3-oxobutanoato-O'1,O'3)(2-dimethylaminoethanolato)(1-methoxypropan-2-olato)aluminium(III), dimerised

Index 013-006-00-3
 Class'n R10 Xi: R41
 Label Xi
 R10, 41
 S(2), 26, 39
 402-370-2

E-ethyl-4-oxo-4-phenylcrotonate

CAS 015121-89-8
 Index 607-283-00-5
 Class'n Xn: R21/22 Xi: R38, 41 R43 N: R50, 53
 Label Xn, N
 R21/22, 38, 41, 43, 50/53
 S(2), 26, 36/37/39, 60, 61
 408-040-4

ethyl 5-(perchloro-5-hydroxypentacyclo[5,3,0,0.2.6,0.3,9,0.4.8]-decan-5-yl)-4-oxopentanoate
kelevan (ISO)

ethyl 5-(1,2,3,5,6,7,8,9,10,10-decachloro-4-hydroxypentacyclo[5,2,1,0.2.6,0.3.9,0.5.8]dec-4-yl)-4-oxovalerate.
 CAS 004234-79-1
 Index 607-079-00-6
 Class'n T: R24 Xn: R22 N: R51, 53
 Label T, N
 R22, 24, 51/53
 S(1/2), 36/37, 45, 61

S-ethyl 1-perhydroazepinecarbothioate
molinate (ISO)

CAS 002212-67-1
 Index 613-051-00-4
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24
 218-661-0

ethyl [2-(4-phenoxyphenoxy)ethyl]carbamate
fenoxycarb

CAS 072490-01-8
 Index 006-086-00-6
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 276-696-7

- mixture of
 3-(3-ethylphenyl)-2,2-dimethylpropanenitrile
 and
 3-(4-ethylphenyl)-2,2-dimethylpropanenitrile
 and

3-(2-ethylphenyl)-2,2-dimethylpropanenitrile
 Index 608-027-00-5 (see Part III)
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 412-660-0

- mixture of
 3-(2-ethylphenyl)-2,2-dimethylpropanenitrile
 and
 3-(4-ethylphenyl)-2,2-dimethylpropanenitrile
 and
 3-(3-ethylphenyl)-2,2-dimethylpropanenitrile

Index 608-027-00-5 (see Part III)
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 412-660-0

• mixture of

3-(4-ethylphenyl)-2,2-dimethylpropanenitrile
and
3-(2-ethylphenyl)-2,2-dimethylpropanenitrile
and
3-(3-ethylphenyl)-2,2-dimethylpropanenitrile

Index 608-027-00-5 (see Part 111)
Class'n N: R51, 53
Label N
R51/53
S61
412-660-0

O-ethyl phenyl ethylphosphonodithioate
fonofos(ISO)

CAS 000944-22-9
Index 015-091-00-2
Class'n T+: R27/28 N: R50, 53
Label T+,N
R27/28, 50/53
S(1/2), 28, 36/37, 45, 60, 61
213-408-0

ethyl propionate

CAS 000105-37-3
Index 607-028-00-8
Class'n F: R11
Label F
R11
S(2), 16, 23, 24, 29, 33
203-291-4

■ N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine

pendimethalin (ISO)
CAS 040487-42-1
Index 609-042-00-X
Class'n R43 R50, 53
Label Xi,N
R43, 50/53
S(2), 24, 29, 37, 60, 61
254-938-2

• ethyl (RS)-2-chloro-3-[2-chloro-4-fluoro-5-[4-
difluoromethyl-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-
triazol-1-yl]phenyl]propionate
carfentrazone-ethyl (ISO)

CAS 128639-02-1
Index 607-309-00-5
Class'n N: R50, 53
Label N
R50/53
S60, 61

• ethyl (RS)-3-(3,5-dichlorophenyl)-5-methyl-2,4-dioxo-
oxazolidine-5-carboxylate
chlozolinatate (ISO)

CAS 084332-86-5
Index 607-306-00-9
Class'n Carc Cat3: R40 N: R51, 53
Label Xn,N
R40, 51/53
S(2), 36/37, 61
282-714-4

ethyl (S)-2-hydroxypropionate Note C

CAS 000687-47-8
Index 607-129-00-7 (see Part 111)
Class'n R10 Xi: R37, 41
Label Xi
R10, 37, 41
S(2), 24, 26, 39
211-694-1

ethyl silicate

tetraethyl silicate
CAS 000078-10-4
Index 014-005-00-0
Class'n R10 Xn: R20 Xi: R36/37
Label Xn
R10, 20, 36/37
S(2)
201-083-8

ethyl-(2)-lactate Note C

CAS 000687-47-8
Index 607-129-00-7 (see Part 111)
Class'n R10 Xi: R37, 41
Label Xi
R10, 37, 41
S(2), 24, 26, 39
211-694-1

S-[2-(ethylsulphinyl)ethyl]O,O-dimethyl
phosphorodithioate

CAS 002703-37-9
Index 015-065-00-0
Class'n T+: R26/27/28
Label T+
R26/27/28
S(1/2), 13, 28, 45

S-2-(ethylsulphinyl)ethyl OO-dimethyl phosphorothioate
oxydemeton-methyl

CAS 000301-12-2
Index 015-046-00-7
Class'n T: R24/25 N: R50
Label T,N
R24/25, 50
S(1/2), 23, 36/37, 45, 61
206-110-7

S-ethylsulphinylmethylO,O-diisopropylphosphorodithioate
IPSP

CAS 005827-05-4
Index 015-128-00-2
Class'n T+: R27 T: R25
Label T+
R25, 27
S(1/2), 28, 36/37, 45

S-2-ethylsulphonylethyl dimethyl phosphorothioate
demeton-S-methylsulphon

CAS 017040-19-6
Index 015-078-00-1
Class'n T: R25 Xn: R21
Label T
R21, 25
S(1/2), 22, 28, 36/37, 45
241-109-5

l-(5-ethylsulphonyl-1,3,4-thiadiazol-2-yl)4,3-dimethylurea ethidimuron

CAS 030043-49-3
 Index 616-030-00-8
 Class'n R43 N: R50, 53
 Label Xi, N
 R43, 50/53
 S(2), 24, 37, 60, 61
 250-010-6

S-2-ethylthioethyl O,O-dimethyl phosphorodithioate thiometon (ISO)

CAS 000640-15-3
 Index 015-050-00-9
 Class'n T: R25 Xn: R21
 Label T
 R21, 25
 S(1/2), 36/37, 45
 211-362-6

O-2-ethylthioethyl O,O-dimethyl phosphorothioate demeton-O-methyl (ISO)

CAS 000867-27-6
 Index 015-030-00-X
 Class'n T: R25
 Label T
 R25
 S(1/2), 24, 36/37, 45
 212-758-1

S-2-ethylthioethyl dimethyl phosphorothioate demeton-S-methyl (ISO)

CAS 000919-86-8
 Index 015-031-00-5
 Class'n T: R24/25 N: R51, 53
 Label T, N
 R24/25, 51/53
 S(1/2), 28, 36/37, 45, 61
 213-052-6

2-(ethylthiomethyl)phenyl N-methylcarbamate ethiofencarb (ISO)

CAS 029973-13-5
 Index 006-048-00-9
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 249-981-9

ethyl trans-3-dimethylamiacrylate

CAS 000924-99-2
 Index 607-185-00-2
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 402-650-4

ethyl trans-2,2,6-trimethylcyclohexanecarboxylate

Index 607-356-00-1
 Class'n Xi: R38 N: R51, 53
 Label Xi, N
 R38, 51/53
 S(2), 37, 61
 412-540-8

O-ethyl O-2,4,5-trichlorophenyl ethylphosphonothioate trichloronate (ISO)

CAS 000327-98-0
 Index 015-098-00-0
 Class'n T+: R28 T: R24 N: R50, 53
 Label T+, N
 R24, 28, 50/53
 S(1/2), 23, 28, 36/37, 45, 60, 61
 206-326-1

ethyne

acetylene
 CAS 000074-86-2
 Index 601-015-00-0
 Class'n R5 R6 F+: R12
 Label F+
 R5, 6, 12
 S(2), 9, 16, 33
 200-81 6-9

etridiazole

5-ethoxy-3-trichloromethyl-1,2,4-thiadiazole
 CAS 002593-15-9
 Index 613-133-00-X
 Class'n Carc Cat 3: R40 T: R23 Xn: R21/22 N: R50, 53
 Label T, N
 R21/22, 23, 40, 50/53
 S(1/2), 36/37, 38, 45, 60, 61
 219-991-8

etrimfos

O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate
 CAS 038260-54-7
 Index 015-122-00-X
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 253-855-9

fast garnet GBC base

4-o-tolylazo-o-toluidine
 4-amino-2',3-dimethylazobenzene
 AAT
 o-aminoazotoluene
 CAS 000097-56-3
 Index 61 1-006-00-3
 Class'n Carc Cat 2: R45 R43
 Label T
 R45, 43
 S53, 45
 202-591 -2

fatty acids, tall oil, reaction products with imminodiethanol and boric acid

index 649-007-00-6
 Class'n Xi:R38 N:R51,53
 Label Xi, N
 R38, 51/53
 S(2), 28, 37, 61
 400-160-5

n fenaminosulf (ISO)

sodium 4-dimethylaminobenzenediazosulphonate
 CAS 000140-56-7
 index 611-003-00-7
 Class'n T: R25 Xn: R21 R52, 53
 Label T
 R21, 25, 52/53
 5(1/2), 36/37, 45, 61
 205-419-4

fenamiphos (ISO)

ethyl-4-methylthio-m-tolyl isopropyl phosphoramidate
 CAS 022224-92-6
 Index 015-123-00-5
 Class'n T+: R28 T: R24
 Label T+
 R24, 28
 S(1/2), 23, 28, 36/37, 45
 244-848-1

l fenarimol (ISO)

2,4'-dichloro-a-(pyrimidin-5-yl)benzhydryl alcohol
 CAS 060168-88-9
 index 603-104-00-X
 Class'n ReprCat3:R62, 63 R64 N:R51, 53
 Label Xn, N
 R51/53, 62, 63, 64
 S(2), 36/37, 61
 262-095-7

fenazafloz (ISO)

phenyl 5,6-dichloro-2-trifluoromethylbenzimidazole-1-carboxylate
 CAS 014255-88-0
 Index 613-015-00-8
 Class'n Xn:R21/22 N: R50, 53
 Label Xn, N
 R21/22, 50/53
 S(2), 36/37, 60, 61
 238-134-9

fenbutatin oxide (ISO)

bis(tris(2-methyl-2-phenylpropyl)tin)oxide
 CAS 013356-08-6
 Index 050-017-00-2
 Class'n T+:R26 Xi:R36/38 N: R50, 53
 Label T+, N
 R26, 36/38, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 236-407-7

fenchlorphos (ISO)

O,O-dimethyl O-2,4,5-trichlorophenyl phosphorothioate
 CAS 000299-84-3
 Index 015-052-00-X
 Class'n Xn:R21/22
 Label Xn
 R21/22
 S(2), 25, 36/37
 206-082-6

fenitrothion (ISO)

O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate
 CAS 000122-14-5
 Index 015-054-00-0
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 204-524-2

fenobucarb

2-butylphenyl methylcarbamate
 CAS 003766-81-2
 Index 006-085-00-0
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 223-188-8

fenoprop

2-(2,4,5-trichlorophenoxy)propionic acid
 CAS 000093-72-1
 index 607-047-00-1
 Class'n Xn:R22 Xi: R38 N: R50, 53
 Label Xn, N
 R22, 38, 50/53
 S(2), 37, 60, 61
 202-271-2

fenoprop, salts of Note A

2-(2,4,5-trichlorophenoxy)propionic acid, salts of
 index 607-048-00-7
 Class'n Xn:R20/21/22 N: R50, 53
 Label Xn, N
 R20/21/22, 50/53
 S(2), 13, 60, 61

fenoxaprop-ethyl

ethyl 2-[4-[(6-chlorobenzoxazol-2-yl)oxy]phenoxy]propionate
 CAS 066441-23-4
 index 604-039-00-X
 Class'n R43 N: R50, 53
 Label Xi, N
 R43, 50/53
 S(2), 24, 37, 60, 61
 266-362-9

fenoxycarb

ethyl[2-(4-phenoxyphenoxy)ethyl]carbamate
 CAS 072490-01-8
 Index 006-086-00-6
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 276-696-7

fenpropathrin

a-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate
 CAS 039515-41-8
 Index 607-239-00-5
 Class'n T+: R26 T: R25 Xn: R21 N: R50, 53
 Label Tt, N
 R21, 25, 26, 50/53
 S(1/2), 28, 36/37, 38, 45, 60, 61
 254-485-0

fenpropimorph

cis-4-[3-(p-tert-butylphenyl)-2-methylpropyl]-2,6-dimethylmorpholine
 CAS 067546-91-4
 Index 613-124-00-0
 Class'n Xn: R20 Xi: R38 N: R51, 53
 Label Xn, N
 R20, 38, 51/53
 S(2), 36/37/39, 61
 266-719-9

fenson

4-chlorophenyl benzenesulphonate
 CAS 000080-38-6
 Index 650-003-00-1
 Class'n Xn: R22 Xi: R36 N: R51, 53
 Label Xn, N
 R22, 36, 51/53
 S(2), 24, 26, 61
 201-274-6

fensulfothion (ISO)

O,O-diethyl O-4-methylsulfinylphenyl phosphorothioate
 CAS 000115-90-2
 Index 015-090-00-7
 Class'n T+: R27/28 N: R50, 53
 Label T+, N
 R27/28, 50/53
 S(1/2), 23, 28, 36/37, 45, 60, 61
 204-114-3

fenthion (ISO)

O,O-dimethyl-O-(4-methylthion-m-tolyl)phosphorothioate
 CAS 000055-38-9
 Index 015-048-00-8
 Class'n Muta Cat 3: R68 T: R23, 48/25 Xn: R21/22 N: R50, 53
 Label T, N
 R21/22, 23, 48/25, 50/53, 68
 S(1/2), 36/37, 45, 60, 61
 200-231-9

fentin acetate (ISO)

triphenyltin acetate
 CAS 000900-95-8
 Index 050-003-00-6
 Class'n Carc Cat 3: R40 ReprCat 3: R63 T+: R26 T: R24/25, 48/23 Xi: R37/38, 41 N: R50, 53
 Label Tt, N
 R24/25, 26, 37/38, 40, 41 48/23, 50/53, 63
 S(1/2), 26, 28, 36/37/39, 45, 60, 61
 212-984-0

fentinhydroxide (ISO)

triphenyltin hydroxide
 CAS 000076-87-9
 Index 050-004-00-1
 Class'n Carc Cat 3: R40 ReprCat 3: R63 T+: R26 T: R24/25, 48/23 Xi: R37/38, 41 N: R50, 53
 Label T+, N
 R24/25, 26, 37/38, 40, 41, 48/23, 50/53, 63
 S(1/2), 26, 28, 36/37/39, 45, 60, 61
 200-990-6

fenuron-TCA

1,1-dimethyl-3-phenyluronirionium trichloroacetate
 CAS 004482-55-7
 Index 006-050-00-X
 Class'n Xi: R38 N: R50, 53
 Label Xi, N
 R38, 50/53
 S(2), 60, 61

ferbam (ISO)

iron tris(dimethyldithiocarbamate)
 CAS 014484-64-1
 Index 006-051-00-5
 Class'n Xi: R36/37/38 N: R50, 53
 Label Xi, N
 R36/37/38, 50/53
 S(2), 60, 61
 238-484-2

Ficin

CAS 009001-33-6
 Index 647-006-00-5
 Class'n Xi: R36/37/38 R42
 Label Xn
 R36/37/38, 42
 S(2), 22, 24, 26, 36/37
 232-599-1

● **flazasulfuron**

1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifluoromethyl-2-pyridylsulfonyl)urea
 CAS 104040-78-0
 Index 016-085-00-2
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61

- fluazifop-butyl (ISO)

butyl(RS)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]
propionate
CAS 069806-50-4
Index 607-304-00-8
Class'n Repr Cat 2: R61 N: R50, 53
Label T, N
R61, 50/53
S53, 45, 60, 61
274-125-6

- fluazifop-P-butyl (ISO)

butyl(R)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]
propionate
CAS 079241-46-6
Index 607-305-00-3
Class'n Repr Cat 3: R63 N: R50, 53
Label Xn, N
R50/53, 63
S(2), 29, 36/37, 46, 60, 61

flubenzimine

N-[3-phenyl-4,5-bis((trifluoromethyl)imino)thiazoladin-2-ylidene]
aniline
CAS 037893-02-0
Index 61 3-1 18-00-8
Class'n Xi: R36 N: R50, 53
Label Xi, N
R36, 50/53
S(2), 26, 60, 61
253-703-1

fluenetil (ISO)

2-fluoroethyl biphenyl-4-ylacetate
CAS 004301-50-2
Index 607-078-00-0
Class'n T+: R27/28
Label T+
R27/28
S(1/2), 28, 36/37, 45

- flufenacet (ISO)

N-(4-fluorophenyl)-N-isopropyl-2-(5-trifluoromethyl-[1,3,4]
thiadiazol-2-yloxy)acetamide
CAS 142459-58-3
Index 613-164-00-9
Class'n Xn: R22, 48/22 R43 N: R50, 53
Label Xn, N
R22, 43, 48/22, 50/53
S(2), 13, 24, 37, 60, 61

flumetralin (ISO)

N-(2-chloro-6-fluorobenzyl)-N-ethyl-a,a,a-trifluoro-2,6-dinitro-
p-toluidine
CAS 062924-70-3
Index 61 2-144-00-7
Class'n Xi: R36/38 R43 N: R50, 53
Label Xi, N
R36/38, 43, 50/53
S(2), 36/37, 60, 61

- flumioxazin (ISO)

N-(7-fluoro-3,4-dihydro-3-oxo-4-prop2-ynyl-2H1,4-benzoxazin-
6-yl)cyclohex-1-ene-1,2-dicarboxamide
CAS 103361-09-7
Index 61 3-166-00-X
Class'n Repr Cat 2: R61 N: 50, 53
Label T, N
R61, 50/53
S53, 45, 60, 61

fluorine

CAS 007782-41-4
Index 009-001-00-0
Class'n R7 T+: R26 C: R35
Label T+, C
R7, 26, 35
S(1/2), 9, 26, 36/37/39, 45
231-954-8

2-fluoroacetamide

CAS 000640-19-7
Index 61 6-002-00-5
Class'n T+: R28 T: R24
Label T+
R24, 28
S(1/2), 36/37, 45
211-363-1

fluoroacetates, soluble Note A

Index 607-082-00-2
Class'n T+: R28 N: R50
Label T+, N
R28, 50
S(1/2), 20, 22, 26, 45, 61

fluoroacetic acid

CAS 000144-49-0
Index 607-081-00-7
Class'n T+: R28 N: R50
Label T+, N
R28, 50
S(1/2), 20, 22, 26, 45 61
205-631-7

fluoroboric acid ... % Note B

CAS 01 6872-1 1-0
Index 009-010-00-X
Class'n C: R34
Label C
R34
S(1/2), 26, 27, 45
240-898-3
Conc Conc >= 25% C: R34
Conc >= 10% and < 25% Xi: R36/38

N-(fluorodichloromethylthio)phthalimide

N-(dichlorofluoromethylthio)phthalimide
CAS 000719-96-0
Index 61 6-012-00-X
Class'n Xi: R38
Label Xi
R38
S(2), 28
211-952-3

• N-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzoxazin-6-yl)cyclohex-1-ene-1,2-dicarboxamide flumioxazin (ISO)

CAS 103361-09-7
 Index 613-166-00-X
 Class'n Repr Cat 2: R61 N: 50,53
 Label T, N
 R61,50/53
 S53,45,60,61

• 4'-fluoro-2,2-dimethoxyacetophenone

CAS 021983-80-2
 Index 606-058-00-9
 Class'n R43 R52, 53
 Label Xi
 R43,52/53
 S(2)24,37,61
 407-500-1

2-fluoroethyl biphenyl-Cylacetate

fluenetil(OSO)
 CAS 004301-50-2
 Index 607-078-00-0
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 28,36/37,45

• 6-fluoro-2-methyl-3-(4-methylthiobenzyl) indene

Index 016-074-00-2
 Class'n Xi: R38,41 R43 N: R51, 53
 Label Xi, N
 R38,41,43,51/53
 S(2),26,36/37/39,61
 405-410-7

• N-(4-fluorophenyl)-N-isopropyl-2-(5-trifluoromethyl-[1,3,4]thiadiazol-2-yl)oxyacetamide

flufenacet(ISO)
 CAS 142459-58-3
 Index 613-164-00-9
 Class'n Xn: R22, 48/22 R43 N: R50, 53
 Label Xn, N
 R22,43,48/22,50/53
 S(2),13,24,3760,61

fluorosilicates, alkali {K} Note A

fluorosilicates, alkali {Na}
 fluorosilicates, alkali {NH₄}
 CAS 016871-90-2
 Index 009-012-00-0
 Class'n T: R23/24/25
 Label T
 R23/24/25
 S(1/2),26,45
 240-896-2
 Conc Conc >= 10% T: R23/24/25
 Conc >= 1% and < 10% Xn: R20/21/22

fluorosilicates, alkali {Na} Note A

fluorosilicates, alkali {K}
 fluorosilicates, alkali {NH₄}
 CAS 016893-85-9
 Index 009-012-00-0
 Class'n T: R23/24/25
 Label T
 R23/24/25
 S(1/2),26,45
 240-934-8
 Conc Conc >= 10% T: R23/24/25
 Conc >= 1% and < 10% Xn: R20/21/22

fluorosilicates, alkali {NH₄} Note A

fluorosilicates, alkali {Na}
 fluorosilicates, alkali {K}
 CAS 016919-19-0
 Index 009-012-00-0
 Class'n T: R23/24/25
 Label T
 R23/24/25
 S(1/2), 26, 45
 240-968-3
 Conc Conc >= 10% T: R23/24/25
 Conc >= 1% and < 10% Xn: R20/21/22

fluorosilicates, with the exception of those specified elsewhere in the Approved Supply List Note A

Index 009-013-00-6
 Class'n Xn: R22
 Label Xn
 R22
 S(2),13,24/25
 Conc Conc >= 10% Xn: R22

fluorosilicic acid ... % Note 8

CAS 016961-83-4
 Index 009-011-00-5
 Class'n C: R34
 Label C
 R34
 S(1/2),26,27,45
 241-034-8
 Conc Conc >= 10% C: R34
 Conc >= 5% and < 10% Xi: R36/38

fluorosulphonic acid

CAS 007789-21-1
 Index 016-018-00-7
 Class'n Xn: R20 C: R35
 Label C
 R20,35
 S(1/2),26,45
 232-149-4

2-fluoro-5-trifluoromethylpyridine

CAS 069045-82-5
 Index 613-071-00-3
 Class'n R10 R43 R52, 53
 Label Xi
 R10,43,52/53
 S(2),24,37,61
 400-290-2

fluorotrihexylstannane

CAS 020153-50-8
 Index 050-010-00-4
 Class'n Xn: R20/21/22 N: R50, 53
 Label Xn,N
 R20/21/22, 50/53
 S(2), 26, 28, 60, 61
 243-547-2
 Conc Note 1
 Conc >= 1% Xn: R20/21/22

**fluorotripentylstannane
hexapentylidistannoxe**

CAS 020153-49-5
 Index 050-009-00-9
 Class'n Xn: R20/21/22 N: R50, 53
 Label Xn,N
 R20/21/22, 50/53
 S(2), 26, 28, 60, 61
 243-546-7
 Conc Note 1
 Conc >= 1% Xn: R20/21/22

● **flupyrsulfuron-methyl-sodium (ISO)**

methyl 2-[[[4,6-dimethoxypyrimidin-2-ylcarbamoyl)sulfamoyl]-6-trifluoromethyl]nicotinate, monosodium salt
 CAS 144740-54-5
 Index 613-165-00-4
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61

flurazole

benzyl 2-chloro-4-(trifluoromethyl)thiazole-5-carboxylate
 CAS 072850-64-7
 Index 607-237-00-4
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 276-942-3

flurenol

9-hydroxy-9H-fluorene-9-carboxylic acid
 CAS 000467-69-6
 Index 607-234-00-8
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 207-397-1

fluroxypyr (ISO)

4-amin-3,5-dichloro-6-fluoro-2-pyridyloxyacetic acid
 CAS 069377-81-7
 Index 607-255-00-2
 Class'n R52, 53
 Label R52/53
 S61

fluroxypyr-butometyl (ISO)

fluroxypyr-meptyl (ISO)
 methylheptyl, O-(4-amino-3,5-dichloro-6-fluoro-2-pyridyloxy) acetate
 2-butoxy-1-methylethyl, O-(4-amino-3,5-dichloro-6-fluoro-2-pyridyloxy) acetate
 CAS 154486-27-8
 Index 607-272-00-5
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61

fluroxypyr-meptyl (ISO)

fluroxypyr-butometyl(ISO)
 methylheptyl, O-(4-amino-3,5-dichloro-6-fluoro-2-pyridyloxy) acetate
 2-butoxy-1-methylethyl, O-(4-amino-3,5-dichloro-6-fluoro-2-pyridyloxy) acetate
 CAS 081406-37-3
 Index 607-272-00-5
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 279-752-9

● **flurtamone (ISO)**

(RS)-5-methylamino-2-phenyl-4-(a,a,a-trifluoro-m-tolyl)furan-3(2H)-one
 CAS 096525-23-4
 Index 606-053-00-1
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61

● **flusilazole (ISO) Note E**

bis(4-fluorophenyl)(methyl)(1H-1,2,4-triazol-1-ylmethyl)silane
 CAS 085509-19-9
 Index 014-017-00-6
 Class'n Carc Cat 3: R40 Repr Cat 2: R61 Xn: R22 N:
 R51, 53
 Label T, N
 R61, 22, 40, 51/53
 S53, 45, 61

■ **folpet (ISO)**

N-(trichloromethylthio)phthalimide
 CAS 000133-07-3
 Index 613-045-00-1
 Class'n Carc Cat 3: R40 Xn: R20 Xi: R36 R43 N: R50
 Label Xn,N
 R20, 36, 40, 43, 50
 S(2), 36/37, 46, 61
 205-088-6

fomesafen

5-[2-chloro-4-(trifluoromethyl)phenoxy]-N-(methylsulphonyl)-2-nitrobenzamide
 CAS 072178-02-0
 Index 604-040-00-5
 Class'n Xn: R22
 label Xn
 R22
 S(2)
 276-439-9

fonofos (ISO)

O-ethylphenylethylphosphonodithioate
 CAS 000944-22-9
 Index 015-091-00-2
 Class'n T+: R27/28 N: R50, 53
 Label T+, N
 R27/28, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 213-408-0

formaldehyde... % Notes B and D

CAS 000050-00-0
 Index 605-001-00-5
 Class'n Carc Cat 3: R40 T: R23/24/25 C: R34 R43
 Label T
 R23/24/25, 34, 40, 43
 S(1/2), 26, 36/37/39, 45, 51
 200-001-8
 Conc Conc >= 25% T: R23/24/25, 34, 40, 43
 Conc >= 5% and < 25% Xn: R20/21/22, 36/37/38,
 40, 43
 Conc >= 1% and < 5% Xn: R40, 43
 Conc >= 0.2% and < 1% Xi: R43

formaldehyde, reaction products with butylphenol

CAS 091673-30-2
 Index 605-021-00-4
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 294-145-9

● **formamide**

CAS 000075-12-7
 Index 616-052-00-8
 Class'n Repr Cat 2: R61
 Label T
 R61
 S53, 45
 200-842-0

formetanate

3-(N,N-dimethylaminomethyleneamino)phenyl N-
 methylcarbamate
 CAS 022259-30-9
 Index 006-031-00-6
 Class'n T+: R26/28 R43 N: R50, 53
 Label T+, N
 R26/28, 43, 50/53
 S(1/2), 24, 28, 37/39, 45, 60, 61
 244-879-0

formetanate hydrochloride

3-(N,N-dimethylaminomethyleneamino)phenyl N-
 methylcarbamate
 CAS 023422-53-9
 Index 006-052-00-0
 Class'n T+: R26/28 R43 N: R50, 53
 Label T+, N
 R26/28, 43, 50/53
 S(1/2), 24, 28, 37/39, 45, 60, 61
 245-656-0

formic acid ... % Note B

CAS 000064-18-6
 Index 607-001-00-0
 Class'n C: R35
 Label C
 R35
 S(1/2), 23, 26, 45
 200-579-1
 Conc Conc >= 90% C: R35
 Conc >= 10% and < 90% C: R34
 Conc >= 2% and < 10% Xi: R36/38

formothion (ISO)

N-formyl-N-methylcarbamoylmethyl O,O-dimethyl
 phosphorodithioate
 CAS 002540-82-1
 Index 015-057-00-7
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2), 36/37
 219-818-6

**N-formyl-N-methylcarbamoylmethyl O,O-dimethyl
 phosphorodithioate**

formothion (ISO)
 CAS 002540-82-1
 Index 015-057-00-7
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2), 36/37
 219-818-6

● **fosthiazate (ISO)**

(RS)-S-sec-butyl-O-ethyl-2-oxo-1,3-thiazolidin-3-
 ylphosphonothioate
 CAS 098886-44-3
 Index 015-168-00-0
 Class'n T: R23/25, 39 Xn: R21 Xi: R41 R43 N: R50,
 53
 Label T, N
 R21, 23/25, 39, 41, 43, 50/53
 S(1/2), 53, 45, 25, 26, 39, 60, 61

fosthietan

diethyl 1,3-dithietan-2-ylidenephosphoramidate
 CAS 021548-32-3
 Index 015-124-00-0
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 36/37, 45
 244-437-7

fuberidazole

2-(2-furyl)benzimidazole
 CAS 003878-19-1
 Index 613-016-00-3
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 22, 60, 61
 223-404-0

fulminate of mercurymercury dihlminate
mercuric fulminate

CAS 000628-86-4
 Index 080-005-00-2
 Class'n E: R3 T: R23/24/25 R33 N: R50,53
 Label E, T, N
 R3,23/24/25,33,50/53
 S(1/2),3,35,45,60,61
 211-057-8

fumaric acid

CAS 0001 10-17-8
 Index 607-146-00-X
 Class'n Xi: R36
 Label Xi
 R36
 S(21,26
 203-743-0

fumarincoumafuryl (ISO)
(RS)-3-(1-(2-furyl)-3-oxobutyl-4-hydroxycoumarin
4-hydroxy-3-[3-oxo-1-(2-furyl)butyl]coumarin

CAS 0001 17-52-2
 Index 607-058-00-1
 Class'n T: R25, 48/25 R52, 53
 Label T
 R25,48/25,52/53
 S(1/2),37,45,61
 204-195-5

furalaxyl

methyl N-(2,6-dimethylphenyl)-N-(2-furylcarbonyl)-DL-alaninate

CAS 057646-30-7
 Index 612-138-00-4
 Class'n Xn: R22 R52, 53
 Label Xn
 R22,52/53
 S(2),36/37/39,61
 260-875-1

2-furaldehyde

CAS 000098-01-1
 Index 605-010-00-4
 Class'n Carc Cat3: R40 T R23/25 Xn: R21 Xi: R36/37
 Label T
 R21,23/25,36/37,40
 S(1/2),26,36/37/39,45
 202-627-7
 Conc Conc >= 25% T R21,23/25,36/37,40
 Conc >= 20% and < 25% T: R23/25,36/37,40
 Conc >= 5% and < 20% T R23/25,40
 Conc >= 1% and < 5% Xn: R20/22,40

• **furan** NoteE

CAS 0001 10-00-9
 Index 603-105-00-5
 Class'n F+: R12 R19 Carc Cat 2: R45 Muta Cat 3:
 R68 Xn: R20/22,48/22 Xi: R38 R52,53
 Label F+, T
 R45,12,19,20/22,38,48/22,52/53
 S53,45,61
 203-727-3

furathiocarb2,3-dihydro-2,2-dimethyl-7-benzofuryl-2,4-dimethyl-6-oxa-5--oxo-
3-thia-2,ediazadecanoate

CAS 065907-30-4
 Index 006-087-00-1
 Class'n T+: R26 T: R25 Xn: R48/22 Xi: R36138
 R43 N:R50,53
 Label T+, N
 R25,26,36/38,43,48/22,50/53
 S(1/2),28,36/37,38,45,60,61
 265-974-3

furfuryl alcohol

CAS 000098-00-0
 Index 603-018-00-2
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2)
 202-626-1
 Conc Conc >= 5% Xn: R20/21/22

furmecyclox

N-cyclohexyl-N-methoxy-2,5-dimethyl-3-fude

CAS 060568-05-0
 Index 006-070-00-9
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R40,50/53
 S(2),36/37,60,61
 262-302-0

2-(2-furyl) benzimidole

fuiberidazole

CAS 003878-19-1
 Index 613-016-00-3
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2),22,60,61
 223-404-0

glucochloralosechloralose (INN)
(R)1,2-0-(2,2,2-trichloroethylidene) α-D-glucofuranose
anhydmglucochloral

CAS 01 5879-93-3
 Index 605-013-00-0
 Class'n Xn: R20/22
 Label Xn
 R20/22
 S(2), 16, 24/25, 28
 240-016-7

b- glucosidase

CAS 009001-22-3
 Index 647-001-00-8
 Class'n R42
 Label Xn
 R42
 S(2), 22,24,36/37
 232-589-7

glufosinate ammonium

ammonium 2-amino-4-(hydroxymethylphosphinyl)butyrate
 CAS 077182-82-2
 Index 015-155-00-X
 Class'n Xn:R22
 Label Xn
 R22
 S(2)
 278-636-5

glutamic acid, reaction products with N-(C12-14alkyl) propylene diamine

Index 607-216-00-X
 Class'n T+:R26 Xn:R22 C:R34 N:R50,53
 Label T+,N
 R22, 26, 34, 50/53
 S(1/2), 26, 36/37/39, 38, 45, 60, 61
 403-950-8

glutaral

glutaraldehyde
 1,5-pentanedial
 CAS 000111-30-8
 Index 605-022-00-X
 Class'n T:R23/25 C:R34 R42/43 N:R50
 Label T,N
 R23/25, 34, 42/43, 50
 S(1/2), 26, 36/37/39, 45, 61
 203-856-5
 Conc Conc >= 50% T:R23/25, 34, 42/43
 Conc >= 25% and < 50% T:R22, 23, 34, 42/43
 Conc >= 10% and < 25% C:R20/22, 34, 42/43
 Conc >= 2% and < 10% Xn:R20/22, 37/38, 41, 42/43
 Conc >= 1% and < 2% Xn:R36/37/38, 42/43
 Conc >= 0.5% and < 1% Xi:R36/37/38, 43

glutaraldehyde

glutaral
 1,5-pentanedial
 CAS 000111-30-8
 Index 605-022-00-X
 Class'n T:R23/25 C:R34 R42/43 N:R50
 Label T,N
 R23/25, 34, 42/43, 50
 S(1/2), 26, 36/37/39, 45, 61
 203-856-5
 Conc Conc >= 50% T:R23/25, 34, 42/43
 Conc >= 25% and < 50% T:R22, 23, 34, 42/43
 Conc >= 10% and < 25% C:R20/22, 34, 42/43
 Conc >= 2% and < 10% Xn:R20/22, 37/38, 41, 42/43
 Conc >= 1% and < 2% Xn:R36/37/38, 42/43
 Conc >= 0.5% and < 1% Xi:R36/37/38, 43

glycerol trinitrate

nitroglycerine
 CAS 000055-63-0
 Index 603-034-00-X
 Class'n E:R3 T+:R26/27/28 R33 N:R51,53
 Label E,T+,N
 R3, 26/27/28, 33, 51/53
 S(1/2), 33, 35, 36/37, 45, 61
 200-240-8

glycidol NoteE

2,3-epoxypropan-1-ol
 CAS 000556-52-5
 Index 603-063-00-8
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Repr Cat 2: R60 T:R23 Xn:R21/22 Xi:R36/37/38
 Label T
 R45, 60, 21/22, 23, 36/37/38
 S53, 45
 209-128-3

glycidyl acrylate NoteD

2,3-epoxypropyl acrylate
 CAS 000106-90-1
 Index 607-117-00-1
 Class'n T:R23/24/25 C:R34 R43
 Label T
 R23/24/25, 34, 43
 S(1/2), 26, 36/37/39, 45
 203-440-3
 Conc Conc >= 10% T:R23/24/25, 34, 43
 Conc >= 5% and < 10% T:R23/24/25, 36/38, 43
 Conc >= 2% and < 5% T:R23/24/25, 43
 Conc >= 0.2% and < 2% Xn:R20/21/22, 43

glycidyl methacrylate NoteD

2,3-epoxypropyl methacrylate
 CAS 000106-91-2
 Index 607-123-00-4
 Class'n Xn:R20/21/22 Xi:R36/38 R43
 Label Xn
 R20/21/22, 36/38, 43
 S(2), 26, 28
 203-441-9
 Conc Conc >= 25% Xn:R20/21/22, 36/38, 43
 Conc >= 10% and < 25% Xi:R36/38, 43
 Conc >= 1% and < 10% Xi:R43

glyoxal ... % NoteB

ethanedial ... %
 CAS 000107-22-2
 Index 605-016-00-7
 Class'n Muta Cat 3: R68 Xn:R20 Xi:R36/38 R43
 Label Xn
 R20, 36/38, 43, 68
 S(2), 36/37
 203-474-9
 Conc Conc >= 10% Xn:R20, 36/38, 43, 68
 Conc >= 1% and < 10% Xn:R43, 68

● **glyphosate (ISO)**

N-(phosphonomethyl)glycine
 CAS 001071-83-6
 Index 607-315-00-8
 Class'n Xi:R41 N:R51,53
 Label Xi,N
 R41, 51/53
 S(2), 26, 39, 61
 213-997-4

- **glyphosate-trimesium**
glyphosate-trimethylsulfonium
CAS 081591-81-3
Index 607-316-00-3
Class'n Xn: R22 N: R51, 53
Label Xn, N
R22, 51/53
S(2), 36/37, 46, 61

- **glyphosate-trimethylsulfonium**
glyphosate-trimesium
CAS 081591-81-3
Index 607-316-00-3
Class'n Xn: R22 N: R51, 53
Label Xn, N
R22, 51/53
S(2), 36/37, 46, 61

glyphosine (ISO)

- N,N-bis(phosphonomethyl)glycine
CAS 002439-99-8
Index 015-125-00-6
Class'n Xi: R41
Label Xi
R41
S(2) 26
219-468-4

guaiaicol

- CAS 000090-05-1
Index 604-031-00-6
Class'n Xn: R22 Xi: R36/38
Label Xn
R22, 36/38
S(2), 26
201-964-7

guanadine hydrochloride

- guanidinium chloride
CAS 000050-01-1
Index 607-148-00-0
Class'n Xn: R22 Xi: R36/38
Label Xn
R22, 36/38
S(2), 22
200-002-3

guanidinium chloride

- guanadine hydrochloride
CAS 000050-01-1
Index 607-148-00-0
Class'n Xn: R22 Xi: R36/38
Label Xn
R22, 36/38
S(2), 22
200-002-3

guazatine

- CAS 013516-27-3
Index 612-087-00-8
Class'n Xn: R21/22 Xi: R36/38 N: R50, 53
Label Xn, N
R21/22, 36/38, 50/53
S(2), 36/37, 60, 61
236-855-3

- **hafnium tetra-n-butoxide**
CAS 022411-22-9
Index 072-001-00-4
Class'n Xi: R41 R43
Label Xi
R41, 43
S(2), 24/25, 26, 37/39
411-740-2

haloxyfop-(2-ethoxyethyl) (ISO)

- 2-ethoxyethyl 2-(4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy)propionate
CAS 087237-48-7
Index 607-207-00-0
Class'n Xn: R22 N: R50, 53
Label Xn, N
R22, 50/53
S(2), 22, 36, 60, 61
402-560-5

HEPA

- amines, polyethylenepoly-
CAS 068131-73-7
Index 612-121-00-1
Class'n Xn: R21/22 C: R34 R43 N: R50, 53
Label C, N
R21/22, 34, 43, 50/53
S(1/2), 26, 36/37/39, 45, 60, 61
268-626-9
Conc Conc >= 25% C: R21/22, 34, 43
Conc >= 10% and < 25% C: R34, 43
Conc >= 5% and < 10% Xi: R36/38, 43
Conc >= 1% and < 5% Xi: R43

heptachlor (ISO)

- 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene
CAS 000076-44-8
Index 602-046-00-2
Class'n T: R24/25 Carc Cat 3: R40 R33 N: R50, 53
Label T, N
R24/25, 33, 40, 50/53
S(1/2), 36/37, 45, 60, 61
200-962-3

heptachlor epoxide

- 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane
CAS 001024-57-3
Index 602-063-00-5
Class'n T: R25 Carc Cat 3: R40 R33 N: R50, 53
Label T, N
R25, 33, 40, 50/53
S(1/2), 36/37, 45, 60, 61
213-831-0

1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene

- heptachlor (ISO)
CAS 000076-44-8
Index 602-046-00-2
Class'n T: R24/25 Carc Cat 3: R40 R33 N: R50, 53
Label T, N
R24/25, 33, 40, 50/53
S(1/2), 36/37, 45, 60, 61
200-962-3

heptane {2,4-dimethylpentane} Note C
 CAS 000108-08-7
 Index 601-008-00-2 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 203-548-0
 Conc Note 4

heptane {heptane} Note C
 CAS 000142-82-5
 Index 601-008-00-2 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 205-563-8
 Conc Note 4

heptane {3,3-dimethylpentane} Note C
 CAS 000562-49-2
 Index 601-008-00-2 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-230-8
 Conc Note 4

heptane {isoheptane} Note C
 CAS 031394-54-4
 Index 601-008-00-2 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 250-610-8
 Conc Note 4

heptane {2,3-dimethylpentane} Note C
 CAS 000565-59-3
 Index 601-008-00-2 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-280-0
 Conc Note 4

heptane {3-methylhexane} Note C
 CAS 000589-34-4
 Index 601-008-00-2 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-643-3
 Conc Note 4

heptane {2,2-dimethylpentane} Note C
 CAS 000590-35-2
 Index 601-008-00-2 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-680-5
 Conc Note 4

heptane (2-methylhexane) Note C
 CAS 000591-76-4
 Index 601-008-00-2 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-730-6
 Conc Note 4

heptane {3-ethylpentane} Note C
 CAS 000617-78-7
 Index 601-008-00-2 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 210-529-0
 Conc Note 4

heptane {2,2,3-trimethylbutane} Note C
 CAS 000464-06-2
 Index 601-008-00-2 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 207-346-3
 Conc Note 4

heptane fraction
 See
 petroleum substances
 low boiling point naphtha - unspecified
 1 092045-53-9
 petroleum substances
 low boiling point hydrogen treated naphtha
 2 092062-15-2

heptanoic acid
 CAS 000111-14-8
 Index 607-196-00-2
 Class'n C: R34
 Label C
 R34
 S(1/2), 26, 28, 36/37/39, 45
 203-838-7

mixture of
heptanoic acid
and
pentaerythritol tetraesters
and
2-ethylhexanoic acid

Index 607-296-00-6 (see Part III)
Class'n R53
Label R53
S61
410-830-9

heptan-3-one
butylethylketone

CAS 000106-35-4
Index 606-003-00-9
Class'n R10 Xn: R20 Xi: R36
Label Xn
R10, 20,36
S(2), 24
203-388-1

heptan-2-one
methyl amyl ketone

CAS 000110-43-0
Index 606-024-00-3
Class'n R10 Xn: R20/22
Label Xn
R10, 20/22
S(2), 24/25
203-767-1

heptan-4-one
di-n-propyl ketone

CAS 000123-19-3
Index 606-027-00-X
Class'n R10 Xn: R20
Label Xn
R10,20
S(2), 24/25
204-608-9

heptenophos (ISO)
7-chlorobicyclo(3.2.0)hepta-2,6-dien-6-yl dimethyl phosphate

CAS 023560-59-0
Index 015-126-00-1
Class'n T: R25
Label T
R25
S(1/2), 23, 28, 37, 45
245-737-0

mixture of
5-heptyl-1,2,4-triazol-3-ylamine
and
5-nonyl-1,2,4-triazol-3-ylamine

Index 613-077-00-6 (see Part III)
Class'n Xn: R22 Xi: R36 N: R51, 53
Label Xn,N
R22,36,51/53
S(2), 22, 26, 61
401-940-8

1,2,3,4,5,6-hexachlorocyclohexanes with the exception of
those specified elsewhere in the Approved Supply List
Note C

Index 602-042-00-0
Class'n Carc Cat 3: R40 T: R25 Xn: R21 N: R50,53
Label T,N
R21, 25, 40, 50/53
S(1/2), 22, 36/37, 45, 60, 61

hexachloroacetone

CAS 000116-16-5
Index 606-032-00-7
Class'n Xn: R22 N: R51,53
Label Xn,N
R22, 51/53
S(2), 24/25, 61
204-129-5

hexachlorobenzene Note E

CAS 000118-74-1
Index 602-065-00-6
Class'n Carc Cat 2: R45 T: R48/25 N: R50,53
Label T,N
R45, 48/25, 50/53
S53, 45, 60, 61
204-273-9

1,4,5,6,7,7-hexachlorobicyclo[2.2.1]hept-5-ene-2,3-
dicarboxylic anhydride chlorendic anhydride

CAS 000115-27-5
Index 607-101-00-4
Class'n Xi: R36/37/38
Label Xi
R36/37/38
S(2), 25
204-077-3

Conc Conc >= 1 % Xi: R36/37/38

g- 1,2,3,4,5,6-hexachlorocyclohexane
lindane
g- BHC

CAS 000058-89-9
Index 602-043-00-6
Class'n T: R23/24/25 Xi: R36/38 N: R50, 53
Label T,N
R23/24/25, 36/38, 50/53
S(1/2), 13, 45, 60, 61
200-401-2

hexachlorocyclopentadiene

CAS 000077-47-4
Index 602-078-00-7
Class'n T+: R26 T: R24 Xn: R22 C: R34 N: R50, 53
Label T+,N
R22, 24, 26, 34, 50/53
S(1/2), 25, 39, 45, 53, 60, 61
201-029-3



1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene endrin(ISO)

CAS 000072-20-8
 Index 602-051-00-X
 Class'n T+: R28 T: R24 N, R50, 53
 Label T+, N
 R24, 28, 50/53
 S(1/2), 22, 36/37, 45, 60, 61
 200-775-7

(1a,4a,4ab,5b,8b8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene isodrin

CAS 000465-73-6
 Index 602-050-00-4
 Class'n T+: R26/27/28 N: R50, 53
 Label T+, N
 R26/27/28, 50/53
 S(1/2), 13, 28, 45, 60, 61
 207-366-2

hexachlorophene

2,2'-methylenebis-(3,4,6-trichlorophenol)

CAS 000070-30-4
 Index 604-015-00-9
 Class'n T: R24/25 N: R50, 53
 Label T, N
 R24/25, 50/53
 S(1/2), 20, 37, 45, 60, 61
 200-733-8
 Conc Conc >= 2% T: R24/25
 Conc >= 0.2% and < 2% Xn: R21/22

hexachloroplatinates with the exception of those specified elsewhere in the Approved Supply List Note A

Index 078-005-00-2
 Class'n T: R25 Xi: R41 R42/43
 Label T
 R25, 41, 42/43
 S(1/2), 22, 26, 36/37/39, 45

hexachloroplatinic acid

CAS 016941-12-1
 Index 078-009-00-4
 Class'n T: R25 C: R34 R42/43
 Label T
 R25, 34, 42/43
 S(1/2), 22, 26, 36/37/39, 45
 241-010-7

1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethyl sulphite

endosulfan (ISO)

CAS 000115-29-7
 Index 602-052-00-5
 Class'n T: R24/25 Xi: R36 N: R50, 53
 Label T, N
 R24/25, 36, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 204-079-4

hexaconazole (ISO)

(RS)-2-(2,4-dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)hexan-2-ol
 CAS 079983-71-4
 Index 613-130-00-3
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61

2-n-hexadecylhydroquinone

Index 604-059-00-9
 Class'n Xn: R48/22 Xi: R38 R43 R53
 Label Xn
 R38, 43, 48/22, 53
 S(2), 22, 36/37, 61
 406-400-5

N-hexadecyl(or octadecyl)-N-hexadecyl(or octadecyl) benzamide

Index 616-023-00-X
 Class'n Xi: R38 R43
 Label Xi
 R38, 43
 S(2), 24, 37
 401-980-6

hexafluoropropene

hexafluoropropylene

CAS 000116-15-4
 Index 602-061-00-4
 Class'n Xn: R20 Xi: R37
 Label Xn
 R20, 37
 S(2), 41
 204-127-4

hexafluoropropylene

hexafluoropropene

CAS 000116-15-4
 Index 602-061-00-4
 Class'n Xn: R20 Xi: R37
 Label Xn
 R20, 37
 S(2), 41
 204-127-4

hexahydrocyclopenta[c]pyrrole-1-(1H)-ammonium N-ethoxycarbonyl-N-(p-tolylsulfonyl)azanide

Index 016-081-00-0
 Class'n MutaCat3: R68 Xn: R22 Xi: R36 R43 N: R51, 53
 Label Xn, N
 R22, 36, 43, 68, 51/53
 S(2), 26, 36/37, 61
 418-350-1

mixture of

3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indene-5-carboxaldehyde

and

3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indene-6-carboxaldehyde

Index 605-027-00-7 (see Part III)
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37 61
 410-480-7

mixture of

3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indene-6-carboxaldehyde

and

3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indene-5-carboxaldehyde

Index 605-027-00-7 (see Part 111)
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61
 410-480-7

hexahydro-4-methylphthalic anhydride Note C

CAS 019438-60-9
 Index 607-241-00-6 (see Part 111)
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 22, 24, 26, 37/39
 243-072-0

hexahydromethylphthalic anhydride Note C

CAS 025550-51-0
 Index 607-241-00-6 (see Part 111)
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 22, 24, 26, 37/39
 247-094-1

hexahydro-1-methylphthalic anhydride Note C

CAS 048122-14-1
 Index 607-241-00-6 (see Part 111)
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 22, 24, 26, 37/39
 256-356-4

hexahydro-3-methylphthalic anhydride Note C

CAS 057110-29-9
 Index 607-241-00-6 (see Part 111)
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 22, 24, 26, 37/39
 260-566-1

2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol

1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine

CAS 004719-04-4
 Index 613-114-00-6
 Class'n Xn: R22 R43
 Label Xn
 R22, 43
 S(2), 24, 37
 225-208-0
 Conc Conc >= 25% Xn: R22, 43
 Conc >= 0.1% and < 25% Xi: R43

hexakis(tetramethylammonium) 4,4'-vinylenebis((3-sulfonato-4,1-phenylene)imino(6-morpholino-1,3,5-triazine-4,2-diyl)imino)bis(5-hydroxy-6-phenylazonaphthalene-2,7-disulfonate)

CAS 124537-30-0
 Index 613-105-00-7
 Class'n T: R25 R43 R52, 53
 Label T
 R25, 43, 52/53
 S(1/2), 24, 37, 45, 61
 405-160-9

hexamethylene diacrylate Note D

hexane-1,6-diol diacrylate

CAS 013048-33-4
 Index 607-109-00-8
 Class'n Xi: R36/38 R43
 Label Xi
 R36/38, 43
 S(2), 39
 235-921-9
 Conc Conc >= 20% Xi: R36/38, 43
 Conc >= 1% and < 20% Xi: R43

hexamethylenediamine

CAS 000124-09-4
 Index 612-104-00-9
 Class'n Xn: R21/22 Xi: R37 C: R34
 Label C
 R21/22, 34, 37
 S(1/2), 22, 26, 36/37/39, 45
 204-679-6

hexamethylene-di-isocyanate

CAS 000822-06-0
 Index 615-011-00-1
 Class'n T: R23 Xi: R36/37/38 R42/43
 Label T
 R23, 36/37/38, 42/43
 S(1/2), 26, 28, 38, 45
 21 2-485-8
 Conc Note 2
 Conc >= 20% T: R23, 36/37/38, 42/43
 Conc >= 2% and < 20% T: R23, 42/43
 Conc >= 0.5% and < 2% Xn: R20, 42/43

hexamethylenetetramine

methenamine

CAS 000100-97-0
 Index 612-101-00-2
 Class'n F: R11 R42/43
 Label F, Xn
 R11, 42/43
 S(2), 16, 22, 24, 37
 202-905-8

■ **hexamethylphosphoramide**

hexamethylphosphoric triamide

CAS 000680-31-9
 Index 015-106-00-2
 Class'n Carc Cat 2: R45 Muta Cat 2: R46
 Label T
 R45,46
 553,45
 211-653-8
 Conc Conc >= 0.1 % T: R45, 46
 Conc >= 0.01 % and < 0.1 % T: R45

■ **hexamethylphosphoric triamide**

hexamethylphosphoramide

CAS 000680-31-9
 Index 015-106-00-2
 Class'n Carc Cat 2: R45 Muta Cat 2: R46
 Label T
 R45,46
 553,45
 211-653-8
 Conc Conc >= 0.1 % T: R45,46
 Conc >= 0.01 % and < 0.1 % T: R45

n-hexane

CAS 000110-54-3
 Index 601-037-00-0
 Class'n F: R11 Repr Cat 3: R62 Xn: R65,48/20 Xi:
 R38 R67 N: R51,53
 Label F, Xn, N
 R11,38,48/20,51/53,62,65,67
 S(2),9,16,29,33,36/37,61,62
 Conc Note 4
 Conc >= 20% Xn: R38,48/20,62
 Conc >= 5% and < 20% Xn: R48/20,62

hexane-1,6-diol diacrylate Note D

hexamethylenediacrylate

CAS 013048-33-4
 Index 607-109-00-8
 Class'n Xi: R36/38 R43
 Label Xi
 R36/38,43
 S(2),39
 235-921-9
 Conc Conc >= 20% Xi: R36/38,43
 Conc >= 1% and < 20% Xi: R43

• **1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxlidinyl)ethyl)carbamate**

CAS 140921-24-0
 Index 616-079-00-5
 Class'n R43
 Label Xi
 R43
 S(2),24,37
 411-700-4

• **N,N' 1,6-hexanediylbis(N-(2,2,6,6-tetramethyl-piperidin-4-yl) formamide**

CAS 124172-53-8
 Index 616-061-00-7
 Class'n Xi: R36 R52, 53
 Label Xi
 R36,52/53
 S(2),26,61
 413-610-0

■ **hexane, mixture of isomers (containing < 5% n-hexane (EC NO 203-777-6))** Note C

Index 601-007-00-7
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R51,53
 Label F, Xn, N
 R11,38,51/53,65,67
 S(2),9,16,29,33,61,62
 Conc Note 4

hexan-1-ol

CAS 000111-27-3
 Index 603-059-00-6
 Class'n Xn: R22
 Label Xn
 R22
 S(2),24/25
 203-852-3
 Conc Conc >= 25% Xn: R22

hexan-2-one

methyl butyl ketone
 butyl methyl ketone
 methyl-n-butyl ketone
 CAS 000591-78-6
 Index 606-030-00-6
 Class'n R10 Repr Cat 3: R62 T: R48/23 R67
 Label T
 R10,48/23,62,67
 S(1/2),36/37,45
 209-731-1
 Conc Conc >= 10% T: R48/23,62
 Conc >= 5% and < 10% Xn: R48/20,62
 Conc >= 1% and < 5% Xn: R48/20

hexapentyl-distannoxane

fluorotripentylstannane
 CAS 025637-27-8
 Index 050-009-00-9
 Class'n Xn: R20/21/22 N: R50,53
 Label Xn, N
 R20/21/22,50/53
 S(2),26,28,60,61
 247-143-7
 Conc Note 1
 Conc >= 1% Xn: R20/21/22

• **hexasodium,1'-[(amino-8-hydroxy-3,6-disulfonate-2,7-naphthalenediyl)bis[azo(4-sulfonate-1,3-phenyl)imino [6-[(4-chloro-3-sulfonatophenyl)amino]-1,3,5-triazin-2,4-diyl]]bis[3-carboxypyridinium]dihydroxide**

CAS 089797-03-5
 Index 611-095-00-9
 Class'n N: R51, 53
 Label N
 R51,53
 S22,61
 412-240-7

hexasodium [4,4"-azoxybis(2,2'-disulfonatostilbene-4,4'-diylazo)]-bis[5'-sulfonatobenzene-2,2'-diolato-O(2),O(2),N(1)]-copper(II)

CAS 082027-60-9
 Index 611-033-00-0
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 400-020-3

hexasodium 6,13-dichloro-3,10-bis((4-(2,5-disulfonatoanilino)-6-fluoro-1,3,5-triazin-2-ylamino)prop-3-ylamino)-5,12-dioxa-7,14-diazapentacene-4,11-disulfonate

CAS 085153-92-0
 Index 613-093-00-3
 Class'n R42/43
 Label Xn
 R42/43
 S(2), 22, 24, 37
 400-050-7

● hexasodium dihydrogen-dodecawolframate

CAS 012141-67-2
 Index 074-001-00-x
 Class'n Xn: R22 Xi: R41 R52, 53
 Label Xn
 R22, 41, 52/53
 S(2), 22, 26, 39, 61
 412-770-9

hexasodium 7-(4-(4-(4-(2,5-disulfonatoanilino)-6-fluoro-1,3,5-triazin-2-ylamino)-2-methylphenylazo)-7-sulphonatonaphthylazo)naphthalene-1,3,5-trisulphonate

CAS 085665-96-9
 Index 016-047-00-5
 Class'n R43
 Label Xi
 R43
 S(2), 22, 24, 37
 401-650-1

mixture of
 hexasodium phosphonobutane-1,2,3,4-tetracarboxylate
 and
 tetrasodium phosphonoethane-1, 2-dicarboxylate

Index 607-295-00-0 (see Part III)
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61
 410-800-5

hexasodium 2,2'-vinylenebis((3-sulfonato-4,1-phenylene)imino(6-(N-cyanoethyl-N-(2-hydroxypropyl)amino)-1,3,5-triazine-4,2-diyl)imino)dibenzene-1,4-disulfonate

CAS 076508-02-6
 Index 613-107-00-8
 Class'n Xi: R36
 Label Xi
 R36
 S(2), 26
 405-280-1

hexazinone
 3-cyclohexyl-6-dimethylalmino-1-methyl-1,2,3,4-tetrahydro-1,3,5-triazine-2,4-dione

CAS 051235-04-2
 Index 613-132-00-4
 Class'n Xn: R22 Xi: R36 N: R50, 53
 Label Xn, N
 R22, 36, 50/53
 S(2), 60, 61
 257-074-4

hexyl
 bis(2,4,6-trinitrophenyl)amine

CAS 000131-73-7
 Index 612-018-00-1
 Class'n E: R2 T+: R26/27/28 R33 N: R51, 53
 Label E, T+, N
 R2, 26/27/28, 33, 51/53
 S(1/2), 35, 36, 45, 61
 205-037-8

hexyl acrylate

CAS 002499-95-8
 Index 607-233-00-2
 Class'n Xi: R36/37/38 R43 N: R51, 53
 Label Xi, N
 R36/37/38, 43, 51/53
 S(2), 24, 26, 37, 61
 219-698-5

mixture of
 hexyldioctylphosphine oxide
 and
 dibexyloctylphosphineoxide
 and
 trioctylphosphineoxide

Index 015-149-00-7 (see Part III)
 Class'n C: R34 N: R50, 53
 Label C, N
 R34, 50/53
 S(1/2), 26, 36/37/39, 45, 60, 61
 403-470-9

N-hexyllithium

CAS 021369-64-2
 Index 003-002-00-X
 Class'n F: R14/15, 17 C: R35
 Label F, C
 R14/15, 17, 35
 S(1/2), 6, 16, 26, 30, 36/37/39, 43, 45
 404-950-0

mixture of
 2-(hexylthio)ethylamine hydrochloride
 and
 sodium propionate

Index 607-277-00-2 (see Part III)
 Class'n Xn: R22 Xi: R41 R43 N: R51, 53
 Label Xn, N
 R22, 41, 43, 51/53
 S(2), 24, 26, 37/39, 61
 405-720-2



hexythiazox

trans-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-3-thiazolidine-carboxamide
 CAS 078587-05-0
 Index 613-125-00-6
 Class'n N: R50,53
 Label N
 R50/53
 S60, 61

hydrazine Note E

CAS 000302-01-2
 Index 007-008-00-3
 Class'n R10 Carc Cat 2: R45 T: R23/24/25 C: R34
 R43 N: R50, 53
 Label T, N
 R45, 10, 23/24/25, 34, 43, 50/53
 S53, 45, 60, 61
 206-114-9
 Conc Conc >= 25% T: R45, 23/24/25, 34, 43
 Conc >= 10% and < 25% T: R45, 20/21/22, 34, 43
 Conc >= 3% and < 10% T: R45, 20/21/22, 36/38,
 43
 Conc >= 1% and < 3% T: R45, 43
 Conc >= 0.1% and < 1% T: R45

hydrazine bis(3-carboxy-4-hydroxybenzenesulfonate)

Index 007-022-00-X
 Class'n Carc Cat 2: R45 Xn: R22 C: R34 R43 R52,53
 Label T
 R45, 22, 34, 43, 52/53
 S53, 45, 61
 405-030-1

hydrazine, salts of Notes A and E

Index 007-014-00-6
 Class'n Carc Cat 2: R45 T: R23/24/25 R43 N: R50, 53
 Label T, N
 R45, 23/24/25, 43, 50/53
 S53, 45, 60, 61

hydrazine trinitromethane Note E

Index 609-053-00-X
 Class'n E: R3 O: R8 Carc Cat 2: R45 T: R23/25 R43
 Label E, T
 R45, 3, 8, 23/25, 43
 S53, 45
 414-850-9

N,N-hydrazinodiacetic acid

CAS 019247-05-3
 Index 607-214-00-9
 Class'n T: R25 Xn: R48/22 R43 R52, 53
 Label T
 R25, 43, 48/22, 52/53
 S(1/2), 26, 36/37/39, 45, 61
 403-510-5

1 (4-hydrazinophenyl)-N-methylmethanesulfonamide hydrochloride

CAS 081880-96-8
 index 007-025-00-6
 Class'n Muta Cat 3: R68 T: R25, 48/25 R43 N: R50, 53
 Label T, N
 R25, 43, 48/25, 68, 50/53
 S(1/2), 22, 36/37/39, 45, 60, 61
 406-090-1

hydrazobenzene Note E

1,2-diphenylhydrazine
 CAS 000122-66-7
 Index 007-021-00-4
 Class'n Carc Cat 2: R45 Xn: R22 N: R50, 53
 Label T, N
 R45, 22, 50/53
 S53, 45, 60, 61
 204-563-5

hydriodic acid ... % Note B

Index 053-002-01-6
 Class'n C: R34
 Label C
 R34
 S(1/2), 26, 45
 Conc Conc >= 25% C: R34
 Conc >= 10% and < 25% Xi: R36/38

hydrobromic acid ... % Note B

Index 035-002-01-8
 Class'n C: R34 Xi: R37
 Label C
 R34, 37
 S(1/2), 7/9, 26, 45
 Conc Conc >= 40% C: R34, 37
 Conc >= 10% and < 40% Xi: R36/37/38

hydrochloric acid ... % Note B

Index 017-002-01-X
 Class'n C: R34 Xi: R37
 Label C
 R34, 37
 S(1/2), 26, 45
 231-595-7
 Conc Conc >= 25% C: R34, 37
 Conc >= 10% and c 25% Xi: R36/37/38

hydrocyanic acid

hydrogen cyanide
 CAS 000074-90-8
 Index 006-006-00-X
 Class'n F+: R12 T+: R26 N: R50, 53
 Label F+, T+, N
 R12, 26, 50/53
 S(1/2), 7/9, 16, 36/37, 38, 45, 60, 61
 200-821-6

hydrocyanic acid ... % Note B

hydrogencyanide ... %
CAS 000074-90-8
Index 006-006-01 -7
Class'n T+: R26/27/28 N: R50,53
Label T+,N R26127128,50/53 S(1/2), 7/9, 16,36/37,38,45,60,61 200-821 -6
Conc Conc >= 7% T+: R26/27/28 Conc >= 1% and < 7% T: R23/24/25 Conc >= 0.1% and < 1% Xn: R20/21/22

hydrofluoric acid ... % Note B

CAS 007664-39-3
Index 009-003-00-1
Class'n T+: R26/27/28 C: R35
Label T+,C R26/27/28,35 S(1/2), 7/9,26,36/37,45 231-634-8
Conc Conc >= 7% T+: C: R26/27/28,35 Conc >= 1% and < 7% T: R23/24/25,34 Conc >= 0.1% and < 1% Xn: R20/21/22,36/37/38

hydrogen

CAS 001333-74-0
Index 001-001-00-9
Class'n F+:R12
Label F+ R12 S(2),9, 16,33 215-605-7

hydrogen bromide

CAS 010035-10-6
Index 035-002-00-0
Class'n C: R35 Xi: R37
Label C R35,37 S(1/2), 7/9,26,45 233-113-0

hydrogen chloride

CAS 007647-01-0
Index 017-002-00-2
Class'n T: R23 C: R35
Label T,C R23,35 S(1/2), 9,26,36/37/39,45 231-595-7
Conc Note5 Conc >= 5% T: C: R23,35 Conc >= 1% and < 5% C: R20, 35 Conc >= 0.5% and < 1% C: R20, 34 Conc >= 0.2% and < 0.5% C: R34 Conc >= 0.02% and < 0.2% Xi: R36/37/38

hydrogen cyanide

hydrocyanic acid
CAS 000074-90-8
Index 006-006-00-X
Class'n F+: R12 T+: R26 N: R50, 53
Label F+, T+, N R12,26,50/53 S(1/2), 7/9, 16, 36/37, 38, 45, 60, 61 200-821 -6

hydrogen cyanide ... % Note B

hydrocyanic acid ... %
CAS 000074-90-8
Index 006-006-01 -7
Class'n T+: R26/27/28 N: R50, 53
Label T+,N R26/27/28,50/53 S(1/2), 719, 16,36/37,38,45,60,61 200-821 -6
Conc Conc >= 7% T+: R26/27/28 Conc >= 1% and < 7% T: R23/24/25 Conc >= 0.1% and < 1% Xn: R20/21/22

hydrogen cyanide, (Salts of ...) with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide Note A

Index 006-007-00-5
Class'n T+: R26/27/28 R32 N: R50,53
Label T+, N R26/27/28,32,50/53 S(1/2), 7,28,29,45, 60, 61

hydrogen fluoride

CAS 007664-39-3
Index 009-002-00-6
Class'n T+: R26/27/28 C: R35
Label T+,C R26127128,35 S(1/2), 7/9,26,36/37/39,45 231-634-8

hydrogen iodide

CAS 010034-85-2
Index 053-002-00-9
Class'n C: R35
Label C R35 S(1/2), 9, 26, 36/37/39, 45 233-109-9
Conc Note 5 Conc >= 10% C: R35 Conc >= 0.2% and < 10% C: R34 Conc >= 0.02% and < 0.2% Xi: R36/37/38

hydrogen peroxide solution ... % Note B

CAS 007722-84-1
Index 008-003-00-9
Class'n O: R8 C: R34
Label O, C R8,34 S(1/2), 3,28,36/39,45 231-765-0
Conc Conc >= 20% C: R34 Conc >= 5% and < 20% Xi: R36/38 Conc >= 60% O: R8

hydrogen sodium N-carboxylatoethyl-N-octadec-9-enylmaleamate

Index 607-188-00-9
Class'n R43 N: R51,53
Label Xi,N R43,51/53 S(2),24,37,61 402-970-4

hydrogen sulphide

CAS 007783-06-4
 Index 016-001-00-4
 Class'n F+: R12 T+: R26 N: R50
 Label F+, T+, N
 R12, 26, 50
 S(1/2), 9, 16, 28, 36/37, 45, 61
 231-977-3
 Conc Note5
 Conc >= 10% T+: R26
 Conc >= 5% and < 10% T: R23
 Conc >= 1% and < 5% Xn: R20

1-hydroperoxycyclohexyl 1-hydroxycyclohexyl peroxide

Note C

CAS 000078-18-2
 Index 617-010-00-1 (see Part III)
 Class'n E: R2 Xn: R22 C: R34
 Label E, C
 R2, 22, 34
 S(1/2), 3/7, 14, 36/37/39, 45
 201-091-1
 Conc Conc >= 25% C: R22, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

hydroquinone

1,4-dihydroxybenzene
 quillol
 CAS 000123-31-9
 Index 604-005-00-4
 Class'n CarcCat3: R40 MutaCat3: R68 Xn: R22 Xi:
 R41 R43 N: R50
 Label Xn, N
 R22, 40, 41, 43, 50, 68
 S(2), 26, 36/37/39, 61
 204-61 7-8

hydroquinone monobenzyl ether

monobenzone
 4-hydroxyphenylbenzylether
 CAS 000103-16-2
 Index 604-043-00-1
 Class'n Xi: R36 R43
 Label Xi
 R36, 43
 S(2), 24/25, 26, 37
 203-083-3

hydroquinone monomethyl ether

mequinol
 4-methoxyphenol
 CAS 000150-76-5
 Index 604-044-00-7
 Class'n Xn: R22 Xi: R36 R43
 Label Xn
 R22, 36, 43
 S(2), 24/25, 26, 37/39, 46
 205-769-8

hydroxo(2-(benzenesulfonamido)benzoato)zinc(II)

CAS 113036-91-2
 Index 030-008-00-X
 Class'n Xn: R20 N: R51, 53
 Label Xn, N
 R20, 51/53
 S(2), 22, 57, 61
 403-750-0

mixture of

hydroxyaluminium bis[2-hydroxy-3,5-di-tert-butylbenzoate]

and

3,5-di-tert-butyl-salicylic acid

CAS 130296-87-6
 Index 607-266-00-2 (see Part III)
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 22, 60, 61
 406-890-0

2-hydroxybiphenyl

biphenyl-2-ol
 2-phenylphenol (ISO)
 CAS 000090-43-7
 Index 604-020-00-6
 Class'n Xi: R36/37/38 N: R50
 Label Xi, N
 R36/37/38, 50
 S(2), 22, 61
 201-993-5

4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin

brodifacoum

CAS 056073-10-0
 Index 607-172-00-1
 Class'n T+: R27/28 T: R48/24/25 N: R50, 53
 Label T+, N
 R27/28, 48/24/25, 50/53
 S(1/2), 36/37, 45, 60, 61
 259-980-5

4-hydroxy-3,5-diiodobenzonitrile

ioxynil (ISO)
 CAS 001689-83-4
 Index 608-007-00-6
 Class'n ReprCat3: R63 T: R25 Xn: R21 N: R50, 53
 Label T, N
 R21, 25, 50/53, 63
 S(1/2), 36/37, 45, 60, 61
 216-881-1

3-hydroxy-1,1-dimethylbutyl 2-ethyl-2-methylheptaneperoxoate

Index 617-01 6-00-4
 Class'n O: R7 R10 Xi: R38 N: R50, 53
 Label O, Xi, N
 R7, 10, 38, 50/53
 S(2), 7/47, 14, 36/37/39, 60, 61
 413-910-1

• 2-(2-hydroxy-3,5-dinitroanilino)ethanol
 CAS 099610-72-7
 Index 604-056-00-2
 Class'n F: R11 ReprCat3: R62 Xn: R22
 Label F,Xn
 R11, 22, 62
 S(2), 22, 33, 36/37
 41 2-520-9

• 2-(1-(2-hydroxy-3,5-di-tert-pentyl-phenyl)ethyl)-4,6-di-tert-pentylphenyl acrylate
 CAS 123968-25-2
 Index 607-323-00-1
 Class'n R53
 Label R53
 S61
 413-850-6

• 2-(2-(2-hydroxyethoxy)ethyl)-2-aza-bicyclo[2.2.1]heptane
 CAS 116230-20-7
 Index 603-142-00-7
 Class'n Xn: R21/22,48/20 Xi: R38,41
 Label Xn
 R21/22, 38, 41, 48/20
 S(2), 26, 36/37/39
 407-360-1

2-hydroxyethyl acrylate Note D
 CAS 000818-61-1
 Index 607-072-00-8
 Class'n T: R24 C: R34 R43 N: R50
 Label T,N
 R24, 34, 43, 50
 S(1/2), 26, 36/39, 45, 61
 212-454-9
 Conc Conc >= 10% T: R24, 34, 43
 Conc >= 5% and < 10% T R24, 36/38, 43
 Conc >= 2% and < 5% T: R24, 43
 Conc >= 0.2% and < 2% Xn: R21,43

• 2-hydroxyethylammonium perbromide
 Index 035-004-00-1
 Class'n O: R8 Xn: R22 C: R35 R43 N: R50
 Label O, C, N
 R8, 22, 35, 43, 50
 S(1/2), 3/7, 14, 26, 36/37/39, 45, 60, 61
 407-440-6

2-hydroxyethyl methacrylate Note D
 CAS 000868-77-9
 Index 607-124-00-X
 Class'n Xi: R36/38 R43
 Label Xi
 R36/38, 43
 S(2), 26, 28
 212-782-2
 Conc Conc >= 20% Xi: R36/38, 43
 Conc >= 1% and < 20% Xi: R43

• a[2-[[[(2-hydroxyethyl)methylamino]acetyl]amino]propyl]-y-(nonylphenoxy)poly[oxo(methyl-1,2-ethanediy)]
 CAS 144736-29-8
 Index 603-162-00-6
 Class'n C: R34 R43 N: R51,53
 Label C,N
 R34, 43, 51/53
 S(1/2), 26, 28, 36/37/39, 45, 61
 413-420-8

• (1-(1-hydroxyethyl)-4-(1-methylethyl)cyclohexane; mixture of diastereoisomers
 CAS 063767-86-2
 Index 603-149-00-5
 Class'n Xi: R36/38 N: R51,53
 Label Xi, N
 R36/38,51/53
 S(2), 26, 37, 61
 407-640-3

2-hydroxyethyl octyl sulphide
 2-(octylthio)ethanol
 CAS 003547-33-9
 Index 603-088-00-4
 Class'n Xi:R41
 Label Xi
 R41
 S(2), 26
 222-598-4

9-hydroxy-9H-fluorene-9-carboxylic acid
 flurenol
 CAS 000467-69-6
 Index 607-234-00-8
 Class'n N: R51,53
 Label N
 R51/53
 S61
 207-397-1

R,R-2-hydroxy-5-(1-hydroxy-2-(4-phenylbut-2-ylamino)ethyl)benzamide hydrogen 2,3-bis(benzoyloxy)succinate
 Index 612-114-00-3
 Class'n F: R11 R43 R52,53
 Label F,Xi
 R11, 43, 52/53
 S(2), 24, 37,61
 404-390-7

• 6-hydroxy-1-(3-isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo)phenylazo]-1,2-dihydro-3-pyridinecarbonitrile
 CAS 085136-74-9
 Index 611-057-00-1
 Class'n Carc Cat2: R45 R53
 Label T
 R45, 53
 S53, 45, 61
 400-340-3

hydroxylamine

CAS 007803-49-8
 Index 612-122-00-7
 Class'n R5 Xn: R22, 48/22 Xi: R37/38, 41 R43 N:
 R50
 Label Xn, N
 R5, 22, 37/38, 41, 43, 48/22, 50
 S(2), 22, 26, 36/37/39, 61
 232-259-2

hydroxylamine hydrochloride

hydroxylammonium chloride
 bis(hydroxylammonium) sulphate
 hydroxylamine sulphate (2:1)
 hydroxylammonium hydrogensulphate
 hydroxylamine sulphate (1:1)
 CAS 005470-11-1
 Index 612-123-00-2
 Class'n Xn: R22, 48/22 Xi: R36/38 R43 N: R50
 Label Xn, N
 R22, 36/38, 43, 48/22, 50
 S(2), 22, 24, 37, 61
 226-798-2

hydroxylamine sulphate (2:1)

hydroxylammonium chloride
 hydroxylamine hydrochloride
 bis(hydroxylammonium) sulphate
 hydroxylammonium hydrogensulphate
 hydroxylamine sulphate (1:1)
 CAS 010039-54-0
 Index 612-123-00-2
 Class'n Xn: R22, 48/22 Xi: R36/38 R43 N: R50
 Label Xn, N
 R22, 36/38, 43, 48/22, 50
 S(2), 22, 24, 37, 61
 233-118-8

hydroxylamine sulphate (1:1)

hydroxylammonium chloride
 hydroxylamine hydrochloride
 bis(hydroxylammonium) sulphate
 hydroxylamine sulphate (2:1)
 hydroxylammonium hydrogensulphate
 CAS 010046-00-1
 Index 612-123-00-2
 Class'n Xn: R22, 48/22 Xi: R36/38 R43 N: R50
 Label Xn, N
 R22, 36/38, 43, 48/22, 50
 S(2), 22, 24, 37, 61
 233-154-4

hydroxylammonium chloride

hydroxylamine hydrochloride
 bis(hydroxylammonium) sulphate
 hydroxylamine sulphate (2:1)
 hydroxylammonium hydrogensulphate
 hydroxylamine sulphate (1:1)
 CAS 005470-11-1
 Index 612-123-00-2
 Class'n Xn: R22, 48/22 Xi: R36/38 R43 N: R50
 Label Xn, N
 R22, 36/38, 43, 48/22, 50
 S(2), 22, 24, 37, 61
 226-798-2

hydroxylammonium hydrogensulphate

hydroxylammonium chloride
 hydroxylamine hydrochloride
 bis(hydroxylammonium) sulphate
 hydroxylamine sulphate (2:1)
 hydroxylamine sulphate (1:1)
 CAS 010046-00-1
 Index 612-123-00-2
 Class'n Xn: R22, 48/22 Xi: R36/38 R43 N: R50
 Label Xn, N
 R22, 36/38, 43, 48/22, 50
 S(2), 22, 24, 37, 61
 233-154-4

•(6-(4-hydroxy-3-(2-methoxyphenylazo)-2-sulfonato-7-naphthylamino)-1,3,5-triazin-2,4-diyl)bis[(amino-1-methylethyl)ammonium]formate

CAS 108225-03-2
 Index 611-058-00-7
 Class'n CarcCat2: R45 Xi: R41 N: R51,53
 Label T, N
 R45, 41, 51/53
 S53, 45, 61
 402-060-7

• mixture of
 N-[β-hydroxy-2-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide
 and
 N-[2,3-bis-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide
 and
 methacrylamide
 and
 2-methyl-N-(2-methylacryloylaminomethoxymethyl)acrylamide
 and
 N-(2,3-dihydroxypropoxymethyl)-2-methylacrylamide

Index 616-057-00-5 (see Part III)
 Class'n CarcCat2: R45 Muta Cat3: R68 Xn: R48/22
 Label T
 R45, 48/22
 S53, 45
 412-790-8

3-hydroxy-5-methylisoxazole

hymexazol
 CAS 010004-44-1
 Index 613-115-00-1
 Class'n Xn: R22 Xi: R41 R52,53
 Label Xn
 R22, 41, 52/53
 S(2), 26, 39, 61
 233-000-6

2-hydroxymethyl-9-methyl-6-(1-methylethyl)-1,4-dioxaspiro[4.5]decane

CAS 063187-91-7
 Index 603-132-00-2
 Class'n Xi: R38, 41 R52, 53
 Label Xi
 R38, 41, 52/53
 S(2), 26, 37/39, 61
 408-200-3

4-hydroxy-4-methylpentan-2-one
diacetone alcohol

CAS 000123-42-2
 Index 603-01 6-00-1
 Class'n Xi:R36
 Label Xi
 R3 6
 S(2), 24/25
 204-626-7
 Conc Conc >= 10% Xi: R36

1 N-[4-[(2-hydroxy-5-methylphenyl)azo]phenyl]acetamide

C.I. Disperse Yellow 3
 CAS 002832-40-8
 Index 611-055-00-0
 Class'n Carc Cat 3: R40 R43
 Label Xn
 R40,43
 S(2), 22,36/37,46
 220-600-8

2-hydroxy-2-methylpropionitrile

2-cyanopropan-2-ol
 acetonecyanohydrin
 CAS 000075-86-5
 Index 608-004-00-X
 Class'n T+: R26/27/28 N: R50,53
 Label T+, N
 R26/27/28,50/53
 S(1/2), 7/9,27,45,60,61
 200-909-4

• I-hydroxy-5-(2-methylpropyloxycarbonylamino)-N-(3-dodecycloxypropyl)-2-naphthoamide

CAS 110560-22-0
 Index 616-069-00-0
 Class'n R53
 Label R53
 S61
 406-210-2

4-hydroxy-3-[3-oxo-1-(2-furyl)butyl]coumarin
fumarin.

coumafuryl (ISO)
 (RS)-3-(1-(2-furyl-3-oxobutyl)-4-hydroxycoumarin
 CAS 0001 17-52-2
 Index 607-058-00-1
 Class'n T: R25, 48/25 R52, 53
 Label T
 R25,48/25,52/53
 S(1/2),37,45,61
 204-195-5

(S)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone
Note E

CAS 005543-57-7
 Index 607-056-00-0 (See Part III)
 Class'n ReprCat 1: R61 T: R48/25 R52,53
 Label T
 R61,48/25,52/53
 S53,45,61
 226-907-3

(R)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone
Note E

CAS 005543-58-8
 Index 607-056-00-0 (see Part III)
 Class'n ReprCat 1: R61 T: R48/25 R52,53
 Label T
 R61,48/25,52/53
 S53,45,61
 226-908-9

(P)-2-(4-hydroxyphenoxy)propanoic acid

CAS 094050-90-5
 Index 607-269-00-9
 Class'n Xi: R41
 Label Xi
 R41
 S(21,26,39)
 407-960-3

4-hydroxyphenyl benzyl ether

monobenzone
 hydroquinone monobenzylether
 CAS 000103-16-2
 Index 604-043-00-1
 Class'n Xi:R36 R43
 Label Xi
 R36,43
 S(2), 24/25,26,37
 203-083-3

3-(hydroxyphenylphosphinyl) propanoic acid

CAS 014657-64-8
 Index 015-167-00-5
 Class'n Xi: R41
 label Xi
 R41
 S(2), 26,39
 411-200-6

hydroxphosphonoacetic acid

CAS 023783-26-8
 Index 015-159-00-1
 Class'n Xn: R22,48/22 C: R34 R43
 Label C
 R22,34,43,48/22
 S(1/2), 22,26,36/37/39,45
 405-710-8

a -hydroxypoly(methyl-(3-(2,2,6,6-tetramethylpiperidin-4-yl oxy)propyl)siloxane)

Index 014-013-00-4
 Class'n Xn: R21/22 C: R34 N: R51,53
 Label C,N
 R21/22,34,51/53
 S(1/2), 26, 36/37/39, 45, 61
 404-920-7

• (2-hydroxy-4-(3-propoxy)benzophenone and triethoxysilane) with (hydrolysis product of silica and methyltrimethoxysilae); reaction product of

Index 014-022-00-3
 Class'n F: R11 T: R39/23/24/25 Xn: R20/21/22
 Label F,T
 R11, 20/21/22, 39/23/24/25
 S(1/2), 16, 29, 36/37, 45
 401-530-9

hydroxypropyl acrylate {1-hydroxy-2-methylethylacrylate}

Notes C and D

CAS	002918-23-2
Index	607-108-00-2 (see Part III)
Class'n	T: R23/24/25 C: R34 R43
Label	T R23/24/25,34,43 5(1/2),26,36/37/39,45 220-852-9
Conc	Conc >= 10% T: R23/24/25,34,43 Conc >= 5% and < 10% T: R23/24/25,36/38,43 Conc >= 2% and < 5% T: R23/24/25,43 Conc >= 0.2%,and < 2% Xn: R20/21/22,43

hydroxypropyl acrylate {2-hydroxypropyl acrylate}

Notes C and D

CAS	000999-61-1
Index	607-108-00-2 (see Part III)
Class'n	T: R23/24/25 C: R34 R43
Label	T R23/24/25,34,43 5(1/2),26,36/37/39,45 213-663-8
Conc	Conc >= 10% T: R23/24/25,34,43 Conc >= 5% and < 10% T: R23/24/25,36/38,43 Conc >= 2% and < 5% T: R23/24/25,43 Conc >= 0.2% and < 2% Xn: R20/21/22,43

hydroxypropyl acrylate [mixture of isomers] Notes C and D

CAS	025584-83-2
Index	607-108-00-2 (see Part III)
Class'n	T: R23/24/25 C: R34 R43
Label	T R23/24/25,34,43 5(1/2),26,36/37/39,45 247-118-0
Conc	Conc >= 10% T: R23/24/25,34,43 Conc >= 5% and < 10% T: R23/24/25,36/38,43 Conc >= 2% and e 5% T: R23/24/25,43 Conc >= 0.2% and < 2% Xn: R20/21/22,43

● **4-[(3-hydroxypropyl)amino] -3-nitrophenol**

CAS	092952-81-3
Index	609-060-00-8
Class'n	Xi: R38 N: R51, 53
Label	Xi, N R38,51/53 S(2), 37, 61 406-305-9

2-hydroxypropylmethacrylate Notes C and D

CAS	000923-26-2
Index	607-125-00-5 (see Part III)
Class'n	Xi: R36 R43
Label	Xi R36,43 S(2),24/25,26,37/39 213-090-3

3-hydroxypropylmethacrylate Notes C and D

CAS	002761-09-3
Index	607-125-00-5 (see Part III)
Class'n	Xi: R36 R43
Label	Xi R36,43 S(2),24/25,26,37/39 220-426-2

5-(α -hydroxy- α -2-pyridylbenzyl)-7-(α -2-pyridylbenzylidene) bicyclo[2.2.1] hept-5-ene-2,3-dicarboximide

norbormide (ISO)

CAS	000991-42-4
Index	650-004-00-7
Class'n	Xn: R22
Label	Xn R22 S(2) 213-589-6

4-hydroxy-3-(1,2,3,4-tetrahydro-1-naphthyl)coumarin coumatetralyl

CAS	005836-29-3
Index	607-059-00-7
Class'n	T+: R27128 T: R48/24/25 R52,53
Label	T+ R27/28,48/24/25,52/53 S(1/2), 28,36/37,45,61 227-424-0

hydroxytricyclohexylstaManecyhexatin (BO)
tri(cyclohexyl)tinhydroxide

CAS	013121-70-5
Index	050-002-00-0
Class'n	Xn: R20/21/22 N: R50, 53
Label	Xn, N R20/21/22,50/53 5(2), 13, 60, 61 236-049-1

hymexazol

3-hydroxy -5-methylisoxazole

CAS	010004-44-1
Index	613-115-00-1
Class'n	Xn: R22 Xi: R41 R52, 53
Label	Xn R22,41,52/53 S(2),26,39,61 233-000-6

hyoscine

CAS	000051-34-3
Index	614-014-00-5
Class'n	T+: R26/27/28
Label	T+ R26/27/28 S(1/2),25,45 200-090-3

hyoscine, salts of Note A

Index	614-015-00-0
Class'n	T+: R26/27/28
Label	T+ R26/27/28 S(1/2),25,45

hyoscyamine

CAS	000101-31-5
Index	614-012-00-4
Class'n	T+: R26/28
Label	T+
	R26/28
	S(1/2), 24, 45
	202-933-0

hyoscyamine, salts of Note A

Index	614-013-00-X
Class'n	T+:R26/28
Label	T+
	R26/28
	S(1/2), 24, 45

● 3-icosyl-4-henicosylidene-2-oxetanone

CAS	083708-14-9
Index	607-346-00-7
Class'n	R53
Label	R53
	S61
	401-210-9

■ mazalil (ISO)

1-[2-(allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole	
CAS	035554-44-0
Index	613-042-00-5
Class'n	Xn: R20/22 Xi: R41 N: R50, 53
Label	Xn, N
	R20/22, 41, 50/53
	S(2), 26, 39, 60, 61
	252-615-0

imazalil sulphate (ISO)

Index	613-043-00-0 (see Part III)
Class'n	Xn: R20/22 Xi: R41 N: R50, 53
Label	Xn, N
	R20/22, 41, 50/53
	S(2), 26, 39, 60, 61

imazapyr

2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridine carboxylate	
CAS	081334-34-1
Index	613-126-00-1
Class'n	Xi: R36 R52, 53
Label	Xi
	R36, 52/53
	S(2), 26, 61

imidazolidine-2-thione Note E

ethylenethiourea 2-imidazoline-2-thioI	
CAS	000096-45-7
Index	613-039-00-9
Class'n	Repr Cat 2: R61 Xn: R22
Label	T
	R61, 22
	S53, 45
	202-506-9

2-imidazoline-2-thiol Note E

ethylenethiourea imidazolidine-2-thione	
CAS	000096-45-7
Index	613-039-00-9
Class'n	ReprCat2: R61 Xn: R22
Label	T
	R61, 22
	S53, 45
	202-506-9

4,4'-(4-aminocyclohexa-2,5-dienylidene)methylene)dianiline hydrochloride

C.I. Basic Red 9	
CAS	000569-61-9
Index	611-031-00-X
Class'n	Carc Cat2: R45
Label	T
	R45
	S53, 45
	209-321-2

2,2' iminodiethanol

diethanolamine	
CAS	000111-42-2
Index	603-071-00-1
Class'n	Xn: R22, 48/22 Xi: R38, 41
Label	Xn
	R22, 38, 41, 48/22
	S(2), 26, 36/37/39, 46
	203-868-0

mixture of

2,2-iminodiethanol 6-methyl-2-(4-(2,4,6-triaminopyrimidin-5-ylazo)phenyl)benzothiazole-7-sulfonate

and

N,N-diethylpropane-1,3-diamine 6-methyl-2-(4-(2,4,6-triaminopyrimidin-5-ylazo)phenyl)benzothiazole-7-sulfonate

and

2-methylaminoethanol 6-methyl-2-(4-(2,4,6-triaminopyrimidin-5-ylazo)phenyl)benzothiazole-7-sulfonate

Index	611-012-00-6 (see Part III)
Class'n	R43
Label	Xi
	R43
	S(2), 22, 24, 26, 37
	403-410-1

2,2'-iminodiethylamine

diethylenetriamine	
CAS	000111-40-0
Index	612-058-00-X
Class'n	Xn: R21/22 C: R34 R43
Label	C
	R21/22, 34, 43
	S(1/2), 26, 36/37/39, 45
	203-865-4
Conc	Conc >= 25% C: R21/22, 34, 43
	Conc >= 10% and < 25% C: R34, 43
	Conc >= 5% and < 10% Xi: R36/38, 43
	Conc >= 1% and < 5% Xi: R43

1,1'-iminodipropan-2-ol

di-isopropanolamine
 CAS 000110-97-4
 Index 603-083-00-7
 Class'n Xi:R36
 Label Xi
 R3.6
 S(2), 26
 203-820-9

**3,3'-iminodi(propylaine)
dipropylenetriamine**

CAS 000056-18-8
 Index 612-063-00-7
 Class'n T+: R26 T: R24 Xn: R22 C: R35 R43
 Label T+, C
 R22, 24, 26, 35, 43
 S(1/2), 26, 28, 36/37/39, 45
 200-261-2

iodine

CAS 007553-56-2
 Index 053-001-00-3
 Class'n Xn: R20/21 N: R50
 Label Xn, N
 R20/21, 50
 S(2), 23, 25, 61
 231-442-4

iodoacetic acid

CAS 000064-69-7
 Index 607-068-00-6
 Class'n T: R25 C: R35
 Label T, C
 R25, 35
 S(1/2), 22, 36/37/39, 45
 200-590-1

• **2-(2-iodoethyl)-1,3-propanediol diacetate**

CAS 127047-77-2
 Index 607-327-00-3
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22, 51/53
 S(2), 36, 61
 411-780-0

iodomethane

methylodide
 CAS 000074-88-4
 Index 602-005-00-9
 Class'n Carc Cat 3: R40 Xn: R21 T: R23/25 Xi: R37/38
 Label T
 R21, 23/25, 37/38, 40
 S(1/2), 36/37, 38, 45
 200-819-5

3-iodopropene

allyliodide
 CAS 000556-56-9
 Index 602-054-00-6
 Class'n R10 C: R34
 Label C
 R10, 34
 S(1/2), 7, 26, 45
 209-130-4

2-(3-iodoprop2-yn-1-yloxy)ethyl phenylcarbamate

CAS 088558-412
 Index 006-090-00-8
 Class'n Xn: R20 Xi: R41 R52, 53
 Label Xn
 R20, 41, 52/53
 S(2), 22, 26, 39, 61
 408-01 0-0

iodoxybenzene

CAS 000696-33-3
 Index 053-003-00-4
 Class'n E: R1
 Label E
 R1
 S(2), 35

■ **ioxynil (ISO)**

4-hydroxy-3,5-diiodobenzene
 CAS 001689-83-4
 Index 608-007-00-6
 Class'n Repr Cat 3: R63 T: R25 Xn: R21 N: R50, 53
 Label T, N
 R21, 25, 50/53, 63
 S(1/2), 36/37, 45, 60, 61
 216-881-1

■ **ioxynil octanoate (ISO)**

4-cyano-2,6-diiodophenyl octanoate
 CAS 003861-47-0
 Index 608-018-00-6
 Class'n Repr Cat 3: R63 Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53, 63
 S(2), 36/37, 60, 61
 223-375-4

iprobenfos

S-benzyl diisopropyl phosphorothioate
 CAS 026087-47-8
 Index 015-127-00-7
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 247-449-0

• **iprodione (ISO)**

3-(3,5-dichlorophenyl)-2,4-dioxo-N-isopropylimidazole-1-carboxamide
 CAS 036734-19-7
 Index 616-054-00-9
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R40, 50/53
 S(2), 36/37, 60, 61
 253-178-9

IPSP

S-ethylsulphinylmethyl O,O-diisopropylphosphorodithioate
 CAS 005827-05-4
 Index 015-128-00-2
 Class'n T+: R27 T: R25
 Label T+
 R25, 27
 S(1/2), 28, 36/37, 45

iron tris(dimethyldithiocarbamate)

ferbam (ISO)
 CAS 014484-64-1
 Index 006-051-00-5
 Class'n Xi: R36/37/38 N: R50, 53
 Label Xi, N
 R36/37/38, 50/53
 S(2), 60, 61
 238-484-2

isazofos

O-(5-chloro-1-isopropyl-1,2,4-triazol-3-yl) O,O-diethyl phosphorothioate
 CAS 042509-80-8
 Index 015-153-00-9
 Class'n T+: R26 T: R24/25 Xn: R48/20 R43 N: R50, 53
 Label T+, N
 R24/25, 26, 43, 48/20, 50/53
 S(1/2), 28, 36/37, 38, 45, 59, 61
 255-863-8

isoamyl methyl ketone

5-methylhexan-2-one
 CAS 000110-12-3
 Index 606-026-00-4
 Class'n R10 Xn: R20
 Label Xn
 R10, 20
 S(2), 23, 24/25
 203-737-8

isobenzan (ISO)

1,3,4,5,6,7,8,8-octachloro-1,3,3a,4,7,7a-hexahydro-4,7-methanoisobenzofuran
 CAS 000297-78-9
 Index 602-053-00-0
 Class'n T+: R27/28 N: R50
 Label T+, N
 R27/28, 50
 S(1/2), 28, 36/37, 45, 61
 206-045-4

isobornyl thiocyanacetate

1,7,7-trimethylbicyclo(2,2,1)hept-2-yl thiocyanatoacetate
 CAS 000115-31-1
 Index 615-015-00-3
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24/25
 204-081-5

isobutane Note C

CAS 000075-28-5
 Index 601-004-00-0 (see Part III)
 Class'n F+: R12
 Label F+
 R12
 S(2), 9, 16
 200-857-2

isobutane (containing >= 0.1% butadiene (EC No 203-450-8)) Notes C and S

CAS 000075-28-5
 Index 601-004-01-8 (see Part III)
 Class'n F+: R12 Carc Cat 1: R45 Muta Cat 2: R46
 Label F+, T
 R45, 46, 12
 S53, 45
 200-857-2

iso-butanol

2-methylpropan-1-ol
 CAS 000078-83-1
 Index 603-108-00-1
 Class'n R10 Xi: R37/38, 41 R67
 Label Xi
 R10, 37/38, 41, 67
 S(2), 7/9, 13, 26, 37/39, 46
 201-148-0

isobutyl acetate Note C

CAS 000110-19-0
 Index 607-026-00-7 (see Part III)
 Class'n F: R11 R66
 Label F
 R11, 66
 S(2), 16, 23, 25, 29, 33
 203-745-1

isobutyl acrylate Note D

CAS 000106-63-8
 Index 607-115-00-0
 Class'n R10 Xn: R20/21 Xi: R38 R43
 Label Xn
 R10, 20/21, 38, 43
 S(2), 9, 24, 37
 203-417-8
 Conc Conc >= 25% Xn: R20/21, 38, 43
 Conc >= 10% and < 25% Xi: R38, 43
 Conc >= 1% and < 10% Xi: R43

isobutyl but-3-enoate

CAS 024342-03-8
 Index 604-033-00-7
 Class'n R10
 Label R10
 S(2)
 401-170-2

isobutyl-(4-(4-chlorophenoxy)phenoxy)propionate
clofop-isobutyl (ISO)

CAS 051337-71-4
 Index 607-160-00-6
 Class'n Xn: R22
 Label Xn
 R22
 S(2)

isobutyl 3,4-epoxybutyrate

CAS 100181-71-3
 Index 607-191-00-5
 Class'n Xi: R38 R43 N: R50, 53
 Label Xi, N
 R38, 43, 50/53
 S(2), 24, 28, 36/37, 60, 61
 401 -920-9

6'-(isobutylethylamino)-3'-methyl-2'-phenylamino-spiro

[isobenzo-2-oxofuran-7,9'-[9H]-xanthene]
 CAS 095235-29-3
 Index 612-154-00-1
 Class'n R53
 Label R53
 S61
 410-890-6

4,4'-isobutylethylidenediphenol

2,2-bis(4'-hydroxyphenyl)-4-methylpentane
 CAS 006807-17-6
 Index 604-024-00-8
 Class'n Repr Cat 2: R60 Xi: R36 N: R50, 53
 Label T, N
 R60, 36, 50/53
 S53, 45, 60, 61
 401-720-1

isobutyl formate Note C

CAS 000542-55-2
 Index 607-017-00-8 (see Part III)
 Class'n F: R11 Xi: R36/37
 Label F, Xi
 R11, 36/37
 S(2), 9, 16, 24, 33
 208-818-1

• mixture of
 isobutyl hydrogen 2- (a- 2,4,6- trimethylnon-2-enyl)
 succinate

and
 isobutyl hydrogen 2- (b -2,4,6-trimethylnon-2-enyl)
 succinate

CAS 141847-13-4
 Index 607-326-00-8 (see Part III)
 Class'n Xi: R41 N: R51, 53
 Label Xi, N
 R41, 51/53
 S(2), 26, 39, 61
 41 0-720-0

• mixture of
 isobutyl hydrogen 2-(-2,4,6-trimethylnon-2-enyl)
 succinate

and
 isobutyl hydrogen 2- (a -2,4,6-trimethylnon-2-enyl)
 succinate

CAS 141847-13-4
 Index 607-326-00-8 (see Part III)
 Class'n Xi: R41 N: R51, 53
 Label Xi, N
 R41, 51/53
 S(2), 26, 39, 61
 410-720-0

isobutylisopropyl dimethoxysilane

CAS 1 11439-76-0
 Index 014-009-00-2
 Class'n R10 Xn: R20 Xi: R38
 Label Xn
 R10, 20, 38
 S(2), 25, 26, 36/37
 402-580-4

isobutyl methacrylate Note D

CAS 000097-86-9
 Index 607-113-00-X
 Class'n R10 Xi: R36/37/38 R43 N: R50
 Label Xi, N
 R10, 36/37/38, 43, 50
 S(2), 24, 37, 61
 202-613-0
 Conc Conc >= 20% Xi: R36/37/38, 43
 Conc >= 1% and < 20% Xi: R43

isobutyl methyl ketone

4-methylpentan-2-one
 CAS 000108-10-1
 Index 606-004-00-4
 Class'n F: R11 Xn: R20 Xi: R36/37 R66
 Label F, Xn
 R11, 20, 36/37, 66
 S(2), 9, 16, 29
 203-550-1

isobutyl nitrite

CAS 000542-56-3
 Index 007-01 7-00-2
 Class'n F: R11 Xn: R20/22
 Label F, Xn
 R11, 20/22
 S(2), 16, 24, 46
 208-819-7

isobutyric acid

CAS 000079-31-2
 Index 607-063-00-9
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2)
 201-195-7

isobutyryl chloride

CAS 000079-30-1
 Index 607-140-00-7
 Class'n F: R11 C: R35
 Label F, C
 R11, 35
 S(1/2), 16, 23, 26, 36, 45
 201-194-1

iso (C10-C14)alkyl(3,5-di-tert-butyl-4-hydroxyphenyl)
methylthioacetate

CAS 118232-72-7
 Index 607-261-00-5
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 404-800-4

o-(p-isocyanatobenzyl)phenyl isocyanate Note C
 CAS 005873-54-1
 Index 615-005-00-9 (see Part III)
 Class'n Xn: R20 Xi: R36/37/38 R42/43
 Label Xn
 R20, 36/37/38 42/43
 S(1/2), 23, 36/37, 45
 227-534-9
 Conc Note 2
 Conc >= 25% Xn: R20, 36/37/38, 42/43
 Conc >= 5% and < 25% Xn: R36/37/38, 42/43
 Conc >= 1% and < 5% Xn: R42/43
 Conc >= 0.1% and < 1% Xn: R42

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

isophorone di-isocyanate
 CAS 004098-71-9
 Index 615-008-00-5
 Class'n T: R23 Xi: R36/37/38 R42/43 N: R51, 53
 Label T, N
 R23, 36/37/38, 42/43, 51/53
 S(1/2), 26, 28, 38, 45, 61
 223-861-6
 Conc Note 2
 Conc >= 20% T: R23, 36/37/38, 42/43
 Conc >= 2% and < 20% T: R23, 42/43
 Conc >= 0.5% and < 2% Xn: R20, 42/43

2-(isocyanatosulfonylmethyl)benzoic acid methyl ester methyl 2-(isocyanatosulfonylmethyl)benzoate

CAS 083056-32-0
 Index 615-023-00-7
 Class'n R10 R14 Muta Cat 3: R68 Xn: R20, 48/22
 Xi: R41 R42
 Label Xn
 R10, 14, 20, 41, 42, 48/22, 68
 S(2), 23, 26, 36/37/39
 410-900-9

4-isocyanatosulphonyltoluene tosyl isocyanate

CAS 004083-64-1
 Index 615-012-00-7
 Class'n R14 Xi: R36/37/38 R42
 Label Xn
 R14, 36/37/38, 42
 S(2), 26, 28, 30
 223-810-8
 Conc Conc >= 5% Xn: R36/37/38, 42
 Conc >= 1% and < 5% Xn: R42

isodrin

(1a,4a,4ab,5b,8b8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene
 CAS 000465-73-6
 Index 602-050-00-4
 Class'n T+: R26/27/28 N: R50, 53
 Label T+, N
 R26/27/28, 50/53
 S(1/2), 13, 28, 45, 60, 61
 207-366-2

isofenphos (ISO)

O-ethyl O-2-isopropoxycarbonylphenyl-isopropylphosphoramidothioate
 CAS 025311-71-1
 Index 015-129-00-8
 Class'n T: R24/25
 Label T
 R24/25
 S(1/2), 36/37, 45
 246-814-1

isolan

1-isopropyl-3-methylpyrazol-5-yl dimethylcarbamate
 CAS 000119-38-0
 Index 006-009-00-6
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 28, 36/37/39, 45
 204-318-2

● mixture of

isomers of: 1,3-dihydroxy-4-[(5-phenylaminosulfonyl)-2-hydroxyphenylazo]-n-[4-(4-nitro-2-sulfophenylamino)phenylazo]benzene (n=2,5,6)

and

isomers of iron (1:2) complexes of a mixture of: isomers of: 1,3-dihydroxy-4-[(5-phenylaminosulfonyl)-2-hydroxyphenylazo]-n-(5-amino-sulfonyl-2-hydroxyphenylazo)benzene (n=2,5,6)

Index 611-097-00-X (see Part III)
 Class'n R53 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 22, 24, 37, 61
 414-150-3

● mixture of

isomers of iron (1:2) complexes of a mixture of: isomers of: 1,3-dihydroxy-4-[(5-phenylaminosulfonyl)-2-hydroxyphenylazo]-n-(5-amino-sulfonyl-2-hydroxyphenylazo)benzene (n=2,5,6)

and

isomers of: 1,3-dihydroxy-4-[(5-phenylaminosulfonyl)-2-hydroxyphenylazo]-n-[4-(4-nitro-2-sulfophenylamino)phenylazo]benzene (n=2,5,6)

Index 611-097-00-X (see Part III)
 Class'n R53 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 22, 24, 37, 61
 414-150-3

isooctyl acrylate

CAS 029590-42-9
 Index 607-244-00-2
 Class'n Xi: R36/37/38 N: R50, 53
 Label Xi, N
 R36/37/38, 50/53
 S(2), 26, 28, 60, 61
 249-707-8
 Conc Conc >= 10% Xi: R36/37/38



isoparaffinic fraction (150/220)

See

petroleum substances

low boiling point modified naphtha

1 064741 -65-7

isopentane Note C

CAS 000078-78-4

Index 601-006-00-1 (see Part 111)

Class'n F+: R12 Xn: R65 R66 R67 N: R51,53

Label F+, Xn, N

R12, 51/53, 65, 66, 67

S(2), 9, 16, 29, 33, 61, 62

Conc 201-142-8

Note4

isopentyl acetate Note C

CAS 000123-92-2

Index 607-130-00-2 (see Part III)

Class'n R10 R66

Label R10, 66

S(2), 23, 25

204-662-3

isopentyl formate Note C

CAS 000110-45-2

Index 607-018-00-3 (see Part III)

Class'n R10 Xi: R36/37

Label Xi

R10, 36/37

S(2) 24

203-769-2

isopentyl propionate Note C

CAS 000105-68-0

Index 607-131-00-8 (see Part III)

Class'n R10

Label R10

S(2), 23, 24

203-322-1

isophorone

3,5,5-trimethylcyclohex-2-enone

CAS 000078-59-1

Index 606-012-00-8

Class'n Carc Cat 3: R40 Xn: R21/22 Xi: R36/37

Label Xn

R21/22, 36/37, 40

S(2), 13, 23, 36/37/39, 46

201-126-0

Conc Conc >= 25% Xn: R21/22, 36/37, 40

Conc >= 10% and < 25% Xn: R36/37, 40

Conc >= 1% and < 10% Xn: R40

isophorone di-isocyanate

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

CAS 004098-71-9

Index 615-008-00-5

Class'n T: R23 Xi: R36/37/38 R42/43 N: R51,53

Label T, N

R23, 36/37/38, 42/43, 51/53

S(1/2), 26, 28, 38, 45, 61

223-861 -6

Conc Note2

Conc >= 20% T: R23, 36/37/38, 42/43

Conc >= 2% and < 20% T: R23, 42/43

Conc >= 0.5% and < 2% Xn: R20, 42/43

isoprene Note D

2-methyl-1,3-butadiene

CAS 000078-79-5

Index 601-014-00-5

Class'n F+: R12 R52, 53

Label F+

R12, 52/53

S(2), 9, 16, 29, 33, 61

201-143-3

isoprocarb (ISO)

2-isopropylphenyl N-methylcarbamate

CAS 002631-40-5

Index 006-053-00-6

Class'n Xn: R22 N: R50, 53

Label Xn, N

R22, 50/53

S(2), 60, 61

220-114-6

isopropanol

propan-2-ol

isopropyl alcohol

CAS 000067-63-0

Index 603-117-00-0

Class'n F: R11 Xi: R36 R67

Label F, Xi

R11, 36, 67

S(2), 7, 16, 24/25, 26

200-661 -7

isopropanolamine

1-aminopropan-2-ol

CAS 000078-96-6

Index 603-082-00-1

Class'n C: R34

Label C

R34

S(1/2), 23, 26, 36, 45

201-162-7

2-isopropox yethanol

ethylene glycol monoisopropyl ether

CAS 000109-59-1

Index 603-013-00-5

Class'n Xn: R20/21 Xi: R36

Label Xn

R20/21, 36

S(2), 24/25

203-685-6

Conc Conc >= 25% Xn: R20/21, 36

Conc >= 20% and < 25% Xi: R36

2-isopropoxyphenyl methylcarbamate
propoxur(ISO)
2-isopropoxyloxyphenyl N-methylcarbamate
CAS 000114-26-1
Index 006-01 6-00-4
Class'n T: R25 N: R50, 53
Label T, N
R25, 50/53
S(1/2), 37, 45, 60, 61
204-043 -8

4-(4-isopropoxyphenylsulfonyl)phenol
CAS 095235-30-6
Index 604-046-00-8
Class'n N: R51, 53
Label N
R51/53
S61
405-520-5

isopropyl acetate Note C
CAS 000108-21-4
Index 607-024-00-6 (see Part III)
Class'n F: R11 Xi: R36 R66 R67
Label F, Xi
R11, 36, 66, 67
S(2), 16, 26, 29, 33
203-561 -1

isopropyl alcohol
propan-2-ol
isopropanol
CAS 000067-63-0
Index 603-117-00-0
Class'n F: R11 Xi: R36 R67
Label F, Xi
R11, 36, 67
S(2), 7, 16, 24/25, 26
200-661 -7

isopropylamine
2-aminopropane
CAS 000075-31-0
Index 612-007-00-1
Class'n F+: R12 Xi: R36/37/38
Label F+, Xi
R12, 36/37/38
S(2), 16, 26, 29
200-860-9

6-isopropylamino-2-methylamino-4-methylthio- 1,3,5-
triazine
desmetryne (ISO)
CAS 001014-69-3
Index 61 3-007-00-4
Class'n Xn: R21/22 N: R50, 53
Label Xn, N
R21/22, 50/53
S(2), 36/37, 60, 61
213-800-1

3-isopropyl-2,1,3-benzothiadiazine-4-one-2,2-dioxide
bentazone (ISO)
CAS 025057-89-0
Index 613-012-00-1
Class'n Xn: R22 Xi: R36 R43 R52, 53
Label Xn
R22, 36, 43, 52/53
S(2), 24, 37, 61
246-585-8

isopropyl chloroacetate
CAS 000105-48-6
Index 607-206-00-5
Class'n R10 T: R25 Xi: R36/37/38
Label T
R10, 25, 36/37/38
S(1/2), 26, 37/39, 45
203-301 -7

isopropyl 3-ethylamino(methoxy)phosphinothioxyloxy)
isocrotonate
propetamphos (ISO)
CAS 031218-83-4
Index 015-1 36-00-6
Class'n T: R25
Label T
R25
S(1/2), 37, 45
250-51 7-2

isopropyl formate Note C
CAS 000625-55-8
Index 607-016-00-2 (see Part III)
Class'n F: R11 Xi: R36/37 R67
Label F, Xi
R11, 36/37, 67
S(2), 9, 16, 24, 33
210-901-2

4,4'-isopropylidenediphenol
CAS 000080-05-7
Index 604-030-00-0
Class'n Xi: R36/37/38 R43
Label Xi
R36/37/38, 43
S(2), 24, 26, 37
201-245-8

• 2-isopropyl-2-(1-methylbutyl)-1,3-dimethoxypropane
CAS 129228-11-1
Index 603-145-00-3
Class'n Xi: R38 N: R51, 53
Label Xi, N
R38, 51/53
S(2), 36/37, 61
406-970-5

2-isopropyl-5-methylcyclohexyloxycarbonyloxy-2-
hydroxypropane
CAS 156324-82-2
Index 607-271-00-X
Class'n Xi: R36 N: R51, 53
Label Xi, N
R36, 51/53
S(2), 26, 61
417-420-9

2-isopropyl-5-methylphenol

thymol
 CAS 000089-83-8
 Index 604-032-00-1
 Class'n Xn: R22 C: R34 N: R51,53
 Label C, N
 R22, 34, 51/53
 S(1/2), 26, 28, 36/37/39, 45, 61
 201-944-8

3-isopropyl-5-methylphenyl N-methylcarbamate promecarb (ISO)

CAS 002631-37-0
 Index 006-037-00-9
 Class'n T: R25 N: R50,53
 Label T,N
 R25, 50/53
 S(1/2), 24, 37, 45, 60, 61
 220-113-0

1-isopropyl-3-methylpyrazol-5-yl dimethylcarbamate

isolan
 CAS 000119-38-0
 Index 006-009-00-6
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 28, 36/37/39, 45
 204-318-2

2-isopropoxyphenyl N-methylcarbamate

propoxur (ISO)
 2-isopropoxyphenyl methylcarbamate
 CAS 000114-26-1
 Index 006-016-00-4
 Class'n T: R25 N: R50,53
 Label T,N
 R25, 50/53
 S(1/2), 37, 45, 60, 61
 204-043-8

3-(4-isopropylphenyl)-1,1-dimethylurea

isoproturon
 CAS 034123-59-6
 Index 006-044-00-7
 Class'n Carc Cat 3: R40 Xn: R22 N: R50,53
 Label Xn, N
 R22, 40, 50/53
 S(2), 36/37, 60, 61
 251-835-4

2-isopropylphenyl N-methylcarbamate

isoprocarb (ISO)
 CAS 002631-40-5
 Index 006-053-00-6
 Class'n Xn: R22 N: R50,53
 Label Xn,N
 R22, 50/53
 S(2), 60, 61
 220-114-6

N-isopropyl-N'-phenyl-p-phenylenediamine

CAS 000101-72-4
 Index 612-136-00-3
 Class'n Xn: R22 R43 N: R50,53
 Label Xn, N
 R22, 43, 50/53
 S(2), 24, 37, 60, 61
 202-969-7
 Conc Conc >= 25% Xn: R22,43
 Conc >= 0.1% and < 25% Xi: R43

isopropyl propionate

CAS 000637-78-5
 Index 607-257-00-3
 Class'n F: R11
 Label F
 R11
 S(2), 16, 23, 24, 29, 33
 211-300-8

S-[2-(isopropylsulphonyl)ethyl] OO-dimethyl phosphorothioate

CAS 002635-50-9
 Index 015-075-00-5
 Class'n T: R23/24/25
 Label T
 R23/24/25
 S(1/2), 13, 45

S-2-isopropylthioethyl O,O-dimethyl phosphorodithioate isothioate (ISO)

CAS 036614-38-7
 Index 015-130-00-3
 Class'n T: R24/25
 Label T
 R24/25
 S(1/2), 28, 36/37, 45

isoproturon

3-(4-isopropylphenyl)-1,1-dimethylurea
 CAS 034123-59-6
 Index 006-044-00-7
 Class'n Carc Cat 3: R40 Xn: R22 N: R50,53
 Label Xn, N
 R22, 40, 50/53
 S(2), 36/37, 60, 61
 251-835-4

isothioate (ISO)

S-2-isopropylthioethyl O,O-dimethyl phosphorodithioate
 CAS 036614-38-7
 Index 015-130-00-3
 Class'n T: R24/25
 Label T
 R24/25
 S(1/2), 28, 36/37, 45

- mixture of
isotridecylammonium bis(di-(4-methylpent-2-yloxy)
thiophosphorothionylisopropyl)phosphate
and
bis(isotridecylammonium)mono(di-(4-methylpent-2-
yloxy)thiophosphorothionylisopropyl)phosphate
Index 015-172-00-2 (see Part III)
Class'n R10 C: R34 N: R51, 53
Label C,N
R10, 34, 51/53
S(1/2), 23, 26, 28, 36/37/39, 45, 61
406-240-6

- isoxaflutole (ISO)
5-cyclopropyl-1,2-oxazol-4-yl a,a,a-trifluoro-2-mesyl-p-tolyl
ketone
CAS 141112-29-0
Index 606-054-00-7
Class'n ReprCat3: R63 N: R50, 53
Label Xn,N
R50/53, 63
S(2), 36/37, 60, 61

isoxathion (ISO)

- O,O-diethyl O-5-phenylisoxazol-3-ylphosphorothioate
CAS 018854-01-8
Index 015-131-00-9
Class'n T: R24/25
Label T
R24/25
S(1/2), 28, 36/37, 45
242-624-8

kelevan (ISO)

- ethyl 5-(perchloro-5-hydroxypentacyclo[5,3,0,0.2.6,0.3.9,0.4.8]-
decan-5-yl)-4-oxopentanoate
ethyl 5-(1,2,3,5,6,7,8,9,10,10-decachloro-4-hydroxypentacyclo(5,
2,1,0.2.6,0.3.9,0.5.8)dec4yl)-4-oxovalerate
CAS 004234-79-1
Index 607-079-00-6
Class'n T: R24 Xn: R22 N: R51, 53
Label T,N
R22, 24, 51/53
S(1/2), 36/37, 45, 61

• kresoxim-methyl (ISO)

- methyl(E)-2-methoxyimino-[2-(o-tolylloxymethyl)phenyl]acetate
CAS 143390-89-0
Index 607-310-00-0
Class'n Carc Cat 3: R40 N: R50, 53
Label Xn,N
R40, 50/53
S(2), 36/37, 60, 61

- mixture of
lactic acid { 1 part of}
and
7-[4-(3-diethylaminopropylamino)-6-(3-
diethylammoniopropylamino)-1,3,5-triazin-2-ylamino]
-4-hydroxy-3-(4-phenylazophenylazo)-naphthalene-2-
sulfonate { 2 parts of}
and
acetic acid { 1 part of}
CAS 1 18658-98-3
Index 611-049-00-8 (see Part III)
Class'n Xn: R48/22 R43 R52,53
Label Xn
R43, 48/22, 52/53
S(2), 22, 36/37, 61
408-000-6

lambda-cyhalothrin (ISO)

- (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-
trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and
(R)-a-cyano-3-phenoxybenzyl(Z)-(1S)-cis-3-(2-chloro-3,3,3-
trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate, 1:1
mixture of
CAS 091465-08-6
Index 607-252-00-6
Class'n T+: R26 T R25 Xn: R21 N: R50, 53
Label T+,N
R21, 25, 26, 50/53
S(1/2), 28, 36/37/39, 38, 45, 60, 61
415-130-7

lead acetate Note E

- lead acetate, basic
CAS 001335-32-6
Index 082-007-00-9
Class'n Carc Cat 3: R40 Repr Cat 1: R61 Repr Cat 3:
R62 Xn: R48/22 R33 N: R50, 53
Label T,N
R61, 33, 40, 48/22, 50/53, 62
S53, 45, 60, 61
215-630-3
Conc Note 1

lead acetate, basic Note E

- lead acetate
CAS 001335-32-6
Index 082-007-00-9
Class'n Carc Cat 3: R40 Repr Cat 1: R61 Repr Cat 3:
R62 Xn: R48/22 R33 N: R50, 53
Label T, N
R61, 33, 40, 48/22, 50/53, 62
S53, 45, 60, 61
215-630-3
Conc Note 1

lead alkyls Notes A and E

- Index 082-002-00-1
Class'n Repr Cat 1: R61 Repr Cat 3: R62 T+:
R26/27/28 R33 N: R50, 53
Label T+,N
R61, 26/27/28, 33, 50/53, 62
S53, 45, 60, 61
Conc Note 1
Conc >= 5% T+: R61, 26/27/28, 33, 62
Conc >= 0.5% and < 5% T+: R61, 26/27/28, 33
Conc >= 0.1% and < 0.5% T: R61, 23/24/25, 33
Conc >= 0.05% and < 0.1% Xn: R20/21/22, 33



lead azide Note E

lead diazide

CAS 013424-46-9
 Index 082-003-00-7
 Class'n E: R3 ReprCat 1: R61 ReprCat 3: R62 Xn:
 R20/22 R33 N: R50, 53
 Label E, T, N
 R61, 3, 20/22, 33, 50/53, 62
 S53, 45, 60, 61
 236-542-1
 Conc Note 1

lead chromate

CAS 007758-97-6
 Index 082-004-00-2
 Class'n Carc Cat 3: R40 ReprCat 1: R61 ReprCat 3:
 R62 R33 N: R50, 53
 Label T, N
 R61, 33, 40, 50/53, 62
 S53, 45, 60, 61
 231-846-0
 Conc Note 1

lead chromate molybdate sulfate red

C.I. Pigment Red 104

CAS 012656-85-8
 Index 082-010-00-5
 Class'n Carc Cat 3: R40 ReprCat 1: R61 ReprCat 3:
 R62 R33 N: R50, 53
 Label T, N
 R61, 33, 40, 50/53, 62
 S53, 45, 60, 61
 235-759-9
 Conc Note 1

lead compounds with the exception of those specified

elsewhere in the Approved Supply List Notes A and E

Index 082-001-00-6
 Class'n ReprCat 1: R61 ReprCat 3: R62 Xn: R20/22
 R33 N: R50, 53
 Label T, N
 R61, 20/22, 33, 50/53, 62
 S53, 45, 60, 61
 Conc Note 1
 Conc >= 5% T: R61, 20/22, 33, 62
 Conc >= 1% and < 5% T: R61, 20/22, 33
 Conc >= 0.5% and < 1% T R61, 33

lead di(acetate) Note E

CAS 000301-04-2
 Index 082-005-00-8
 Class'n ReprCat 1: R61 ReprCat 3: R62 Xn: R48/22
 R33 N: R50, 53
 Label T, N
 R61, 33, 48/22, 50/53, 62
 S53, 45, 60, 61
 206-104-4
 Conc Note 1

lead diazide Note E

leadazide

CAS 013424-46-9
 Index 082-003-00-7
 Class'n E: R3 ReprCat 1: R61 ReprCat 3: R62 Xn:
 R20/22 R33 N: R50, 53
 Label E, T, N
 R61, 3, 20/22, 33, 50/53, 62
 S53, 45, 60, 61
 236-542-1
 Conc Note 1

■ lead hexafluorosilicate Note E

CAS 025808-74-6
 Index 009-014-00-1
 Class'n ReprCat 1: R61 ReprCat 3: R62 Xn: R20/22
 R33 N: R50, 53
 Label T, N
 R61, 62, 20/22, 33, 50/53
 S53, 45, 60, 61
 247-278-1
 Conc Note 1

lead hydrogen arsenate Note E

CAS 007784-40-9
 Index 082-011-00-0
 Class'n Carc Cat 1: R45 ReprCat 1: R61 ReprCat 3:
 R62 T: R23/25 R33 N: R50, 53
 Label T, N
 R45, 61, 23/25, 33, 50/53, 62
 S53, 45, 60, 61
 232-064-2
 Conc Note 1

lead(II) methanesulphonate Note E

CAS 017570-76-2
 Index 082-008-00-4
 Class'n ReprCat 1: R61 ReprCat 3: R62 Xn: R20/22.
 48120122 Xi: R38, 41 N: R58 R33
 Label T, N
 R61, 62, 20/22, 33, 38, 41, 48/20/22, 58
 S53, 45, 57, 61
 401-750-5
 Conc Note 1

lead styphnate Note E

lead 2,4,6-trinitro-m-phenylene dioxide
 lead 2,4,6-trinitroresorcin oxide
 CAS 015245-44-0
 Index 609-019-00-4
 Class'n E: R3 ReprCat 1: R61 ReprCat 3: R62 Xn:
 R20/22 R33, N: R50, 53
 Label E, T, N
 R61, 3, 20/22, 33, 50/53, 62
 S53, 45, 60, 61
 239-290-0,
 Conc Note 1

lead sulfochromate yellow

C.I. Pigment Yellow 34
 CAS 001344-37-2
 Index 082-009-00-X
 Class'n Carc Cat 3: R40 Repr Cat 1: R61 Repr Cat 3:
 R62 R33 N:R50, 53
 Label T, N
 R61, 33, 40, 50/53 62
 S53, 45, 60, 61
 215-693-7
 Conc Note 1

lead 2,4,6-trinitro-m-phenylene dioxide Note E

lead 2,4,6-trinitroresorcinoxide
 lead styphnate
 CAS 015245-44-0
 Index 609-019-00-4
 Class'n E: R3 ReprCat 1: R61 ReprCat 3: R62 Xn:
 R20/22 R33 N: R50, 53
 Label E, T, N
 R61, 3, 20/22, 33, 50/53, 62
 S53, 45, 60, 61
 239-290-0
 Conc Note 1

lead 2,4,6-trinitroresorcinoxide Note E

lead 2,4,6-trinitro-m-phenylenedioxide
 lead styphnate
 CAS 015245-44-0
 Index 609-019-00-4
 Class'n E: R3 ReprCat 1: R61 ReprCat 3: R62 Xn:
 R20/22 R33 N:R50, 53
 Label E, T, N
 R61, 3, 20/22, 33, 50/53, 62
 S53, 45, 60, 61
 239-290-0
 Conc Note 1

leptophos (ISO)

O-4-bromo-2,5-dichlorophenyl O-methyl phenylphosphorothioate
 CAS 021609-90-5
 Index 015-093-00-3
 Class'n T: R25, 39/25 Xn: R21 N: R50, 53
 Label T, N
 R21, 25, 39/25, 50/53
 S(1/2), 25, 36/37/39, 45, 60, 61
 244-472-8

limonene Note C

dipentene
 (R)-p-mentha-1,8-diene
 d-limonene
 (S)-p-mentha-1,8-diene
 l-limonene
 trans-1-methyl-4-(1-methylvinyl)cyclohexene
 (+)-1-methyl-4-(1-methylvinyl)cyclohexene
 CAS 000138-86-3
 Index 601-029-00-7
 Class'n R10 Xi: R38 R43 N: R50, 53
 Label Xi, N
 R10, 38, 43, 50/53
 S(2), 24, 37, 60, 61
 205-341-0

1-limonene Note C

dipentene
 limonene
 (R)-p-mentha-1,8-diene
 d-limonene
 (S)-p-mentha-1,8-diene
 trans-1-methyl-4-(1-methylvinyl)cyclohexene
 (+)-1-methyl-4-(1-methylvinyl)cyclohexene
 CAS 005989-54-8
 Index 601-029-00-7
 Class'n R10 Xi: R38 R43 N: R50, 53
 Label Xi, N
 R10, 38, 43, 50/53
 S(2), 24, 37, 60 61
 227-815-6

lindane

γ-BHC
 γ-1,2,3,4,5,6-hexachlorocyclohexane
 CAS 000058-89-9
 Index 602-043-00-6
 Class'n T: R23/24/25 Xi: R36/38 N: R50, 53
 Label T, N
 R23/24/25, 36/38, 50/53
 S(1/2), 13, 45, 60, 61
 200-401-2

linuron (ISO)

3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea
 CAS 000330-55-2
 Index 006-021-00-1
 Class'n Carc Cat 3: R40 Xn: R22, 48/22 N: R50, 53
 Label Xn, N
 R22, 40, 48/22, 50/53
 S(2), 36/37, 60, 61
 206-356-5

lithium

CAS 007439-93-2
 Index 003-001-00-4
 Class'n F: R14/15 C: R34
 Label F, C
 R14/15, 34
 S(1/2), 8, 43, 45
 231-102-5

• lithium 1-amino-4-(4-tert-butylanilino)anthraquinone-2-sulfonate

CAS 125328-86-1
 Index 612-173-00-5
 Class'n Xi: R41 R43 N: R51, 53
 Label Xi, N
 R41, 43, 51/53
 S(2), 22, 26, 36/37/39, 61
 411-140-0

lithium methanolate

sodium methanolate
 potassium methanolate
 sodium methoxide
 potassium methoxide
 lithium methoxide
 CAS 000865-34-9

Index 603-040-00-2

Class'n F: R11 C: R34 R14

Label F, C
 R11, 14, 34
 S(1/2), 8, 16, 26, 43, 45
 212-737-7

lithium methoxide

sodium methanolate
 potassium methanolate
 lithium methanolate
 sodium methoxide

potassium methoxide

CAS 000865-34-9

Index 603-040-00-2

Class'n F: R11 C: R34 R14

Label F, C
 R11, 14, 34
 S(1/2), 8, 16, 26, 43, 45
 212-737-7

● **lithium 3-oxo-1,2(2H)-benzothiazol-2-ide**

CAS 111337-53-2

Index 613-179-00-0

Class'n Xn: R22 C: R34 R43 N: R51, 53

Label C, N
 R22, 34, 43, 51/53
 S(1/2), 26, 36/37/39, 45, 61
 411-690-1

mixture of

lithium 3,3'-(1,4-phenylenebis(carbonylimino-3,1-propanediylimino))bis(10-amino-6,13-dichloro)-4,11-triphenodioxazinedisulfonate { 1 part of }

and

sodium 3,3'-(1,4-phenylenebis(carbonylimino-3,1-propanediylimino))bis(10-amino-6,13-dichloro)-4,11-triphenodioxazinedisulfonate { 9 parts of }

CAS 136213-76-8

Index 607-284-00-0 (see Part III)

Class'n N: R51, 53

Label N
 R51/53
 S61
 410-040-4

lithium sodium hydrogen 4-amino-6-(5-(5-chloro-2,6-difluoropyrimidin-4-ylamino)-2-sulphonatophenylazo)-5-hydroxy-3-(4-(2-(sulphonatoxy)ethylsulphonyl)phenylazo)naphthalene-2,7-disulphonate

CAS 108624-00-6

Index 016-045-00-4

Class'n R43

Label Xi
 R43
 S(2), 22, 24, 37
 401-560-2

magnesium alkyls Note A

Index 012-003-00-4

Class'n R14 F: R17 C: R34

Label F, C
 R14, 17, 34
 S(1/2), 16, 43, 45

1 magnesium bis((R)-2-(2,4-dichlorophenoxy)propionate)

Index 607-348-00-8

Class'n Xn: R22 Xi: R38, 41 R43

Label Xn
 R22, 38, 41, 43
 S(2), 22, 26, 36/37/39
 413-360-2

magnesium hexafluorosilicate

CAS 016949-65-8

Index 009-018-00-3

Class'n T R25

Label T
 R25
 S(1/2), 24/25, 45
 241-022-2

Conc Conc >= 10% T: R25
 Conc >= 1% and < 10% Xn: R22

■ **magnesium phosphide**

trimagnesium diphosphide

CAS 012057-74-8

Index 015-005-00-3

Class'n F: R15/29 T+: R28 N: R50

Label F, T+, N
 R15/29, 28, 50
 S(1/2), 22, 43, 45, 61
 235-023-7

magnesium powder (pyrophoric)

CAS 007439-95-4

Index 012-001-00-3

Class'n F: R15, 17

Label F
 R15, 17
 S(2), 7/8, 43
 231-104-6

magnesium, powder or turnings

Index 012-002-00-9

Class'n F: R11, 15

Label F
 R11, 15
 S(2), 7/8, 43
 231-104-6

malathion (ISO)

1,2-bis(ethoxycarbonyl) ethyl O,O-dimethyl phosphorodithioate

CAS 000121-75-5

Index 015-041-00-X

Class'n Xn: R22

Label Xn
 R22
 S(2), 24
 204-497-7

maleic acid

CAS 000110-16-7
 Index 607-095-00-3
 Class'n Xn: R22 Xi: R36/37/38
 Label Xn
 R22, 36/37/38
 S(2), 26, 28, 37
 203-742-5

maleic anhydride

CAS 000108-31-6
 Index 607-096-00-9
 Class'n Xn: R22 C: R34 R42/43
 Label C
 R22, 34, 42/43
 S(2), 22, 26, 36/37/39, 45
 203-571 -6

malononitrile

CAS 000109-77-3
 Index 608-009-00-7
 Class'n T: R23/24/25 N: R50, 53
 Label T,N
 R23/24/25, 50/53
 31/21, 23, 27, 45, 60, 61
 203-703-2

mancozeb

CAS 008018-01-7
 Index 006-076-00-1
 Class'n Xi: R37 R43
 Label Xi
 R37, 43
 S(2), 8, 24/25, 46

maneb

CAS 01 2427-38-2
 Index 006-077-00-7
 Class'n Xi: R37 R43
 Label Xi
 R37, 43
 S(2), 8, 24/25 46
 235-654-8

manganese dioxide

CAS 001313-13-9
 Index 025-001 -00-3
 Class'n Xn: R20/22
 Label Xn
 R20/22
 S(2), 25
 215-202-6

manganese sulphate

CAS 007785-87-7
 Index 025-003-00-4
 Class'n Xn: R48/20/22 N: R51, 53
 Label Xn,N
 R48/20/22, 51/53
 S(2), 22, 61
 232-089-9

mannitol hexanitrate

nitromannite
 CAS 01 5825-70-4
 Index 603-036-00-0
 Class'n E: R3
 Label E
 R3
 S(2), 35
 239-924-6

MCPA (ISO)

4-chloro-o-tolyloxyacetic acid
 CAS 000094-74-6
 Index 607-051 -00-3
 Class'n Xn: R22 Xi: R38, 41
 Label Xn
 R22, 38, 41
 S(2), 26, 37, 39
 202 -360-6

MCPA, salts and esters of Note A

Index 607-052-00-9
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2),13

MCPB (ISO)

4-(4-chloro-o-tolyloxy)butyric acid
 CAS 000094-81 -5
 Index 607-053-00-4
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24/25
 202-365-3

MCPB, salts and esters of Note A

Index 607-054-00-X
 Class'n Xn: R22
 Label Xn
 R22
 S(2). 24/25

mecarbam (ISO)

N-ethoxycarbonyl-N-methylcarbamoylmethyl O,O-diethyl
 phosphorodithioate
 CAS 002595-54-2
 Index 015-045-00-1
 Class'n T: R24/25 N: R50, 53
 Label T,N
 R24/25, 50/53
 S(1/2), 36/37, 45, 60, 61
 219-993-9

mecoprop (ISO)

2-(4-chloro-o-tolyloxy) propionic acid
 CAS 000093-65-2
 Index 607-049-00-2
 Class'n Xn: R22 Xi: R38,41
 Label Xn
 R22, 38, 41
 S(2), 26, 37/39
 202-264-4



mecoprop, salts of Note A

Index 607-050-00-8
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2), 13

mecrilate

methyl 2-cyanoacrylate
 CAS 000137-05-3
 Index 607-235-00-3
 Class'n Xi: R36/37/38
 Label Xi
 R36/37/38
 S(2), 23, 24/25, 26
 205-275-2
 Conc Conc >= 10% Xi: R36/37/38

medinoterb acetate (ISO)

6-tert-butyl-3-methyl-2,4-dinitrophenyl acetate
 CAS 002487-01-6
 index 607-166-00-9
 Class'n T: R25 Xn: R21
 Label T
 R21, 25
 S(1/2), 36/37, 45
 219-634-6

mefenacet

2-(benzothiazol-2-yloxy)-N-methyl-N-phenylacetamide
 CAS 073250-68-7
 Index 612-139-00-X
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 277-328-8

mefenoxam

metalaxyl-M(ISO)
 (R)-2-[(2,6-dimethylphenyl)-methoxyacetylamino]propionic acid
 methyl ester
 CAS 070630-17-0
 Index 612-163-00-0
 Class'n Xn:R22 Xi:R41
 Label Xn
 R22, 41
 S(2), 26, 39, 46

menazon

S-(4,6-diamino-1,3,5-triazin-2-ylmethyl) OO-dimethyl
 phosphorodithioate
 CAS 000078-57-9
 Index 015-053-00-5
 Class'n Xn: R22 R: 52, 53
 Label Xn
 R22, 52/53
 S(2), 61
 201-123-4

(R)-p-mentha-1,8-diene Note C

dipentene
 limonene
 d-limonene
 (S)-p-mentha-1,8-diene
 l-limonene
 trans-1-methyl-4-(1-methylvinyl)cyclohexene
 (+)-1-methyl-4-(1-methylvinyl)cyclohexene
 CAS 005989-27-5
 Index 601-029-00-7
 Class'n R10 Xi: R38 R43 N: R50, 53
 Label Xi, N
 R10, 38, 43, 50/53
 S(2), 24, 37, 60, 61
 227-813-5

(S)-p-mentha-1,8-diene Note C

dipentene
 limonene
 (R)-p-mentha-1,8-diene
 d-limonene
 l-limonene
 trans-1-methyl-4-(1-methylvinyl)cyclohexene
 (-)-1-methyl-4-(1-methylvinyl)cyclohexene
 CAS 005989-54-8
 Index 601-029-00-7
 Class'n R10 Xi: R38 R43 N: R50, 53
 Label Xi, N
 R10, 38, 43, 50/53
 S(2), 24, 37, 60, 61
 227-815-6

m-mentha-1,3(8)-diene

CAS 017092-80-7
 Index 601-047-00-5
 Class'n Xi: R38 N: R51, 53
 Label Xi, N
 R38, 51/53
 S(2), 37, 61
 404-150-1

p-menthane hydroperoxide

8-pmenthyl hydroperoxide
 CAS 000080-47-7
 Index 617-012-00-2
 Class'n O: R7 C: R34 Xn: R20
 Label O, C
 R7, 20, 34
 S(1/2), 3/7, 14, 36/37/39, 45
 201-281-4
 Conc Conc >= 25% C: R20, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

8-p-menthyl hydroperoxide

p-menthane hydroperoxide
 CAS 000080-47-7
 Index 617-012-00-2
 Class'n O: R7 C: R34 Xn: R20
 Label o, c
 R7, 20, 34
 S(1/2), 3/7, 14, 36/37/39, 45
 201-281-4
 Conc Conc >= 25% C: R20, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

mephosfolan (ISO)

diethyl 4-methyl-1,3-dithiolan-2-ylidene phosphoramidate
 CAS 000950-10-7
 Index 015-094-00-9
 Class'n T+: R27/28 N: R51, 53
 Label T+, N
 R27/28, 51/53
 S(1/2), 36/37/39, 45, 61
 213-447-3

mepiquat chloride

1,1-dimethylpiperidium chloride
 CAS 024307-26-4
 Index 613-127-00-7
 Class'n Xn: R22 R52, 53
 Label Xn
 R22, 52/53
 S(2), 61
 246-147-6

mequinol

4-methoxyphenol
 hydroquinone monomethyl ether
 CAS 000150-76-5
 Index 604-044-00-7
 Class'n Xn: R22 Xi: R36 R43
 Label Xn
 R22, 36, 43
 S(2), 24/25, 26, 37/39, 46
 205-769-8

mercaptodimethur (ISO)

methiocarb
 3,5-dimethyl-4-methylthiophenyl N-methylcarbamate
 CAS 002032-65-7
 Index 006-023-00-2
 Class'n T: R25 N: R50, 53
 Label T, N
 R25, 50/53
 S(1/2), 22, 37, 45, 60, 61
 217-991-2

mercuric chloride

mercury dichloride
 CAS 007487-94-7
 Index 080-010-00-X
 Class'n T+: R28 T: R48/24/25 C: R34 N: R50, 53
 Label T+, N
 R28, 34, 48/24/25, 50/53
 S(1/2), 36/37/39, 45, 60, 61
 231-299-8

mercuric fulminate

mercury difulminate
 fulminate of mercury
 CAS 000628-86-4
 Index 080-005-00-2
 Class'n E: R3 T: R23/24/25 R33 N: R50, 53
 Label E, T, N
 R3, 23/24/25, 33, 50/53
 S(1/2), 3, 35, 45, 60, 61
 211-057-8

mercuric oxycyanide

dimercury dicyanide oxide
 CAS 001335-31-5
 Index 080-006-00-8
 Class'n E: R3 T: R23/24/25 R33 N: R50, 53
 Label E, T, N
 R3, 23/24/25, 33, 50/53
 S(1/2), 28, 35, 45, 60, 61
 215-629-8

mercurous chloride

dimercury dichloride
 calomel
 CAS 010112-91-1
 Index 080-003-00-1
 Class'n Xn: R22 Xi: R36/37/38 N: R50, 53
 Label Xn, N
 R22, 36/37/38, 50/53
 S(2), 13, 24/25, 46, 60, 61
 233-307-5

mercury

CAS 007439-97-6
 Index 080-001-00-0
 Class'n T: R23 R33 N: R50, 53
 Label T, N
 R23, 33, 50/53
 S(1/2), 7, 45, 60, 61
 231-106-7

mercury dichloride

mercuric chloride
 CAS 007487-94-7
 Index 080-010-00-X
 Class'n T+: R28 T: R48/24/25 C: R34 N: R50, 53
 Label T+, N
 R28, 34, 48/24/25, 50/53
 S(1/2), 36/37/39, 45, 60, 61
 231-299-8

mercury difulminate

mercuric fulminate
 fulminate of mercury
 CAS 000628-86-4
 Index 080-005-00-2
 Class'n E: R3 T: R23/24/25 R33 N: R50, 53
 Label E, T, N
 R3, 23/24/25, 33, 50/53
 S(1/2), 3, 35, 45, 60, 61
 211-057-8

mercury, inorganic compounds of, with the exception of mercuric sulphide and those specified elsewhere in the Approved Supply List Note A

Index 080-002-00-6
 Class'n T+: R26/27/28 R33 N: R50, 53
 Label T+, N
 R26/27/28, 33, 50/53
 S(1/2), 13, 28, 45, 60, 61
 Conc Note 1
 Conc >= 2% T+: R26/27/28, 33
 Conc >= 0.5% and < 2% T: R23/24/25, 33
 Conc >= 0.1% and < 0.5% Xn: R20/21/22, 33

mercury, organic compounds of, with the exception of those specified elsewhere in the Approved Supply List
Note A

Index 080-004-00-7
 Class'n T+: R26/27/28 R33 N: R50,53
 Label T+, N
 R26/27/28, 33, 50/53
 S(1/2), 13, 28, 36, 45, 60, 61
 Conc Note 1
 Conc >= 1% T+: R26/27/28, 33
 Conc >= 0.5% and < 1% T: R23/24/25, 33
 Conc >= 0.05% and < 0.5% Xn: R20/21/22, 33

mesitylene

1,3,5-trimethylbenzene
 CAS 000108-67-8
 Index 601-025-00-5
 Class'n R10 Xi: R37 N: R51,53
 Label Xi, N
 R10, 37, 51/53
 S(2),61
 203-604-4
 Conc Conc >= 25% Xi: R37

mesityl oxide

4-methylpent-3-en-2-one
 CAS 000141-79-7
 Index 606-009-00-1
 Class'n R10 Xn: R20/21/22
 Label Xn
 R10, 20/21/22
 S(2), 25
 205-502-5
 Conc Conc >= 5% Xn: R20/21/22

1-(3-mesyloxy-5-trityloxymethyl-2-D-threofuryl)thymine

CAS 104218-44-2
 Index 613-151-00-8
 Class'n R53
 Label R53
 S61
 406-360-9

• metalaxyl-M (ISO)

mefenoxam
 (R)-2-[(2,6-dimethylphenyl)-methoxyacetylamino]propionic acid
 methylester
 CAS 070630-17-0
 Index 612-163-00-0
 Class'n Xn:R22 Xi:R41
 Label Xn
 R22,41
 S(2), 26, 39, 46

metaldehyde

2,4,6,8-tetramethyl-1,3,5,7-tetraoxacyclotane
 CAS 000108-62-3
 Index 605-005-00-7
 Class'n R10 Xn:R22
 Label Xn
 R10,22
 S(2), 13, 25, 46
 203-600-2

metamitron

4-amino-3-methyl-6-phenyl-1,2,4-triazin-5-one
 CAS 041394-05-2
 Index 613-129-00-8
 Class'n Xn: R22 N: R50,53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 255-349-3

metam-sodium (ISO)

sodium methyldithiocarbamate
 CAS 000137-42-8
 Index 006-013-00-8
 Class'n Xn: R22 R31 C: R34 R43 N: R50,53
 Label C, N
 R22, 31, 34, 43, 50/53
 S(1/2), 26, 36/37/39 45, 60, 61
 205-293-0

metanilic acid

3-aminobenzene sulphonic acid
 CAS 000121-47-1
 Index 612-013-00-4
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2), 25, 28
 204-473-6

methabenzthiazuron (ISO)

1-(1,3-bcnzothiazol-2-yl)l,3-dimethylurea
 CAS 018691-97-9
 Index 613-137-00-1
 Class'n N: R50,53
 Label N
 R50/53
 S60,61
 242-505-0

methacrifos (ISO)

CAS 062610-77-9
 Index 015-156-00-5 (see Part III)
 Class'n Xn: R22 R43 N: R50,53
 Label Xn, N
 R22, 43, 50/53
 S(2), 36/37, 60, 61

- mixture of
methacrylamide
and
N-[3-hydroxy-2-(2-methylacryloylaminomethoxy)
propoxymethyl]-2-methylacrylamide
and
N-[2,3-bis-(2-methylacryloylaminomethoxy)
propoxymethyl]-2-methylacrylamide
and
2-methyl-N-(2-methylacryloylaminomethoxymethyl)-
acrylamide
and
N-(2,3-dihydroxypropoxymethyl)-2-methylacrylamide
Index 616-057-00-5 (see Part III)
Class'n Carc Cat 2: R45 Muta Cat 3: R68 Xn: R48/22
Label T
R45, 48/22
S53, 45
41 2-790-8

- methacrylic acid Note D
2-methylpropenoic acid
CAS 000079-41-4
Index 607-088-00-5
Class'n Xn: R21/22 C: R35
Label C
R21/22, 35
S(1/2), 26, 36/37/39, 45
201-204-4
Conc Conc >= 25% C: R21/22, 35
Conc >= 10% and < 25% C: R35
Conc >= 5% and < 10% C: R34
Conc >= 1% and < 5% Xi: R36/37/38

- methacrylonitrile Note D
2-methyl-2-propene nitrile
CAS 0001 26-98-7
Index 608-010-00-2
Class'n F: R11 T: R23/24/25 R43 N: R51, 53
Label F, T, N
R11, 23/24/25, 43, 51/53
S(1/2), 9, 16, 18, 29, 45, 61
204-817-5
Conc Conc >= 1% T: R23/24/25, 43
Conc >= 0.2% and < 1% Xn: R20/21/22, 43

- mixture of
2-methacryloyloxyethyl hydrogen cyclohexane-1,2-
dicarboxylate
and
2-acryloyloxyethyl hydrogen cyclohexane-1,2-
dicarboxylate
Index 607-226-00-4 (see Part III)
Class'n Xi: R38, 41 R43 R52, 53
Label Xi
R38, 41, 43, 52/53
S(2), 24, 26, 37/39, 61
405-360-6

- methamidophos (ISO)
O,S-dimethyl phosphoramidothioate
CAS 010265-92-6
Index 015-095-00-4
Class'n T+: R28 T: R24 Xi: R36 N: R50
Label T+, N
R24, 28, 36, 50
S(1/2), 22, 28, 36/37, 45, 61
233-606-0

- methane
CAS 000074-82-8
Index 601-001-00-4
Class'n F+: R12
Label F+
R12
S(2), 9, 16, 33
200-81 2-7

- methanesulphonic acid
CAS 000075-75-2
Index 607-145-00-4
Class'n C: R34
Label C
R34
S(1/2), 26, 36, 45
200-898-6

- methanethiol
methyl mercaptan
CAS 000074-93-1
Index 01 6-021-00-3
Class'n F+: R12 Xn: R20 N: R50, 53
Label F+, Xn, N
R12, 20, 50/53
S(2), 16, 25, 60, 61
200-822-1

- methanol
CAS 000067-56-1
Index 603-001-00-X
Class'n F: R11 T: R23/24/25, 39/23/24/25
Label F, T
R11, 23/24/25, 39/23/24/25
S(1/2), 7, 16, 36/37, 45
200-659-6
Conc Conc >= 20% T: R23/24/25, 39/23/24/25
Conc >= 10% and < 20% T R20/21/22,
39/23/24/25
Conc >= 3% and < 10% Xn: R20/21/22,
68/20/21/22

- 4,7-methanooctahydro-1H-indene-diyl dimethyl bis(2-
carboxybenzoate
Index 607-343-00-0
Class'n R53
Label R53
S61
407-410-2

- methazole
2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidinedione
CAS 020354-26-1
Index 606-033-00-2
Class'n Xn: R21/22 Xi: R36/38 N: R51, 53
Label Xn, N
R21/22, 36/38, 51/53
S(2), 36/37, 61
243-761-6

methenamine

hexamethylenetetramine

CAS 000100-97-0

Index 612-101-00-2

Class'n F:R11 R42/43

Label F, Xn
R11, 42/43
S(2), 16, 22, 24, 37
202-905-8**methidathion (ISO)**

2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-ylmethyl-O,O-dimethylphosphorodithioate

CAS 000950-37-8

Index 015-069-00-2

Class'n T+:R28 Xn:R21 N: R50, 53

Label T+,N
R21, 28, 50/53
S(1/2), 22, 28, 36/37, 45, 60, 61
213-449-4**methiocarb**

mercaptodimethur (ISO)

3,5-dimethyl-4-methylthiophenyl N-methylcarbamate

CAS 002032-65-7

Index 006-023-00-2

Class'n T: R25 N: R50, 53

Label T, N
R25, 50/53
S(1/2), 22, 37, 45, 60, 61
217-991-2**methomyl (ISO)**

1-(methylthio)ethylideneamino N-methylcarbamate

CAS 016752-77-5

Index 006-045-00-2

Class'n T+: R28 N: R50, 53

Label T+, N
R28, 50/53
S(1/2), 22, 36/37, 45, 60, 61
240-815-0**4-methoxyaniline**

p-anisidine

CAS 000104-94-9

Index 612-112-00-2

Class'n T+: R26/27/28 R33 N: R50

label T+, N
R26/27/28, 33, 50
S(1/2), 28, 36/37, 45, 61
203-254-2**2-methoxy-4H-1,3,2-benzodioxaphosphorin 2-sulphide**

dioxabenzofos

CAS 003811-49-2

Index 015-152-00-3

Class'n T: R24/25, 39/25 N: R51, 53

Label T, N
R24/25, 39/25, 51/53
S(1/2), 36/37, 38, 45, 61
223-292-3**2-(methoxycarbonylhydrazonomethyl)quinoxaline 1,4-dioxide** Note E

carbadox (INN)

methyl 3-(quinoxalin-2-ylmethylene)carbazate 1,4-dioxide

CAS 006804-07-5

Index 613-050-00-9

Class'n F: R11 CarcCat2: R45 Xn: R22

Label F, T
R45, 11, 22
S53, 45
229-879-0**2-methoxycarbonyl-1-methylvinyl dimethyl phosphate**

mevinphos (ISO)

CAS 007786-34-7

Index 015-020-00-5

Class'n T+: R27/28

Label T+
R27/28
S(1/2), 23, 28, 36/37, 45
232-095-1**4-methoxy-N,6-dimethyl-1,3,5-triazin-2-ylamine**

CAS 005248-39-5

Index 613-094-00-9

Class'n Xn: R22, 48/22

Label Xn
R22, 48/22
S(2), 22, 36
401-360-5**2-methoxyethanol** Note E

ethylene glycol monomethyl ether

CAS 000109-86-4

Index 603-011-00-4

Class'n R10 ReprCat2: R60, 61 Xn: R20/21/22

Label T
R60, 61, 10, 20/21/22
S53, 45
203-713-7● **methoxyacetic acid** Note E

CAS 000625-45-6

Index 607-312-00-1

Class'n ReprCat2: R60, 61 Xn: R22 C: R34

Label T
R60, 61, 22, 34
S53, 45
210-894-6Conc Conc >= 25% T: R60, 61, 22, 34
Conc >= 10% and < 25% T: R60, 61, 34
Conc >= 5% and < 10% T: R60, 61, 36/37/38
Conc >= 0.5% and < 5% T: R60, 61■ **2-methoxyaniline** Note E

o-anisidine

CAS 000090-04-0

Index 612-035-00-4

Class'n Carc Cat 2: R45 Muta Cat 3: R68 T: R23/24/25

Label T
R45, 23/24/25
S53, 45
201-963-1

2-(2-methoxyethoxy)ethanol

diethylene glycol monomethyl ether

CAS 000111-77-3

Index 603-107-00-6

Class'n Repr Cat3:R63

Label Xn
R63
S(2), 36/37
203-906-6

2-methoxyethyl acetate Note E

methylglycol acetate

CAS 0001110-49-6

Index 607-036-00-1

Class'n Repr Cat 2: R60, 61 Xn: R20/21/22

Label T
R60, 61, 20/21/22
S53, 45
203-772-9

2-methoxyethylcarbamoylmethyl O,O-dimethyl
phosphorodithioate

amidithion (ISO)

CAS 000919-76-6

Index 015-080-00-2

Class'n Xn:R22

Label Xn
R22
S(2), 24, 36

2-methoxyethylmercury chloride

CAS 000123-88-6

Index 080-009-00-4

Class'n T: R25, 48/25 C: R34 N: R50, 53

Label T, N
R25, 34, 48/25, 50/53
S(1/2), 36/37/39, 45, 60, 61
204-659-7

mixture of[1-(methoxymethyl)-2-(C14-alkoxy)-ethoxy]acetic
acid

and

[1-(methoxymethyl)-2-(C12-alkoxy)-ethoxy]acetic
acid

Index 607-292-00-4 (see Part III)

Class'n Xi: R38, 41 N: R50, 53

Label Xi, N
R38, 41 50/53
S(2), 26, 37/39, 60, 61
410-640-6

mixture of[1-(methoxymethyl)-2-(C12-alkoxy)-ethoxy]acetic
acid

and

[1-(methoxymethyl)-2-(C14-alkoxy)-ethoxy]acetic
acid

Index 607-292-00-4 (see Part III)

Class'n Xi: R38, 41 N: R50, 53

Label Xi, N
R38, 41, 50/53
S(2), 26, 37/39, 60, 61
410-640-6

2-methoxy-1-methylethyl acetate

.CAS 000108-65-6

Index 607-195-00-7

Class'n R10 Xi: R36

Label Xi
R10, 36
S(2), 25
203-603-9

4-methoxy-4-methylpentan-2-one

CAS 000107-70-0

Index 606-023-00-8

Class'n R10 Xn: R20

Label Xn
R10, 20
S(2), 23, 24/25
203-512-4

•1-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-3-[2-(3,3,3-
trifluoropropyl)phenylsulfonyl]urea

prosulfuron

CAS 094125-34-5

Index 016-084-00-7

Class'n Xn: R22 N: R50, 53

Label Xn, N
R22, 50/53
S(2), 60, 61

4-methoxy-2-nitroaniline

2-nitro-p-anisidine

CAS 000096-96-8

Index 612-038-00-0

Class'n T+: R26/27/28 R33 R52, 53

Label T+
R26/27/28, 33, 52/53
S(1/2), 28, 36/37, 45, 61
202-547-2

S-5-methoxy-4-oxopyran-2-ylmethyl dimethyl
phosphorothioate

endothion (ISO)

CAS 002778-04-3

Index 015-049-00-3

Class'n T: R24/25

Label T
R24/25
S(1/2), 36/37, 45
220-472-3

4-methoxyphenol

mequinol

hydroquinone monomethyl ether

CAS 000150-76-5

Index 604-044-00-7

Class'n Xn: R22 Xi: R36 R43

Label Xn
R22, 36, 43
S(2), 24/25, 26, 37/39, 46
205-769-8



• 1-(p-methoxyphenyl)acetaldehyde oxime

CAS 003353-51-3
 Index 605-030-00-3
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 411-510-1

1-methoxy-2-propanol

monopropylene glycol methyl ether
 CAS 000107-98-2
 Index 603-064-00-3
 Class'n R10
 Label R10
 S(2), 24
 203-539-1

2-methoxypropanol

CAS 001589-47-5
 Index 603-106-00-0
 Class'n R10 ReprCat 2: R61 Xi: R37/38, 41
 Label T
 R61, 10, 37/38, 41
 S53, 45
 216-455-5

2-methoxypropyl acetate

CAS 070657-70-4
 Index 607-251-00-0
 Class'n R10 ReprCat 2: R61 X:R37
 Label T
 R61, 10, 37
 S53, 45
 274-724-2

• mixture of

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(2-(bis(2-hydroxyethyl)amino)
 ethoxycarbonylmethyl)hexadec-4-enoate

and

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(2-(bis(2-hydroxyethyl)amino)
 ethoxycarbonylmethyl)tetradec-4-enoate

and

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(3-methoxypropylcarbamoylmethyl)
 hexadec-4-enoate

and

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(3-methoxypropylcarbamoylmethyl)
 tetradec-4-enoate

Index 607-362-00-4 (see Part III)
 Class'n Xi: R38, 41 N: R51, 53
 Label Xi,N
 R38, 41, 51/53
 S(2), 26, 37/39, 61
 413-500-2

• mixture of

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(2-(bis(2-hydroxyethyl)amino)
 ethoxycarbonylmethyl)tetradec-4-enoate

and

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(2-(bis(2-hydroxyethyl)amino)
 ethoxycarbonylmethyl)hexadec-4-enoate

and

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(3-methoxypropylcarbamoylmethyl)
 hexadec-4-enoate

and

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(3-methoxypropylcarbamoylmethyl)
 tetradec-4-enoate

Index 607-362-00-4 (see Part III)
 Class'n Xi: R38, 41 N: R51, 53
 Label Xi,N
 R38, 41, 51/53
 S(2), 26, 37/39, 61
 413-500-2

• mixture of

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(3-methoxypropylcarbamoylmethyl)
 hexadec-4-enoate

and

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(2-(bis(2-hydroxyethyl)amino)
 ethoxycarbonylmethyl)hexadec-4-enoate

and

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(2-(bis(2-hydroxyethyl)amino)
 ethoxycarbonylmethyl)tetradec-4-enoate

and

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(3-methoxypropylcarbamoylmethyl)
 tetradec-4-enoate

Index 607-362-00-4 (see Part III)
 Class'n Xi: R38, 41 N: R51, 53
 Label Xi,N
 R38, 41, 51/53
 S(2), 26, 37/39, 61
 413-500-2

• mixture of

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(3-methoxypropylcarbamoylmethyl)
 tetradec-4-enoate

and

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(2-(bis(2-hydroxyethyl)amino)
 ethoxycarbonylmethyl)hexadec-4-enoate

and

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(2-(bis(2-hydroxyethyl)amino)
 ethoxycarbonylmethyl)tetradec-4-enoate

and

(3-methoxy)propylammonium[tris-(2-hydroxyethyl)]
 ammonium 2-(3-methoxypropylcarbamoylmethyl)
 hexadec-4-enoate

Index 607-362-00-4 (see Part III)
 Class'n Xi: R38, 41 N: R51, 53
 Label Xi,N
 R38, 41, 51/53
 S(2), 26, 37/39, 61
 413-500-2

mixture of

2-methoxy-4-(tetrahydro-4-methylene-2H-pyran-2-yl)-phenol
and
4-(3,6-dihydro-4-methyl-2H-pyran-2-yl)-2-methoxyphenol

Index 604-054-00-1 (see Part III)
Class'n R43 R52, 53
Label Xi
R43, 52/53
S(2), 24, 37, 61
412-020-0

● N-methylacetamide

CAS 000079-16-3
Index 616-053-00-3
Class'n Repr Cat 2: R61
Label T
R61
S53, 45
201-182-6

methyl acetate

CAS 000079-20-9
Index 607-021-00-X
Class'n F: R11 Xi: R36 R66 R67
Label F, Xi
R11, 36, 66, 67
S(2), 16, 26, 29, 33
201-185-2

methyl acetoacetate

CAS 000105-45-3
Index 607-137-00-0
Class'n Xi: R36
Label Xi
R36
S(2), 26
203-299-8

● methyl N-[3-(acetylamino)-4-(2-cyano-4-nitrophenylazo)phenyl]-N-[(1-methoxy)acetyl]glycinate

CAS 149850-30-6
Index 61 1-096-00-4
Class'n R43
Label Xi
R43
S(2), 22, 24, 37
413-040-2

methyl 3-(acetylthio)-2-methyl-propanoate

CAS 097101-46-7
Index 607-299-00-2
Class'n Xn: R22 R43 N: R50, 53
Label Xn, N
R22, 43, 50/53
S(2), 24, 37, 60, 61
411-040-7

methyl acrylamidoglycolate (containing $\geq 0.1\%$ acrylamide)

CAS 077402-05-2
Index 607-210-00-7
Class'n Carc Cat 2: R45 Muta Cat 2: R46 C: R34 R43
Label T
R45, 46, 34, 43
S53, 45
403-230-3

methyl acrylamidomethoxyacetate (containing $\geq 0.1\%$ acrylamide Note E)

CAS 077402-03-0
Index 607-190-00-X
Class'n Carc Cat 2: R45 Muta Cat 2: R46 Xn: R22 Xi: R36
Label T
R45, 46, 22, 36
S53, 45
401-890-7

methyl acrylate Note D

methyl propenoate
CAS 000096-33-3
Index 607-034-00-0
Class'n F: R11 Xn: R20/21/22 Xi: R36/37/38 R43
Label F, Xn
R11, 20/21/22, 36/37/38, 43
S(2), 9, 25, 26, 33, 36/37, 43
202-500-6

methylamine (di-)

methylamine (mono-)
methylamine (tri-)
CAS 000124-40-3
Index 612-001-00-9
Class'n F+: R12 Xn: R20 Xi: R37/38, 41
Label F+, Xn
R12, 20, 37/38, 41
S(2), 16, 26, 29
204-697-4
Conc Note 5
Conc $\geq 5\%$ Xn: R20, 37/38, 41
Conc $\geq 0.5\%$ and $< 5\%$ Xi: R36

methylamine (di-) ... % Note B

methylamine (mono-) ... %
methylamine (tri-) ... %
CAS 000124-40-3
Index 612-001-01-6
Class'n F+: R12 Xn: R20/22 C: R34
Label F+, C
R12, 20/22, 34
S(1/2), 3, 16, 26, 29, 36/37/39, 45
204-697-4
Conc Conc $\geq 15\%$ C: R20/22, 34
Conc $\geq 10\%$ and $< 15\%$ C: R34
Conc $\geq 5\%$ and $< 10\%$ Xi: R36/37/38

methylamine (mono-)

methylamine (di-)
methylamine(tri-)
CAS 000074-89-5
Index 612-001-00-9
Class'n F+: R12 Xn: R20 Xi: R37/38, 41
Label F+, Xn
R12, 20, 37/38, 41
S(2), 16, 26, 29
200-820-0
Conc Note 5
Conc >= 5% Xn: R20, 37/38, 41
Conc >= 0.5% and < 5% Xi: R36

methylamine (mono-)... % Note B

methylamine(di-)... %
methylamine(tri-)... %
CAS 000074-89-5
Index 612-001-01-6
Class'n F+: R12 Xn: R20/22 C: R34
Label F+, C
R12, 20/22, 34
S(1/2), 3, 16, 26, 29, 36/37/39, 45
200-820-0
Conc Conc >= 15% C: R20/22, 34
Conc >= 10% and < 15% C: R34
Conc >= 5% and < 10% Xi: R36/37/38

methylamine (tri-)

methylamine(mono-)
methylamine(di-)
CAS 000075-50-3
Index 612-001-00-9
Class'n F+: R12 Xn: R20 Xi: R37/38, 41
Label F+, Xn
R12, 20, 37/38, 41
S(2), 16, 26, 29
200-875-0
Conc Note 5
Conc >= 5% Xn: R20, 37/38, 41
Conc >= 0.5% and < 5% Xi: R36

methylamine (tri-) ... % Note 8

methylamine (mono-) ... %
methylamine (di-) ... %
CAS 000075-50-3
Index 612-001-01-6
Class'n F+: R12 Xn: R20/22 C: R34
Label F+, C
R12, 20/22, 34
S(1/2), 3, 16, 26, 29, 36/37/39, 45
200-875-0
Conc Conc >= 15% C: R20/22, 34
Conc >= 10% and < 15% C: R34
Conc >= 5% and < 10% Xi: R36/37/38

● methyl O-(4-amino-3,5-dichloro-6-fluoropyridin-2-yloxy)acetate

CAS 069184-17-4
Index 607-351-00-4
Class'n N: R51, 53
Label N
R51/53
S20/21, 61
407-550-4

2-methylaminoethanol

N-methylethanolamine
N-methyl-2-ethanolamine
N-methyl-2-aminoethanol
2-(methylamino)ethanol
CAS 000109-83-1
Index 603-080-00-0
Class'n Xn: R21/22 C: R34
Label C
R21/22, 34
S(1/2), 26, 36/37/39, 45
203-710-0
Conc Conc >= 25% C: R21/22, 34
Conc >= 10% and < 25% C: R34
Conc >= 5% and < 10% Xi: R36/37/38

N-methyl-2-amino ethanol

2-methylaminoethanol
N-methylethanolamine
N-methyl-2-ethanolamine
2-(methylamino)ethanol
CAS 000109-83-1
Index 603-080-00-0
Class'n Xn: R21/22 C: R34
Label C
R21/22, 34
S(1/2), 26, 36/37/39, 45
203-710-0
Conc Conc >= 25% C: R21/22, 34
Conc >= 10% and < 25% C: R34
Conc >= 5% and < 10% Xi: R36/37/38

2-(methylamino)ethanol

2-methylaminoethanol
N-methylethanolamine
N-methyl-2-ethanolamine
N-methyl-2-aminoethanol
CAS 000109-83-1
Index 603-080-00-0
Class'n Xn: R21/22 C: R34
Label C
R21/22, 34
S(1/2), 26, 36/37/39, 45
203-710-01
Conc Conc >= 25% C: R21/22, 34
Conc >= 10% and < 25% C: R34
Conc >= 5% and < 10% Xi: R36/37/38

mixture of

2-methylaminoethanol 6-methyl-2-(4-(2,4,6-triaminopyrimidin-5-ylazo)phenyl)benzothiazole-7-sulfonate

and

2,2-iminodiethanol 6-methyl-2-(4-(2,4,6-triaminopyrimidin-5-ylazo)phenyl)benzothiazole-7-sulfonate

and

N,N-diethylpropane-1,3-diamine 6-methyl-2-(4-(2,4,6-triaminopyrimidin-5-ylazo)phenyl)benzothiazole-7-sulfonate

Index 611-012-00-6 (see Part III)
Class'n R43
Label Xi
R43
S(2), 22, 24, 26, 37
403-410-1

methyl amyl ketone

heptan-2-one
 CAS 000110-43-0
 Index 606-024-00-3
 Class'n R10 Xn: R20/22
 Label Xn
 R10, 20/22
 S(2), 24/25
 203-767-1

N-methylaniline

CAS 000100-61-8
 Index 612-015-00-5
 Class'n T: R23/24/25 R33 N: R50, 53
 Label T, N
 R23/24/25, 33, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 202-870-9

● 2-methyl-2-azabicyclo[2.2.1]heptane

CAS 004254-95-2
 Index 613-176-00-4
 Class'n R10 Xn: R21/22, 48/20 C: R34
 Label C
 R10, 21/22, 34, 48/20
 S(1/2), 16, 26, 36/37/39, 45
 404-810-9

■ 2-methylaziridine Note E

propyleneimine
 CAS 000075-55-8
 Index 613-033-00-6
 Class'n F: R11 Carc Cat 2: R45 T+: R26/27/28 Xi:
 R41 N: R51, 53
 Label F, T+, N
 R45, 11, 26/27/28, 41, 51/53
 S53, 45, 61
 200-878-7
 conc Conc >= 10% T+: R45, 26/27/28, 41
 Conc >= 7% and < 10% T+: R45, 26/27/28, 36
 Conc >= 5% and < 7% T: R45, 23/24/25, 36
 Conc >= 1% and < 5% T: R45, 23/24/25
 Conc >= 0.1% and < 1% T: R45, 20/21/22
 Conc >= 0.01% and < 0.1% T: R45

methyl azoxy methyl acetate

methyl-ONN-azoxymethyl acetate
 CAS 000592-62-1
 Index 611-004-00-2
 Class'n Carc Cat 2: R45 Repr Cat 2: R61
 Label T
 R45, 61
 S53, 45
 209-765-7

■ methyl benzimidazol-2-ylcarbamate

carbendazim (ISO)
 CAS 010605-21-7
 Index 613-048-00-8
 Class'n Muta Cat 3: R68
 Label Xn
 R68
 S(2), 36/37
 234-232-0

DL-**a**-methylbenzylamine

1-phenylethylamine
 CAS 000618-36-0
 Index 612-107-00-5
 Class'n Xn: R21/22 C: R34
 Label C
 R21/22, 34
 S(1/2), 26, 28, 36/37/, 39, 45
 210-545-8

● 4-methyl-N,N-bis(2-(((4-methylphenyl)sulfonyl)amino)ethyl)benzenesulfonamide

CAS 056187-04-3
 Index 016-078-00-4
 Class'n R53
 Label R53
 S61
 413-300-5

6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine

CAS 106264-79-3
 Index 612-113-00-8
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 24, 37, 60, 61
 403-240-8

■ methylbromide

bromomethane
 CAS 000074-83-9
 Index 602-002-00-2
 Class'n Muta Cat 3: R68 T: R23/25 Xn: R48/20 Xi:
 R36/37/38 N: R50, 59
 Label T, N
 R23/25, 36/37/38, 48/20, 50, 59, 68
 S(1/2), 15, 27, 36/39, 38, 45, 59, 61
 200-813-2

● methyl 4-bromomethyl-3-methoxybenzoate

CAS 070264-94-7
 Index 607-328-00-9
 Class'n Xi: R38, 41 R43 N: R50, 53
 Label Xi, N
 R38, 41, 43, 50/53
 S(2), 26, 36/37/39, 60, 61
 410-310-1

2-methyl-1,3-butadiene Note D

isoprene
 CAS 000078-79-5
 Index 601-014-00-5
 Class'n F+: R12 R52, 53
 Label F+
 R12, 52/53
 S(2), 9, 16, 29, 33, 61
 201-143-3

2-methylbutane NoteC

CAS 000078-78-4
 Index 601-006-00-1 (see Part III)
 Class'n F+: R12 Xn: R65 R66 R67 N: R51,53
 Label F+,Xn,N
 R12, 51/53, 65, 66, 67
 S(2), 9, 16, 29, 33, 61, 62
 201-142-8
 Conc Note4

2-methylbutan-2-ol

tert-pentanol
 CAS 000075-85-4
 Index 603-007-00-2
 Class'n F:R11 Xn:R20
 Label F,Xn
 R11, 20
 S(2), 9, 16, 24/25
 200-908-9
 Conc Conc >= 25% Xn: R20

3-methylbutan-2-one

methylisopropylketone
 CAS 000563-80-4
 Index 606-007-00-0
 Class'n F:R11
 Label F
 R11
 S(2), 9, 16, 33
 209-264-3

2-methylbutyl acetate NoteC

CAS 000624-41-9
 Index 607-130-00-2 (see Part III)
 Class'n R10 R66
 Label R10, 66
 S(2), 23, 25
 210-843-8

1-methylbutyl acetate NoteC

CAS 000626-38-0
 Index 607-130-00-2 (see Part III)
 Class'n R10 R66
 Label R10, 66
 S(2), 23, 25
 210-946-8

2(or 3)-methylbutyl acetate NoteC

CAS 084145-37-9
 Index 607-130-00-2 (see Part III)
 Class'n R10 R66
 Label R10, 66
 S(2), 23, 25
 282-263-3

**■ methyl 1-(butylcarbamoyl)bimidazol-2-ylcarbamate
benomyl (ISO)**

CAS 017804-35-2
 Index 613-049-00-3
 Class'n MutaCat3: R68
 Label Xn
 R68
 S(2), 36/37
 241-775-7

**■ 2-(1-methylbutyl)-4,6-dinitrophenol
dinosam**

CAS 004097-36-3
 Index 609-033-00-0
 Class'n T: R23/24/25 N: R50, 53
 Label T,N
 R23/24/25, 50/53
 S(1/2), 13, 45, 60, 61

2-methylbutyl formate NoteC

CAS 035073-27-9
 Index 607-018-00-3 (see Part III)
 Class'n R10 Xi: R36/37
 Label Xi
 R10,36137
 S(2), 24
 252-343-2

methyl butyl ketone

hexan-2-one
 butylmethyl ketone
 methyl-n-butyl ketone
 CAS 000591-78-6
 Index 606-030-00-6
 Class'n R10 ReprCat3: R62 T: R48/23 R67
 Label T
 R10, 48/23, 62, 67
 S(1/2), 36/37, 45
 209-731-1
 Conc Conc >= 10% T: R48/23, 62
 Conc >= 5% and < 10% Xn: R48/20, 62
 Conc >= 1% and < 5% Xn: R48/20

methyl-n-butyl ketone

hexan-2-one
 methylbutylketone
 butylmethylketone
 CAS 000591-78-6
 Index 606-030-00-6
 Class'n R10 ReprCat3: R62 T: R48/23 R67
 Label T
 R10, 48/23, 62, 67
 S(1/2), 36/37, 45
 209-731-1
 Conc Conc >= 10% T: R48/23, 62
 Conc >= 5% and < 10% Xn: R48/20, 62
 Conc >= 1% and < 5% Xn: R48/20

mixture of**2-methylbutyl methylphosphinate
and**

pentyl methylphosphinate
 CAS 087025-52-3
 Index 015-144-00-X (see Part III)
 Class'n C:R34
 Label C
 R34
 S(1/2), 26, 36/37/39, 45
 402-090-0

3-(1-methylbutyl)phenyl N-methylcarbamate and 3-(1-ethylpropyl)phenyl N-methylcarbamate, mixture of bufencarb (ISO)

CAS 008065-36-9
 Index 006-047-00-3
 Class'n T: R24/25 N: R50, 53
 Label T,N
 R24/25, 50/53
 S(1/2), 28, 36/37, 45, 60, 61

2-methylbutyl propionate Note C

CAS 002438-20-2
 Index 607-131-00-8 (see Part III)
 Class'n R10
 Label R10
 S(2), 23, 24
 219-449-0

methylcarbophenothione

S-(chlorophenylthiomethyl) O,O-dimethylphosphorodithioate
 CAS 000953-17-3
 Index 015-132-00-4
 Class'n T: R24/25
 Label T
 R24/25
 S(1/2), 28, 36/37, 45

methyl chloride

chloromethane
 CAS 000074-87-3
 Index 602-001-00-7
 Class'n F+: R12 Carc Cat3: R40 Xn: R48/20
 Label F+,Xn
 R12, 40, 48/20
 S(2), 9, 16, 33
 200-81-7-4

methyl chloroacetate

CAS 000096-34-4
 Index 607-205-00-X
 Class'n R10 T: R23/25 Xi: R37/38, 41
 Label T
 R10, 23/25, 37/38, 41
 S(1/2), 26, 37/39, 45
 202-501-1

methyl 2-chloro-3-(4-chlorophenyl)propionate
chlorfenprop-methyl

CAS 014437-17-3
 Index 607-075-00-4
 Class'n Xn: R21/22 N: R50, 53
 Label Xn,N
 R21/22, 50/53
 S(2), 36/37, 60, 61
 238-413-5

methyl chloroform Note F

1,1,1-trichloroethane
 CAS 000071-55-6
 Index 602-013-00-2
 Class'n Xn: R20 N: R59
 Label Xn,N
 R20, 59
 S(2), 24/25, 59, 61
 200-756-3

methyl chloroformate

CAS 000079-22-1
 Index 607-019-00-9
 Class'n F: R11 T: R23 Xi: R36/37/38
 Label F,T
 R11, 23, 36/37/38
 S(1/2), 9, 16, 33, 45
 201-187-3

● **(S)-methyl-2-chloropropionate**

CAS 073246-45-4
 Index 607-321-00-0
 Class'n R10 Xn: R48/22 Xi: R36
 Label Xn
 R10, 36, 48/22
 S(2), 23, 26, 36
 412-470-8

methyl 2-cyanoacrylate

mecrilate
 CAS 000137-05-3
 Index 607-235-00-3
 Class'n Xi: R36/37/38
 Label Xi
 R36/37/38
 S(2), 23, 24/25, 26
 205-275-2
 Conc Conc >= 10% Xi: R36/37/38

methylcyclohexane

CAS 000108-87-2
 Index 601-018-00-7
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R51, 53
 Label F,Xn,N
 R11, 38, 51/53, 65, 67
 S(2), 9, 16, 33, 61, 62
 203-624-3
 Conc Note4

2-methylcyclohexanol, mixed isomers Note C

CAS 000583-59-5
 Index 603-010-00-9 (see Part III)
 Class'n Xn: R20
 Label Xn
 R20
 S(2), 24/25
 209-512-0

2-methylcyclohexanone

CAS 000583-60-8
 Index 606-011-00-2
 Class'n R10 Xn: R20
 Label Xn
 R10, 20
 S(2), 25
 209-513-6
 Conc Conc >= 25% Xn: R20

(1S)-2-methyl-2,5-diazobicyclo[2.2.1]heptane dihydrobromide

CAS 125224-62-6
 Index 613-160-00-7
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 411-000-9

methyl a-((4,6-dimethoxypyrimidin-2-yl)ureidosulphonyl)-o-toluate

CAS 083055-99-6
 Index 607-178-00-4
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61
 401-340-6

methyl 2-(4-(2,4-dichlorophenoxy)phenoxy)propionate methyl (RS)-2-[4-(2,4-dichlorophenoxy)phenoxy]propionate diclofop-methyl (ISO)

CAS 051338-27-3
 Index 607-165-00-3
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 24, 37, 60, 61
 257-141-8

1 methyl [2-(1,1-dimethylethyl)-6-methoxypyrimidin-4-yl] ethylphosphonothioate

CAS 117291-73-3
 Index 015-173-00-8
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 23, 36, 60, 61
 414-080-3

methyl 3,4-dichlorophenylcarbanilate SWEP

CAS 001918-18-9
 Index 006-062-00-5
 Class'n Xn: R22
 Label Xn
 R22
 S(2)

2-methyl-4-(1,1-dimethylethyl)-6-(1-methyl-pentadecyl)-phenol

CAS 157661-93-3
 Index 604-053-00-6
 Class'n Xi: R38 R43 N: R50, 53
 Label Xi, N
 R38, 43, 50/53
 S(2), 24, 37, 60, 61
 410-760-9

N-methyldiethanolamine 2,2'-(methylimino)diethanol

CAS 000105-59-9
 Index 603-079-00-5
 Class'n Xi: R36
 Label Xi
 R36
 S(2), 24
 203-31 2-7

methyl N-(2,6-dimethylphenyl)-N-(2-furylcarbonyl)-DL-alaninate furalaxyl

CAS 057646-30-7
 Index 612-138-00-4
 Class'n Xn: R22 R52, 53
 Label Xn
 R22, 52/53
 S(2), 36/37/39, 61
 260-875-1

methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate

CAS 030864-28-9
 Index 015-156-00-5 (see Part III)
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 36/37, 60, 61
 250-366-2

6-methyl-1,3-dithiolo(4,5-b)quinoxalin-2-one quinomethionate

chinomethionat (ISO)
 CAS 002439-01-2
 Index 606-036-00-9
 Class'n Repr Cat 3: R62 Xn: R20/21/22, 48/22 Xi: R36
 R43 N: R50, 53
 Label Xn, N
 R20/21/22, 36, 43, 48/22, 50/53, 62
 S(2), 24, 37, 60, 61
 219-455-3

● methyl 2-[[[(4,6-dimethoxypyrimidin-2-yl)carbamoyl] sulfamoyl]-6-trifluoromethyl]nicotinate, monosodium salt flupyrsulfuon-methyl-sodium (ISO)

CAS 144740-54-5
 Index 613-165-00-4
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61

methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate

CAS 062610-77-9
 Index 015-156-00-5 (see Part III)
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 36/37, 60, 61

● methyl (E)-2-methoxyimino-[2-(o-toloxymethyl)phenyl]acetate
kresoxim-methyl(ISO)
CAS 143390-89-0
Index 607-310-00-0
Class'n Carc Cat 3: R40 N: R50, 53
Label Xn, N
R40, 50/53
S(2), 36/37, 60, 61

2,2'-methylenebis(6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol)
CAS 103597-45-1
Index 604-052-00-0
Class'n R53
Label R53
S61
403-800-1

4,4'-methylene bis(2-chloroaniline) Note E
2,2'-dichloro-4,4'-methylenedianiline
CAS 000101-14-4
Index 612-078-00-9
Class'n Carc Cat 2: R45 Xn. R22 N: R50, 53
Label T, N
R45, 22, 50/53
S53, 45, 60, 61
202-91 8-9

4,4'-methylenebis(2-chloroaniline), salts of Notes A and E
2,2'-dichloro-4,4'-methylenedianiline, salts of
Index 612-079-00-4
Class'n Carc Cat 2: R45 Xn: R22 N: R50, 53
Label T, N
R45, 22, 50/53
S53, 45, 60, 61

2,2'-methylenebis[4-chlorophenol]
dichlorophen
CAS 000097-23-4
Index 604-019-00-0
Class'n Xn: R22 Xi: R36 N: R50, 53
Label Xn, N
R22, 36, 50/53
S(2), 26, 60, 61
202-567-1

● 4,4'-methylenebis(2,6-dimethylphenyl cyanate)
CAS 101657-77-6
Index 61 5-026-00-3
Class'n R43 R52, 53
Label Xi
R43, 52/53
S(2), 22, 24, 37, 61
405-790-4

4,4'-methylenebis(2-ethylaniline)
4,4'-methylenebis(2-ethylbenzeneamine)
CAS 019900-65-3
Index 612-141-00-0
Class'n Carc Cat 3: R40 Xn: R22 N: R50, 53
Label Xn, N
R22, 40, 50/53
S(2), 36/37, 60, 61
243-420-1

4,4'-methylenebis(2-ethylbenzeneamine)
4,4'-methylenebis(2-ethylaniline)
CAS 019900-65-3
Index 612-141-00-0
Class'n Carc Cat 3: R40 Xn: R22 N: R50, 53
Label Xn, N
R22, 40, 50/53
S(2), 36/37, 60, 61
243-420-1

● 4,4'-methylenebis(N,N'-dimethylcyclohexanamine)
CAS 013474-64-1
Index 612-172-00-X
Class'n Xn: R22, 48/22 C: R35 R52, 53
Label C
R22, 35, 48/22, 52/53
S(1/2), 26, 36/37/39, 45, 61
412-840-9

4-4'-methylenebis(oxyethylenethio)diphenol
CAS 093589-69-6
Index 604-049-00-4
Class'n N: R51, 53
Label N
R51/53
S61
407-480-4

mixture of
1,1'-(methylenebis(4,1-phenylene))dipyrrole-2,5-dione
and
N-(4-(4-(2,5-oxopyrrol-1-yl)benzyl)phenyl)
acetamide
and
1-(4-(4-(5-oxo-2H-2-furylideneamino)benzyl)phenyl)
pyrrole-2,5-dione
Index 613-085-00-X (see Part III)
Class'n R43 N: R50, 53
Label Xi, N
R43, 50/53
S(2), 24, 37, 60, 61
401-970-1

2,2'-methylenebis-(3,4,6-trichlorophenol)
hexachlorophene
CAS 000070-30-4
Index 604-015-00-9
Class'n T R24/25 N: R50, 53
Label T, N
R24/25, 50/53
S(1/2), 20, 37, 45, 60, 61
200-733-8
Conc Conc >= 2% T: R24/25
Conc >= 0.2% and < 2% Xn: R21/22

methylene chloride
dichloromethane
CAS 000075-09-2
Index 602-004-00-3
Class'n Carc Cat 3: R40
Label Xn
R40
S(2), 23, 24/25, 36/37
200-838-9

4,4'-methylenedianiline Note E

4,4'-diaminodiphenylethane
 CAS 000101-77-9
 Index 612-051-00-1
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 T:
 R39/23/24/25 Xn: R48/2012/22 R43 N: R51,
 S3
 Label T, N
 R45, 39/23/24/25, 43, 48/20/21/22, 51/53
 S53, 45, 61
 202-974-4

4,4'-methylenedi(cyclohexyl isocyanate)

dicyclohexylmethane-4,4'-di-isocyanate
 CAS 005124-30-1
 Index 615-009-00-0
 Class'n T: R23 Xi: R36/37/38 R42/43
 Label T
 R23, 36/37/38, 42/43
 S(1/2), 26, 28, 38, 45
 225-863-2
 Conc Note2
 Conc >= 20% T: R23, 36/37/38, 42/43
 Conc >= 2% and < 20% T: R23, 42/43
 Conc >= 0.5% and < 2% Xn: R20, 42/43

4,4'-methylenediphenyl diisocyanate Note C

CAS 000101-68-8
 Index 615-005-00-9 (see Part III)
 Class'n Xn: R20 Xi: R36/37/38 R42/43
 Label Xn
 R20, 36/37/38, 42/43
 S(1/2), 23, 36/37, 45
 202-966-0
 Conc Note2
 Conc >= 25% Xn: R20, 36/37/38, 42/43
 Conc >= 5% and < 25% Xn: R36/37/38, 42/43
 Conc >= 1% and < 5% Xn: R42/43
 Conc >= 0.1% and < 1% Xn: R42

2,2'-methylenediphenyl diisocyanate Note C

CAS 002536-05-2
 Index 615-005-00-9 (see Part III)
 Class'n Xn: R20 Xi: R36/37/38 R42/43
 label Xn
 R20, 36/37/38, 42/43
 S(1/2), 23, 36/37, 45
 219-799-4
 Conc Note2
 Conc >= 25% Xn: R20, 36/37/38, 42/43
 Conc >= 5% and < 25% Xn: R36/37/38, 42/43
 Conc >= 1% and < 5% Xn: R42/43
 Conc >= 0.1% and < 1% Xn: R42

methylenediphenyl diisocyanate Note C

CAS 026447-40-5
 Index 615-005-00-9 (see Part III)
 Class'n Xn: R20 Xi: R36/37/38 R42/43
 Label Xn
 R20, 36/37/38, 42/43
 S(1/2), 23, 36/37, 45
 247-714-0
 Conc Note2
 Conc >= 25% Xn: R20, 36/37/38, 42/43
 Conc >= 5% and < 25% Xn: R36/37/38, 42/43
 Conc >= 1% and < 5% Xn: R42/43
 Conc >= 0.1% and < 1% Xn: R42

methylene dithiocyanate

CAS 006317-18-6
 Index 615-020-00-0
 Class'n T+: R26 T: R25 C: R34 R43 N: R50
 Label T+, N
 R25, 26, 34, 43, 50
 S(1/2), 26, 28, 36/37/39, 45, 61
 228-652-3

4,4'-methylenedi-o-toluidine Note E

CAS 000838-88-0
 Index 612-085-00-7
 Class'n Carc Cat 2: R45 Xn: R22 R43 N: R50, 53
 Label T, N
 R45, 22, 43, 50/53
 S53, 45, 60, 61
 212-658-8

(1-methyl-1,2-ethanediy)bis[oxy(methyl-2,1-ethanediy)] diacrylate

tripropylene glycol diacrylate
 TPGDA
 CAS 042978-66-5
 Index 607-249-00-X
 Class'n Xi: R36/37/38 R43 N: R51, 53
 Label Xi, N
 R36/37/38, 43, 51/53
 S(2), 24, 37, 61
 256-032-2
 Conc Conc >= 10% Xi: R36/37/38, 43
 Conc >= 1% and < 10% Xi: R43

N-methyl-2-ethanolamine

2-methylaminoethanol
 N-methylethanolamine
 N-methyl-2-amino ethanol
 2-(methylamino)ethanol
 CAS 000109-83-1
 Index 603-080-00-0
 Class'n Xn: R21/22 C: R34
 Label C
 R21/22, 34
 S(1/2), 26, 36/37/39, 45
 203-710-0
 Conc Conc >= 25% C: R21/22, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

N-methylethanolamine

2-methylaminoethanol
 N-methyl-2-ethanolamine
 N-methyl-2-amino ethanol
 2-(methylamino)ethanol
 CAS 000109-83-1
 Index 603-080-00-0
 Class'n Xn: R21/22 C: R34
 Label C
 R21/22, 34
 S(1/2), 26, 36/37/39, 45
 203-710-0
 Conc Conc >= 25% C: R21/22, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

● N-methylformamide Note E

CAS 000123-39-7
 Index 616-056-00-X
 Class'n ReprCat2: R61 Xn: R21
 Label T
 R61, 21
 S53, 45
 204-624-6

methyl formate

CAS 000107-31-3
 Index 607-014-00-1
 Class'n F+: R12 Xn: R20/22 Xi: R36/37
 Label E+,Xn
 R12, 20/22, 36/37
 S(2), 9, 16, 24, 26, 33
 203-481-7

methylglycol acetate Note E

2-methoxyethyl acetate
 CAS 000110-49-6
 Index 607-036-00-1
 Class'n ReprCat2: R60, 61 Xn: R20/21/22
 Label T
 R60, 61, 20/21/22
 S53, 45
 203-772 -9

5-methylheptan-3-one

CAS 000541-85-5
 Index 606-020-00-1
 Class'n R10 Xi: R36/37
 Label Xi
 R10, 36/37
 S(2), 23
 208-793-7
 Conc Conc >= 10% Xi: R36/37

methylheptyl, O-(4-amino-3,5-dichloro-6-fluoro-2-pyridyloxy) acetate

fluroxypyr-meptyl (ISO)
 fluroxypyr-butometyl (ISO)
 2-butoxy-1-methylethyl,O-(4-amino-3,5-dichloro-6-fluoro-2-pyridyloxy) acetate
 CAS 081406-37-3
 Index 607-272-00-5
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 279-752-9

5-methylhexan-2-one

isoamyl methyl ketone
 CAS 000110-12-3
 Index 606-026-00-4
 Class'n R10 Xn: R20
 Label Xn
 R10, 20
 S(2), 23, 24/25
 203-737-8

1-methylimidazole

CAS 000616-47-7
 Index 613-035-00-7
 Class'n Xn: R21/22 C: R34
 Label C
 R21/22, 34
 S(1/2), 26, 36, 45
 210-484-7

2,2'-(methylimino)diethanol

N-methyldiethanolamine
 CAS 000105-59-9
 Index 603-079-00-5
 Class'n Xi: R36
 Label Xi
 R36
 S(2), 24
 203-312-7

methyl iodide

iodomethane
 CAS 000074-88-4
 Index 602-005-00-9
 Class'n Carc Cat3: R40 Xn: R21 T: R23/25 Xi: R37/38
 Label T
 R21, 23/25, 37/38, 40
 S(1/2), 36/37, 38, 45
 200-819-5

methyl isobutyl carbinol

4-methylpentan-2-ol
 CAS 000108-11-2
 Index 603-008-00-8
 Class'n R10 Xi: R37
 Label Xi
 R10, 37
 S(2), 24/25
 203-551-7
 Conc Conc >= 25% Xi: R37

methyl isocyanante

CAS 000624-83-9
 Index 615-001-00-7
 Class'n F+: R12 T: R23/24/25 Xi: R36/37/38
 Label F+,T
 R12, 23/24/25, 36/37/38
 S(1/2), 9, 30, 43, 45
 210-866-3

■ methyl 2-(isocyanatosulfonylmethyl)benzoate

2-(isocyanatosulfonylmethyl)benzoic acid methyl ester
 CAS 083056-32-0
 Index 615-023-00-7
 Class'n R10 R14 Muta Cat3: R68 Xn: R20, 48/22
 Xi: R41 R42
 Label Xn
 R10, 14, 20, 41, 42, 48/22, 68
 S(2), 23, 26, 36/37/39
 410-900-9

methyl 3-isocyanatosulfonyl-2-thiophene-carboxylate

CAS 079277-18-2
 Index 615-022-00-1
 Class'n E: R2 R14 Xn: R48/22 R42/43
 Label E,Xn
 R2, 14, 42/43, 48/22
 S(2), 22, 30, 35, 36/37
 410-550-7

methyl isopropyl ketone

3-methylbutan-2-one
 CAS 000563-80-4
 Index 606-007-00-0
 Class'n F: R11
 Label F
 R11
 S(2), 9, 16, 33
 209-264-3

methyl isothiocyanate

CAS 000556-61-6
 Index 615-002-00-2
 Class'n T: R23/25 C: R34 R43 N: R50,53
 Label T,N
 R23/25, 34, 43, 50/53
 S(1/2), 36/37, 38, 45, 60, 61
 209-132-5

methyl lactate Note C

CAS 000547-64-8
 Index 607-092-00-7 (see Part III)
 Class'n R10 Xi: R36/37
 Label Xi
 R10, 36/37
 S(2), 24
 208-930-0

methyl (+-)-lactate Note C

CAS 002155-30-8
 Index 607-092-00-7 (see Part III)
 Class'n R10 Xi: R36/37
 Label Xi
 R10, 36/37
 S(2), 24
 218-449-8

methyl mercaptan

methanethiol
 CAS 000074-93-1
 Index 016-021-00-3
 Class'n F+: R12 Xn: R20 N: R50, 53
 Label F+,Xn,N
 R12, 20, 50/53
 S(2), 16, 25, 60, 61
 200-822-1

methyl methacrylate Note D

methyl 2-methylprop-2-enoate
 methyl 2-methylpropenoate
 CAS 000080-62-6
 Index 607-035-00-6
 Class'n F: R11 Xi: R37/38 R43
 Label F,Xi
 R11, 37/38, 43
 S(2), 24, 37, 46
 201-297-1

methyl-3-methoxyacrylate

CAS 005788-17-0
 Index 607-363-00-X
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 412-900-4

methyl-2-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)bemate
 metsulfuron-methyl

CAS 074223-64-6
 Index, 613-139-00-2
 Class'n N: R50, 53
 Label N
 R50/53
 S60,61

methyl 2-(3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)3-methylureidosulphonyl)benzoate

CAS 101200-48-0
 Index 607-177-00-9
 Class'n R43
 Label Xi
 R43
 S(2), 22, 24, 37
 401-190-1

methyl 2R,3S-(-)-3-(4-methoxyphenyl)oxiranecarboxylate

CAS 105560-93-8
 Index 607-259-00-4
 Class'n Xi: R41 R43 R52,53
 Label Xi
 R41, 43, 52/53
 S(2), 24, 26, 37/39, 61
 404-130-2

mixture of
 2-methyl-N-(2-methylacryloylaminomethoxymethyl)-acrylamide

and
 N-[3-hydroxy-2-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide

and
 N-[2,3-bis-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide

and
 methacrylamide

and
 N-(2,3-dihydroxypropoxymethyl)-2-methylacrylamide

Index 616-057-00-5 (see Part III)

Class'n Carc Cat 2: R45 Muta Cat 3: R68 Xn: R48/22
 Label T
 R45, 48/22
 S53, 45
 412-790-8

3-(N-methyl-N-(4-methylamino-3-nitrophenyl)amino)

propane-1,2-diol hydrochloride

CAS 093633-79-5
 Index 603-099-00-4
 Class'n Xn: R22 R52, 53
 Label Xn
 R22, 52/53
 S(2), 61
 403-440-5

4-methyl-8-methylenetricyclo[3.3.1.1^{3,7}]decan-2-ol

CAS 122760-84-3
 Index 603-123-00-3
 Class'n Xi: R38 R43 N: R51, 53
 Label Xi, N
 R38, 43, 51/53
 S(2), 24, 37, 61
 406-330-5

● **4-methyl-8-methylenetricyclo[3.3.1.1^{3,7}]dec-2-yl acetate**

CAS 122760-85-4
 Index 607-336-00-2
 Class'n Xi: R38 R43 N: R51, 53
 Label Xi, N
 R38, 43, 51/53
 S(2), 36/37, 61
 406-560-6

● **β-methyl-3-(1-methylethyl)-benzenepropanal**

CAS 125109-85-5
 Index 605-028-00-2
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 412-050-4

exo-(+/-)-1-methyl-4-(1-methylethyl)-2-[(2-methylphenyl) methoxy]-7-oxabicyclo[2.2.1]heptane

CAS 08781 8-31 -3
 Index 603-093-00-1
 Class'n Xn: R20 N: R51, 53
 Label Xn, N
 R20, 51/53
 S(2), 23, 61
 402-410-9

■ **exo-1-methyl-4-(1-methylethyl)-7-oxabicyclo[2.2.1] heptan-2-ol**

CAS 087172-89-2
 Index 603-091-00-0
 Class'n Xn: R22 Xi: R41
 Label Xn
 R22, 41
 S(2), 26, 39
 402-470-6

O'-methyl O-(1-methyl-2-methacryloyloxy-ethyl)-1,2,3,6-tetrahydrophthalate

Index 607-287-00-7
 Class'n R52, 53
 Label R52/53
 S61
 410-140-8

■ **methyl 2-methylprop-2-enoate** Note D

methyl methacrylate
 methyl 2-methylpropenoate
 CAS 000080-62-6
 Index 607-035-00-6
 Class'n F: R11 Xi: R37/38 R43
 Label F, Xi
 R11, 37/38, 43
 S(21, 24, 37, 46
 201-297-1

■ **methyl 2-methylpropenoate** Note D

methyl methacrylate
 methyl 2-methylprop-2-enoate
 CAS 000080-62-6
 Index 607-035-00-6
 Class'n F: R11 Xi: R37/38 R43
 Label F, Xi
 R11, 37/38, 43
 S(2), 24, 37, 46
 201-297-1

2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one

CAS 071868-10-5
 Index 606-041 -00-6
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22, 51/53
 S(2), 22, 61
 400-600-6

2-methyl-2-(methylthio)propanal-O-(N-methylcarbamoyl) oxime

aldicarb (ISO)
 CAS 000116-06-3
 Index 006-017-00-X
 Class'n Tt: R26/28 T: R24 N: R50, 53
 Label T+, N
 R24, 26/28, 50/53
 S(1/2), 22, 36/37, 45, 60, 61
 204-123-2

(+)-1-methyl-4-(1-methylvinyl)cyclohexene Note C

dipentene
 limonene
 (R)-p-mentha-1,8-diene
 d-limonene
 (S)-p-mentha-1,8-diene
 l-limonene
 trans-1-methyl-4-(1-methylvinyl)cyclohexene
 CAS 007705-14-8
 Index 601-029-00-7
 Class'n R10 Xi: R38 R43 N: R50, 53
 Label Xi, N
 R10, 38, 43, 50/53
 S(2), 24, 37, 60, 61
 231-732-0

4-[2-(1-methyl-2-(4-morpholinyl)ethoxy)ethyl]morpholine

CAS 111681-72-2
 Index 613-147-00-6
 Class'n Xi: R41
 Label Xi
 R41
 S(2), 26, 39
 407-940-4

methyl 2-(2-nitrobenzylidene)acetoacetate

CAS 039562-27-1
 Index 607-175-00-8
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61
 400-650-9

methyl 2-(3-nitrobenzylidene)acetoacetate

CAS 039562-17-9
 Index 607-224-00-3
 Class'n Xi: R43 N: R50, 53
 Label Xi, N
 R43, 50/53
 S(2), 24, 37, 60, 61
 405-270-7

l-methyl-3-nitro-l-nitrosoguanidine Note E

CAS 000070-25-7
 Index 612-083-00-6
 Class'n Carc Cat2: R45 Xn: R20 Xi: R36/38 N: R51, 53
 Label T, N
 R45, 20, 36/38, 51/53
 S53, 45, 61
 200-730-1
 Conc Conc >= 25% T: R45, 20, 36/38
 Conc >= 20% and < 25% T: R45, 36/38
 Conc >= 0.01 % and < 20% T R45

2-((4-methyl-2-nitrophenyl)amino)ethanol

CAS 100418-33-5
 Index 603-126-00-X
 Class'n Xn: R22 R43 R52, 53
 Label Xn
 R22, 43, 52/53
 S(2), 36/37, 61
 408-090-7

7-methylocta-1,6-diene

CAS 042152-47-6
 Index 601-046-00-X
 Class'n R10 N: R50, 53
 Label N
 R10, 50/53
 S(2), 60, 61
 404-21 0-7

methyl 2-octyl-4,6-dinitrophenyl carbonate and methyl 4-octyl-2,6-dinitrophenyl carbonate, mixture of isomers
dinoceton
methyl 4-octyl-2,6-dinitrophenyl carbonate and methyl 2-octyl-4,6-dinitrophenyl carbonate, mixture of isomers

CAS 063919-26-6
 Index 609-027-00-8
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61

methyl 4-octyl-2,6-dinitrophenyl carbonate and methyl 2-octyl-4,6-dinitrophenyl carbonate, mixture of isomers
dinoceton
methyl 2-octyl-4,6-dinitrophenyl carbonate and methyl 4-octyl-2,6-dinitrophenyl carbonate, mixture of isomers

CAS 063919-26-6
 Index 609-027-00-8
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61

methyl-ONN-azoxymethyl acetate

methyl azoxymethyl acetate
 CAS 000592-62-1
 Index 61 1-004-00-2
 Class'n Carc Cat2: R45 ReprCat2: R61
 Label T
 R45, 61
 S53, 45
 209-765-7

methyloxirane Note E

propylene oxide
1,2-epoxypropane
 CAS 000075-56-9
 Index 603-055-00-4
 Class'n F+: R12 Carc Cat2: R45 Muta Cat2: R46 Xn:
 R20/21/22 Xi: R36/37/38
 Label F+, T
 R45, 46, 12, 20/21/22, 36/37/38
 S53, 45
 200-879-2

2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[[I R-[la[S*(Z)],3B]]-chrysanthemate

pyrethrin I
 CAS 000121-21-1
 Index 613-023-00-1
 Class'n Xn: R20/21/22 N: R50, 53
 Label Xn, N
 R20/21/22, 50/53
 S(2), 13, 60, 61
 204-455-8

2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[la[S*(Z)](3B)]-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate

pyrethrin II
 CAS 000121-29-9
 Index 613-024-00-7
 Class'n Xn: R20/21/22 N: R50, 53
 Label Xn, N
 R20/21/22, 50/53
 S(2), 13, 60, 61
 204-462 -6

2-methylpentane-2,4-diol

CAS 000107-41-5
 Index 603-053-00-3
 Class'n Xi: R36/38
 Label Xi
 R36/38
 S(2)
 203-489-0
 Conc Conc >= 10% Xi: R36/38

4-methylpentan-2-ol

methyl isobutyl carbinol

CAS 000108-11-2

Index 603-008-00-8

Class'n R10 Xi:R37

Label Xi

R10, 37

S(2), 24/25

203-551-7

Conc Conc >= 25% Xi: R37

4-methylpentan-2-one

isobutyl methyl ketone

CAS 000108-10-1

Index 606-004-00-4

Class'n F: R11 Xn: R20 Xi: R36/37 R66

Label F, Xn

R11, 20, 36/37, 66

S(2), 9, 16, 29

203-550-1

4-methylpent-3-en-2-one

mesityl oxide

CAS 000141-79-7

Index 606-009-00-1

Class'n R10 Xn: R20/21/22

Label Xn

R10, 20/21/22

S(2), 25

205-502-5

Conc Conc >= 5% Xn: R20/21/22

3-(3-methylpent-3-yl)isoxazol-5-ylamine

CAS 082560-06-3

Index 613-074-00-X

Class'n T: R23/25 Xi: R41 R52, 53

Label T

R23/25, 41, 52/53

S(1/2), 22, 26, 36/37/39, 45, 61

401-460-9

2-methyl-1-pentylpyridinium bromide

Index 613-082-00-3

Class'n Xn: R21/22 R52, 53

Label Xn

R21/22, 52/53

S(2), 36/37, 61

402-690-2

4-methyl-m-phenylenediamine Note E

2,4-toluenediamine

CAS 000095-80-7

Index 612-099-00-3

Class'n Carc Cat 2: R45 T: R25 Xn: R21 Xi: R36

R43 N: R51, 53

Label T, N

R45, 21, 25, 36, 43, 51/53

S53, 45, 61

202-453-1

■ 2-methyl-m-phenylenediamine

2,6-toluenediamine

CAS 000823-40-5

Index 612-111-00-7

Class'n Muta Cat 3: R68 Xn: R21/22 R43 N: R51, 53

Label Xn, N

R21/22, 43, 51/53, 68

S(2), 24, 36/37, 61

212-513-9

2-methyl-p-phenylenediamine

2,5-toluenediamine

Index 612-125-00-3

Class'n T: R25 Xn: R20/21 R43 N: R51, 53

Label T, N

R20/21, 25, 43, 51/53

S(1/2), 24, 37, 45, 61

202-442-1

4-methyl-m-phenylenediamine sulfate Note E

toluene-2,4-diammonium sulphate

CAS 065321-67-7

Index 612-126-00-9

Class'n Carc Cat 2: R45 T: R25 Xn: R21 Xi: R36

R43 N: R51, 53

Label T, N

R45, 21, 25, 36, 43, 51/53

S53, 45, 61

265-697-8

2-methyl-p-phenylenediamine sulphate

CAS 000615-50-9

Index 612-030-00-7

Class'n T: R25 Xn: R20/21 R43 N: R51, 53

Label T, N

R20/21, 25, 43, 51/53

S(1/2), 24, 37, 45, 61

210-431-8

2-methyl-p-phenylenediamine sulphate

CAS 006369-59-1

Index 612-030-00-7

Class'n T: R25 Xn: R20/21 R43 N: R51, 53

Label T, N

R20/21, 25, 43, 51/53

S(1/2), 24, 37, 45, 61

228-871-4

2-methyl-m-phenylene diisocyanate Note C

CAS 000091-08-7

Index 615-006-00-4 (see Part III)

Class'n Carc Cat 3: R40 T+: R26 Xi: R36/37/38

R42/43 R52, 53

Label T+

R26, 36/37/38, 40, 42/43, 52/53

S(1/2), 23, 36/37, 45, 61

202-039-0

Conc Note2

Conc >= 20% T+: R26, 36/37/38, 40, 42/43

Conc >= 7% and < 20% T+: R26, 40, 42/43

Conc >= 1% and < 7% T: R23, 40, 42/43

Conc >= 0.1% and < 1% Xn: R20, 42



4-methyl-m-phenylene diisocyanate Note C

CAS 000584-84-9
 Index 615-006-00-4 (see Part III)
 Class'n Carc Cat 3: R40 T+: R26 Xi: R36/37/38
 R42/43 R52, 53
 Label T+
 R26, 36/37/38, 40, 42/43, 52/53
 S(1/2), 23, 36/37, 45, 61
 209-544-5
 Conc Note 2
 Conc >= 20% T+: R26, 36/37/38, 40, 42/43
 Conc >= 7% and < 20% T+: R26, 40, 42/43
 Conc >= 1% and < 7% T R23, 40, 42/43
 Conc >= 0.1% and < 1% Xn: R20, 42

S-(1-methyl-1-phenylethyl) piperidine-1-carbothioate

CAS 061432-55-1
 Index 613-1 10-00-4
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22, 51/53
 S(2), 61
 262-784-2

(4-methylphenyl)mesitylene sulfonate

CAS 067811-06-7
 Index 016-067-00-4
 Class'n R53
 Label R53
 5-61
 407-530-5

2-methyl-4-phenylpentanol

CAS 092585-24-5
 Index 603-092-00-6
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61
 402-770-7

2-methyl-5-phenylpentanol

CAS 025634-93-9
 Index 603-120-00-7
 Class'n Xi: R36/38
 Label Xi
 R36/38
 S(2), 26, 37
 405-890-8

S-2-methylpiperidinocarbonylmethyl-O,O-dipropyl phosphorodithioate

piperophos (ISO)
 CAS 024151-93-7
 Index 015-133-00-X
 Class'n Xn: R22
 Label Xn
 R22
 S(2)

2-methylpropan-2-ol

tert-butyl alcohol
 CAS 000075-65-0
 Index 603-005-00-1
 Class'n F: R11 Xn: R20
 Label F, Xn
 R11, 20
 S(2), 9, 16
 200-889-7
 Conc Conc >= 25% Xn: R20

2-methylpropan-1-ol

iso-butanol
 CAS 000078-83-1
 Index 603-108-00-1
 Class'n R10 Xi: R37/38, 41 R67
 Label Xi
 R10, 37/38, 41, 67
 S(2), 7/9, 13, 26, 37/39, 46
 201-148-0

2-methylpropene Note C

CAS 000115-11-7
 Index 601-012-00-4 (see Part III)
 Class'n F+: R12
 Label F+
 R12
 S(2), 9, 16, 33
 204-066-3

2-methyl-2-propene nitrile Note D

methacrylonitrile
 CAS 000126-98-7
 Index 608-01 0-00-2
 Class'n F: R11 T: R23/24/25 R43 N: R51, 53
 Label F, T, N
 R11, 23/24/25, 43, 51/53
 S-(1/2), 9, 16, 18, 29, 45, 61
 204-817-5
 Conc Conc >= 1% T: R23/24/25, 43
 Conc >= 0.2% and < 1% Xn: R20/21/22, 43

methyl propenoate Note D

methacrylate
 CAS 000096-33-3
 Index 607-034-00-0
 Class'n F: R11 Xn: R20/21/22 Xi: R36/37/38 R43
 Label F, Xn
 R11 20/21/22, 36/37/38, 43
 S(2), 9, 25, 26, 33, 36/37, 43
 202-500-6

2-methylpropenoic acid Note D

methacrylic acid
 CAS 000079-41-4
 Index 607-088-00-5
 Class'n Xn: R21/22 C: R35
 Label C
 R21/22, 35
 S-(1/2), 26, 36/37/39, 45
 201-204-4
 Conc Conc >= 25% C: R21/22, 35
 Conc >= 10% and < 25% C: R35
 Conc >= 5% and < 10% C: R34
 Conc >= 1% and < 5% Xi: R36/37/38

- 2-methyl-2-propenoic acid 2-propenyl ester allylmethacrylate
CAS 000096-05-9
Index 607-246-00-3
Class'n R10 T: R23 Xn: R21/22 N: R50
Label T,N
R10, 21/22, 23, 50
S(1/2), 36/37, 45, 61
202-473-0

methyl propionate
CAS 000554-12-1
Index 607-027-00-2
Class'n F: R11 Xn: R20
Label F,Xn
R11, 20
S(2), 16, 24, 29, 33
209-060-4

2-(1-methylpropyl)-4,6-dinitrophenyl isopropyl carbonate dinobuton (ISO)
CAS 000973-21-7
Index 006-028-00-X
Class'n T: R25 N: R50, 53
Label T,N
R25, 50/53
S(1/2), 37, 45, 60, 61
213-546-1

- 2-methylpropyl 2-hydroxy-2-methylbut-3-enoate
CAS 072531-53-4
Index 607-338-00-3
Class'n Xi: R36/38
Label Xi
R36/38
S(2), 26, 37
406-235-9

2-methylpropyl (R)-2-hydroxypropanoate
CAS 061 597-96-4
Index 607-268-00-3
Class'n Xi: R36
Label Xi
R36
S(2), 26
407-770-0

3-methylpyrazol-5-yl-dimethylcarbamate monometilan
CAS 002532-43-6
Index 006-040-00-5
Class'n T: R23/24/25
Label T
R23/24/25
S(1/2), 13, 45

2-methylpyridine 2-picoline
CAS 000109-06-8
Index 613-036-00-2
Class'n R10 Xn: R20/21/22 Xi: R36/37
Label Xn
R10, 20/21/22, 36/37
S(2), 26, 36
203-643-7

4-methylpyridine 4-picoline
CAS 000108-89-4
Index 613-037-00-8
Class'n R10 T: R24 Xn: R20/22 Xi: R36/37/38
Label T
R10, 20/22, 24, 36/37/38
S(1/2), 26, 36, 45
203-626-4

3-(N-methyl-2-pyrrolidinyl)pyridine nicotine (ISO)
CAS 000054-11-5
Index 614-001-00-4
Class'n T+: R27 T: R25 N: R51, 53
Label T+, N
R25, 27, 51/53
S(1/2), 36/37, 45, 61
200-193-3

N-methyl-2-pyrrolidone
CAS 000872-50-4
Index 606-021-00-7
Class'n Xi: R36/38
Label Xi
R36/38
S(2), 41
212-828-1
Conc Conc >= 10% Xi: R36/38

methyl 3-(quinoxalin-2-ylmethylene)carbazate 1,4-dioxide
Note E
carbadox (INN)
2-(methoxycarbonylhydrazonomethyl)quinoxaline 1,4-dioxide
CAS 006804-07-5
Index 61 3-050-00-9
Class'n F: R11 Carc Cat2: R45 Xn: R22
Label F,T
R45, 11, 22
S53, 45
229-879-0

- methyl (R)-2-(4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy)propionate
CAS 072619-32-0
Index 607-335-00-7
Class'n Xn: R22 N: R50, 53
Label Xn,N
R22, 50/53
S(2), 60, 61
406-250-0

- methyl (R)-2-(4-hydroxyphenoxy)propionate
CAS 096562-58-2
Index 607-361-00-9
Class'n Xi: R41 R52, 53
Label Xi
R41, 52/53
S(2), 26, 39, 61
411-950-4

methyl (R)-lactate Note C

CAS 01 7392-83-5
 Index 607-092-00-7 (see Part III)
 Class'n R10 Xi: R36/37
 Label Xi
 R10, 36/37
 S(2), 24
 241-420-6

methyl (RS)-2-[4-(2,4-dichlorophenoxy)phenoxy]
propionate

methyl 2-(4-(2,4-dichlorophenoxy)phenoxy)propionate
 diclofop-methyl (ISO)
 CAS 051338-27-3
 Index 607-165-00-3
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22, 43, 50/53
 S(2), 24, 37, 60, 61
 257-141 -8

methyl (S)-(-)-lactate Note C

CAS 027871-49-4
 Index 607-092-00-7 (see Part III)
 Class'n R10 Xi: R36/37
 Label Xi
 R10, 36/37
 S(2), 24
 248-704-9

 α -methylstyrene

2-phenylpropene
 CAS 000098-83-9
 Index 601-027-00-6
 Class'n R10 Xi: R36/37 N: R51, 53
 Label Xi, N
 R10, 36/37, 51/53
 S(2), 61
 202-705-0
 Conc Conc \geq 25% Xi: R36/37

2-methylstyrene

2-vinyltoluene
 CAS 000611-1 5-4
 Index 601-028-00-1
 Class'n Xn: R20 N: R51, 53
 Label Xn, N
 R20, 51/53
 S(2), 24, 61
 210-256-7
 Conc Conc \geq 25% Xn: R20

methyl 3-sulphamoyl-2-thenoate

Index 607-182-00-6
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 402-050-2

methyl 3-(3-tert-butyl-4-hydroxy-5-methylphenyl)
propionate

CAS 006386-39-6
 Index 607-21 1-00-2
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22, 51/53
 S(2), 36, 61
 403-270-1

methyl-2,3,5,6-tetrachloro-4-pyridylsulphone
2,3,5,6-tetrachloro-4-(methylsulphonyl)pyridine

CAS 013108-52-6
 Index 613-032-00-0
 Class'n Xn: R21/22 Xi: R36 R43
 Label Xn
 R21/22, 36, 43
 S(2), 26, 28
 236-035-5

2-methyl-5-(1,1,3,3-tetramethylbutyl)hydroquinone

Index 604-027-00-4
 Class'n Xi: R41 R43 N: R51, 53
 Label Xi, N
 R41, 43, 51/53
 S(2), 24/25, 26, 37, 61
 400-530-6

N-methyl-N,2,4,6-tetiroaniline

tetryl
 CAS 000479-45-8
 Index 612-01 7-00-6
 Class'n E: R2 T: R23/24/25 R33
 Label E, T
 R2, 23/24/25, 33
 S(1/2), 35, 45
 207-531-9

● mixture of

2-(9-methyl-1,3,8,10-tetraoxo-2,3,9,10-tetrahydro-
 (1H,8H)-anthra[2,1,9-def:6,5,10-d'e'f]diisoquinolin-2-
 ylethansulfonic acid

and

potassium 2-(9-methyl-1,3,8,10-tetraoxo-2,3,9,10-
 tetrahydro-(1H,8H)-anthra[2,1,9-def:6,5,10-d'e'f]
 diisoquinolin-2-ylethansulfate

Index 616-077-00-4 (see Part III)
 Class'n Xi: R41
 Label Xi
 R41
 S(2), 26, 39
 411-310-4

3-(methylthio)-2-butanone O-[(methylamino)carbonyl]
oxime

butocarboxim
 CAS 034681-10-2
 Index 006-083-00-X
 Class'n R10 T: R23/24/25 Xi: R36 N: R50, 53
 Label T, N
 R10, 23/24/25, 36, 50/53
 S(1/2), 36/37, 45, 60, 61
 252-139-3

1-(methylthio)ethylideneamino N-methylcarbamate

methomyl(ISO)
 CAS 016752-77-5
 Index 006-045-00-2
 Class'n T+: R28 N: R50, 53
 Label T+,N
 R28, 50/53
 S(1/2), 22, 36/37, 45, 60, 61
 240-815-0

N-methyl-o-toluidine Note C

CAS 000611-21-2
 Index 612-055-00-3 (see Part III)
 Class'n T: R23/24/25 R33 N: R52, 53
 Label T
 R23/24/25, 33, 52/53
 S(1/2), 28, 36/37, 45, 61
 210-260-9

N-methyl-p-toluidine Note C

CAS 000623-08-5
 Index 612-055-00-3 (see Part III)
 Class'n T: R23/24/25 R33 N: R52, 53
 Label T
 R23/24/25, 33, 52/53
 S(1/2), 28, 36/37, 45, 61
 210-769-6

N-methyl-m-toluidine Note C

CAS 000696-44-6
 Index 612-055-00-3 (see Part III)
 Class'n T: R23/24/25 R33 N: R52, 53
 Label T
 R23/24/25, 33, 52/53
 S(1/2), 28, 36/37, 45, 61
 211-795-0

**5-methyl-1,2,4-triazolo(3,4-b)benzo-1,3-thiazole
tricyclazole**

CAS 041814-78-2
 Index 611-007-00-9
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 255-559-5

methyltrichlorosilane

trichloro(methyl)silane
 CAS 000075-79-6
 Index 014-004-00-5
 Class'n R14 F: R11 Xi: R36/37/38
 Label F, Xi
 R11, 14, 36/37/38
 S(2), 26, 39
 200-902-6
 Conc Conc >= 1% Xi: R36/37/38

1-methyltrimethylene diacrylate Note O

1,3-butylene glycol diacrylate
 CAS 019485-03-1
 Index 607-118-00-7
 Class'n Xn: R21 C: R34 R43
 Label C
 R21, 34, 43
 S(1/2), 26, 36/37/39, 45
 243-105-9
 Conc Conc >= 25% C: R21, 34, 43
 Conc >= 10% and < 25% C: R34, 43
 Conc >= 5% and < 10% Xi: R36/38, 43
 Conc >= 1% and < 5% Xi: R43

**4-(1(or 4 or 5 or 6)-methyl-8,9,10-trinorborn-5-en-2-yl)
pyridine, mixture of isomers**

Index 613-079-00-7
 Class'n Xn: R21/22 Xi: R38 R43 N: R50, 53
 Label Xn,N
 R21/22, 38, 43, 50/53
 S(2), 36/37, 60, 61
 402-520-7

methyl vinyl ether Note D

CAS 000107-25-5
 Index 603-021-00-9
 Class'n F+: R12
 Label F+
 R12
 S(2), 9, 16, 33
 203-475-4

metolcarb (ISO)

m-tolyl methylcarbamate
 MTMC
 CAS 001129-41-5
 Index 006-056-00-2
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22, 51/53
 S(2), 61
 214-446-0

metoxuron(ISO)

3-(3-chloro-4-methoxyphenyl)-1,1-dimethylurea
 CAS 019937-59-8
 Index 006-033-00-7
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 243-433-2

metribuzin (ISO)

4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one
 4-amino-4,5-dihydro-6-[1-dimethylethyl]-3-methylthio-1,2,4-triazin-5-one
 CAS 021087-64-9
 Index 606-034-00-8
 Class'n Xn: R22 N: R50, 53
 Label Xn,N
 R22, 50/53
 S(2), 60 61
 244-209-7

metsulfuron-methyl

methyl-2-(4-methoxy-6methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)benzoate
 CAS 074223-64-6
 Index 613-139-00-2
 Class'n N: R50,53
 Label N
 R50/53
 S60,61

mevinphos (ISO)

2-methoxycarbonyl-1-methylvinyl dimethylphosphate
 CAS 007786-34-7
 Index 015-020-00-5
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 23, 28, 36/37, 45
 232-095-1

mexacarbate (ISO)

3,5-dimethyl-4-dimethylaminophenyl N-methylcarbamate
 CAS 000315-18-4
 Index 006-054-00-1
 Class'n T+: R28 Xn: R21 N: R50,53
 Label T+, N
 R21, 28, 50/53
 S(1/2), 36/37, 45, 60, 61
 206-249-3

Mineral wool, with the exception of those specified elsewhere in the Approved Supply List Notes A, Q and R

Index 650-016-00-2 (see Part II)
 Class'n CarcCat3: R40 Xi: R38
 Label Xn
 R38, 40
 S(2), 36/37

mipafox

NN'-di-isopropylphosphorodiamidic fluoride
 CAS 000371-86-8
 Index 015-062-00-4
 Class'n T+: R39/26/27/28
 Label T+
 R39/26/27/28
 S(1/2), 13, 45
 206-742-3

mirex

dodecachloropentacyclo[5.2.1.0.2,6.0.3,9.0.5,8]decane
 CAS 002385-85-5
 Index 602-077-00-1
 Class'n CarcCat3: R40 ReprCat3: R62,63 R64 Xn: R21/22 N: R50,53
 Label Xn, N
 R21/22, 40, 50/53, 62, 63, 64
 S(2), 13, 36/37, 46, 60, 61
 219-196-6

molinate (ISO)

S-ethyl 1-perhydroazepinecarbothioate
 CAS 002212-67-1
 Index 613-051-00-4
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24
 218-661-0

molybdenum trioxide

CAS 001313-27-5
 Index 042-001-00-9
 Class'n Xn: R48/20/22 Xi: R36/37
 Label Xn
 R36/37, 48/20/22
 S(2), 22, 25
 215-204-7

monoalkyl or monoalkyl or monoalkylaryl esters of acrylic acid with the exception of those specified elsewhere in the Approved Supply List Note A

Index 607-133-00-9
 Class'n Xi: R36/37/38 N: R51, 53
 Label Xi, N
 R36/37/38, 51/53
 S(2), 26, 28, 61
 Conc Conc >= 10% Xi: R36/37/38

monoalkyl or monoaryl or monoalkylaryl esters of methacrylic acid with the exception of those specified elsewhere in the Approved Supply List Note A

Index 607-134-00-4
 Class'n Xi: R36/37/38
 Label Xi
 R36/37/38
 S(2), 26, 28
 Conc Conc >= 10% Xi: R36/37/38

monobenzene

4-hydroxyphenyl benzyl ether
 hydroquinone monobenzyl ether
 CAS 000103-16-2
 Index 604-043-00-1
 Class'n Xi: R36 R43
 Label Xi
 R36, 43
 S(2), 24/25, 26, 37
 203-083-3

monocrotophos (ISO)

dimethyl-1-methyl-2-(methylcarbamoyl)vinyl phosphate
 CAS 006923-22-4
 Index 015-072-00-9
 Class'n Muta Cat3: R68 T+: R26/28 T: R24 N: R50,53
 Label T+, N
 R24, 26/28, 50/53, 68
 S(1/2), 36/37, 45, 60, 61
 230-042-7

monolinuron (ISO)
 3-(4-chlorophenyl)-1-methoxy-1-methylurea
 CAS 001746-81-2
 Index 006-032-00-1
 Class'n Xn: R22, 48/22 N: R50, 53
 Label Xn, N
 R22, 48/22, 50/53
 S(2), 22, 60, 61
 217-129-5

● **monolithium 5-[[2,4-dihydroxy-5-[(2-hydroxy-3,5-dinitrophenyl)azo]phenyl]azo]-2-naphthalenesulfonate], iron complex, monohydrate**
 Index 611-086-00-X
 Class'n R52, 53
 Label R52/53
 S61
 411-360-7

monometilan
 3-methylpyrazoi-5-yl-dimethylcarbamate
 CAS 002532-43-6
 Index 006-040-00-5
 Class'n T: R23/24/25
 Label T
 R23/24/25
 S(1/2), 13, 45

monopropylene glycol methyl ether
 1-methoxy-2-propanol
 CAS 000107-98-2
 Index 603-064-00-3
 Class'n R10
 Label R10
 S(2), 24
 203-539-1

monosodium aqua-[5-[[2,4-dihydroxy-5-[(2-hydroxy-3,5-dinitrophenyl)azo]phenyl]azo]-2-naphthalenesulfonate], iron complex
 Index 611-052-00-4
 Class'n R52, 53
 Label R52/53
 S61
 400-720-9

● **mixture of**
 mono-(2-tetradecyl)naphthalene isomers
 and
 di-2-tetradecyl)naphthalene isomers
 and
 tri-(2-tetradecyl)naphthalene isomers
 CAS 132983-41-6
 Index 601-055-00-9 (see Part III)
 Class'n Xi: R36 R53
 Label Xi
 R36, 53
 S(2), 26, 61
 410-190-0

● **mono-(tetrapropylammonium) hydrogen 2,2'-dithiobisbenzoate**
 Index 607-349-00-3
 Class'n R52, 53
 Label R52/53
 S61
 411-270-8

monuron (ISO)
 3-(4-chlorophenyl)-1,1-dimethylurea
 CAS 000150-68-5
 Index 006-042-00-6
 Class'n Carc Cat 3: R40 Xn: R22 N: R50, 53
 Label Xn, N
 R22, 40, 50/53
 S(2), 36/37, 60, 61
 205-766-1

monuron-TCA
 3-(4-chlorophenyl)-1,1-dimethyluronium trichloroacetate
 CAS 000140-41-0
 Index 006-043-00-1
 Class'n Xi: R36/38 Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R36/38, 40, 50/53
 S(2), 36/37, 60, 61

morfamquat (ISO)
 1,1'-bis(3,5-dimethylmorpholinocarbonylmethyl)-4,4'-bipyridilium ion
 CAS 007411-47-4
 Index 613-018-00-4
 Class'n Xn: R22 Xi: 36/37/38 R52, 53
 Label Xn
 R22, 36/37/38, 52/53
 S(2), 22, 36, 61

morfamquat dichloride
 morfamquatsulfate
 CAS 004636-83-3
 Index 613-091-00-2
 Class'n Xn: R22 Xi: R36/37/38 R52, 53
 Label Xn
 R22, 36/37/38, 52/53
 S(2), 22, 36, 61
 225-062-8

morfamquat sulfate
 morfamquatsdichloride
 CAS 029873-36-7
 Index 613-091-00-2
 Class'n Xn: R22 Xi: R36/37/38 R52, 53
 Label Xn
 R22, 36/37/38, 52/53
 S(2), 22, 36, 61

morpholine

CAS 000110-91-8
 Index 613-028-00-9
 Class'n R10 Xn: R20/21/22 C: R34
 Label C
 R10, 20/21/22, 34
 S(1/2), 23, 36, 45
 203-815-1
 Conc Conc >= 25% C: R20/21/22, 34
 Conc >= 10% and < 25% C: R34
 Conc >= 1% and < 10% Xi: R36/38

morpholine-4-carbonyl chloride

CAS 015159-40-7
 Index 613-041-00-X
 Class'n R14 Carc Cat3: R40 Xi: R36/38
 Label Xn
 R14, 36/38, 40
 S(2), 26, 30, 36, 38
 239-213-0

2-(morpholinothio)benzothiazole

CAS 000102-77-2
 Index 613-113-00-0
 Class'n Xi: R36/38 R43 N: R51, 53
 Label Xi, N
 R36/38, 43, 51/53
 S(2), 24, 26, 37, 61
 203-052-4

morphothion

O,O-dimethyl-S-(morpholinocarbonylmethyl)phosphorodithioate
 CAS 000144-41-2
 Index 015-058-00-2
 Class'n T: R23/24/25 N: R50, 53
 Label T, N
 R23/24/25, 50/53
 S(1/2), 13, 45, 60, 61
 205-628-0

MPMC

xylylcarb(ISO)
 3,4-dimethylphenyl N-methylcarbamate
 3,4-xylyl methylcarbamate
 CAS 002425-10-7
 Index 006-055-00-7
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 219-364-9

MTMC

metolcarb(ISO)
 m-tolylmethylcarbamate
 CAS 001129-41-5
 Index 006-056-00-2
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22, 51/53
 S(2), 61
 214-446-0

myclobutanil (ISO)

2-(4chlorophenyl)-2-(1H-1,2,4thiazol-1-ylmethyl)hexanenitile
 CAS 088671-89-0
 Index 613-134-00-5
 Class'n ReprCat3: R63 Xn: R22 Xi: R36 N: R51, 53
 Label Xn, N
 R22, 36, 51/53, 63
 S(2), 36/37, 46, 61

nabam (ISO)

disodium ethylenebis(N,N'-dithiocarbamate)
 CAS 000142-59-6
 Index 006-014-00-3
 Class'n Xn: R22 Xi: R37 R43 N: R50, 53
 Label Xn, N
 R22, 37, 43, 50/53
 S(2), 8, 24/25, 46, 60, 61
 205-547-0

naled (ISO)

1,2-dibromo-2,2-dichloroethyl dimethyl phosphate
 CAS 000300-76-5
 Index 015-055-00-6
 Class'n Xn: R21/22 Xi: R36/38
 Label Xn
 R21/22, 36/38
 S(2), 36/37
 206-098-3

● naphthalene

CAS 000091-20-3
 Index 601-052-00-2
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 36/37, 60, 61
 202-049-5

naphthenic acids, copper salts

copper naphthenate
 CAS 001338-02-9
 Index 029-003-00-5
 Class'n R10 Xn: R22 N: R50, 53
 Label Xn, N
 R10, 22, 50/53
 S(2), 60, 61
 215-657-0

2-naphthol

CAS 000135-19-3
 Index 604-007-00-5
 Class'n Xn: R20/22 N: R50
 Label Xn, N
 R20/22, 50
 S(2), 24/25, 61
 205-182-7

1-naphthol

CAS 000090-15-3
 Index 604-029-00-5
 Class'n Xn: R21/22 Xi: R37/38, 41
 Label Xn
 R21/22, 37/38, 41
 S(2), 22, 26, 37/39
 201-969-4

1-naphthylamine

CAS 000134-32-7
 Index 612-020-00-2
 Class'n Xn: R22 N: R51, 53
 Label Xn,N
 R22, 51/53
 S(2), 24, 61
 205-138-7

2-naphthylamine Note E

CAS 000091-59-8
 Index 612-022-00-3
 Class'n Carc Cat 1: R45 Xn: R22 N: R51, 53
 Label T,N
 R45, 22, 51/53
 S53, 45, 61
 202-080-4
 Conc Conc >= 25% T: R45, 22
 Conc >= 0.01% and < 25% T:R45

2-naphthylamine, acetate salts of Notes A and E

2-naphthylamine, hydrochloride, salts of
 CAS 000553-00-4
 Index 612-071-00-0
 Class'n Carc Cat 1: R45 Xn: R22 N: R51, 53
 Label T, N
 R45, 22, 51/53
 S53, 45, 61
 209-030-0

2-naphthylamine, hydrochloride salts of Notes A and E

2-naphthylamine, acetate salts of
 CAS 000612-52-2
 Index 612-071-00-0
 Class'n Carc Cat 1: R45 Xn: R22 N: R51, 53
 Label T, N
 R45, 22, 51/53
 S53, 45, 61
 210-313-6

● **2-naphthylamino-6-sulfomethylamide**

Index 612-177-00-7
 Class'n Xn: R48/22 R43 N: R51, 53
 Label Xn, N
 R43, 48/22, 51/53
 S(2), 22, 36/37, 61
 412-120-4

N-2-naphthylaniline

N-phenyl-2-naphthylamine
 CAS 000135-88-6
 Index 612-135-00-8
 Class'n Carc Cat 3: R40 Xi: R36/38 R43 N: R51, 53
 Label Xn, N
 R36/38, 40, 43, 51/53
 S(2), 26, 36/37, 61
 205-223-9

1,5-naphthylenediamine

CAS 002243-62-1
 Index 612-089-00-9
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R40, 50/53
 S(2), 36/37, 60, 61
 218-817-8

1,5-naphthylene diisocyanate

CAS 003173-72-6
 Index 615-007-00-X
 Class'n Xn: R20 Xi: R36/37/38 R42 R52, 53
 Label Xn
 R20, 36/37/38, 42, 52/53
 S(2), 26, 28, 38, 45, 61
 221-641-4

1-naphthylmethylcarbamate carbaryl(ISO)

CAS 000063-25-2
 Index 006-011-00-7
 Class'n Carc Cat 3: R40 Xn: R22 N: R50
 Label Xn, N
 R22, 40, 50
 S(2), 22, 24, 36/37, 46, 61
 200-555-0

1-(1-naphthyl)-2-thiourea antu (ISO)

CAS 000086-88-4
 Index 006-008-00-0
 Class'n T+: R28 Carc Cat 3: R40
 Label T+
 R28, 40
 S(1/2), 25, 36/37, 45
 201-706-3
 Conc Note 1

naptalam-sodium

sodiumN-naphth-1-ylphthalamate
 CAS 000132-67-2
 Index 607-248-00-4
 Class'n Xn:R22
 Label Xn
 R22
 S(2)
 205-073-4

● **neodecanoyl chloride**

CAS 040292-82-8
 Index 607-313-00-7
 Class'n T+: R26 Xn: R22 C: R34
 Label T+
 R22, 26, 34
 S(1/2), 26, 28, 36/37/39, 45
 254-875-0
 Conc Conc >= 25% T+: R22, 26, 34
 Conc >= 10% and < 25% T+: R26, 34
 Conc >= 7% and < 10% T+: R26, 36/37/38
 Conc >= 5% and < 7% T: R23, 36/37/38
 Conc >= 1% and < 5% T:R23
 Conc >= 0.1% and < 1% Xn: R20

■ **neopentane**

2,2-dimethylpropane
 CAS 000463-82-1
 Index 601-005-00-6
 Class'n F+: R12 N: R51, 53
 Label F+, N
 R12, 51/53
 S(2), 9, 16, 33, 61
 207-343-7

neopentyl glycol diacrylate Note D
 2,2-dimethyltrimethylene diacrylate
 CAS 002223-82-7
 Index 607-112-00-4
 Class'n T:R24 Xi:R36/38 R43
 Label T
 R24, 36/38, 43
 S(1/2), 28, 39, 45
 218-741-5
 Conc Conc >= 20% T: R24, 36/38, 43
 Conc >= 5% and < 20% T: R24, 43
 Conc >= 1% and < 5% Xn: R21, 43
 Conc >= 0.2% and < 1% Xn: R21

nickel
 CAS 007440-02-0
 Index 028-002-00-7
 Class'n Carc Cat 3: R40 R43
 Label Xn
 R40, 43
 S(2), 22, 36
 231-111-4

nickel carbonate
 CAS 003333-67-3
 Index 028-010-00-0
 Class'n Carc Cat 3: R40 Xn: R22 R43 N: R50, 53
 Label Xn,N
 R22, 40, 43, 50/53
 S(2), 22, 36/37, 60, 61
 222-068-2

■ nickel dihydroxide
 CAS 012054-48-7
 Index 028-008-00-X
 Class'n Carc Cat 3: R40 Xn: R20/22 R43 N: R50, 53
 Label Xn, N
 R20/22, 40, 43, 50/53
 S(2), 22, 36, 60, 61
 235-008-5

■ nickel dioxide
 CAS 012035-36-8
 Index 028-004-00-8
 Class'n Carc Cat 1: R49 R43 R53
 Label T
 R49, 43, 53
 S53, 45, 61
 234-823-3

■ nickel monoxide
 CAS 001313-99-1
 Index 028-003-00-2
 Class'n Carc Cat 1: R49 R43 R53
 Label T
 R49, 43, 53
 S53, 45, 61
 215-215-7

■ nickel subsulphide
 trinickel disulphide
 CAS 012035-72-2
 Index 028-007-00-4
 Class'n Carc Cat 1: R49 R43 N: R51, 53
 Label T,N
 R49, 43, 51/53
 S53, 45, 61
 234-829-6

nickel sulphate
 CAS 007786-81-4
 Index 028-009-00-5
 Class'n Carc Cat 3: R40 Xn: R22 R42/43 N: R50, 53
 Label Xn,N
 R22, 40, 42/43, 50/53
 S(2), 22, 36/37, 60, 61
 232-104-9

■ nickel sulphide
 CAS 016812-54-7
 Index 028-006-00-9
 Class'n Carc Cat 1: R49 R43 N: R50, 53
 Label T, N
 R49, 43, 50/53
 S53, 45, 60, 61
 240-841-2

nickel tetracarbonyl Note E
 tetracarbonylnickel
 CAS 013463-39-3
 Index 028-001-00-1
 Class'n F: R11 Carc Cat 3: R40 ReprCat 2: R61 T+:
 R26 N: R50, 53
 Label F,T+,N
 R61, 11, 26, 40, 50/53
 S53, 45, 60, 61
 236-669-2

nicotine (ISO)
 3-(N-methyl-2-pyrrolidinyl)pyridine
 CAS 000054-11-5
 Index 614-001-00-4
 Class'n T+: R27 T: R25 N: R51, 53
 Label T+,N
 R25, 27, 51/53
 S(1/2), 36/37, 45, 61
 200-193-3

nicotine, salts of Note A
 Index 614-002-00-X
 Class'n T+: R26/27/28 N: R51, 53
 Label T+,N
 R26/27/28, 51/53
 S(1/2), 13, 28, 45, 61

nitrapyrin (ISO)
 2-chloro-6-trichloromethylpyridine
 CAS 001929-82-4
 Index 006-057-00-8
 Class'n Xn: R22 N: R51, 53
 Label Xn,N
 R22, 51/53
 S(2), 24, 61
 217-682-2

nitric acid ... % Note B

CAS 007697-37-2
 Index 007-004-00-1
 Class'n O: R8 C: R35
 Label O, C
 R8, 35
 S(1/2), 23, 26, 36, 45
 231 -714-2
 Conc Conc >= 20% C: R35
 Conc >= 5% and < 20% C: R34
 Conc >= 70% O: R8

1,1',1"-nitriлотripropan-2-ol
triisopropanolamine

CAS 000122-20-3
 Index 603-097-00-3
 Class'n Xi: R36 R52, 53
 Label Xi
 R36, 52/53
 S(2), 26, 61
 204-528-4

5-nitroacenaphthene

CAS 000602-87-9
 Index 609-037-00-2
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 210-025-0

nitroaniline (m) Note C

CAS 000099-09-2
 Index 612-012-00-9 (see Part III)
 Class'n T: R23/24/25 R33 R52, 53
 Label T
 R23/24/25, 33, 52/53
 S(1/2), 28, 36/37, 45, 61
 202-729-1

nitroaniline (o) Note C

CAS 000088-74-4
 Index 612-012-00-9 (see Part III)
 Class'n T: R23/24/25 R33 R52, 53
 Label T
 R23/24/25, 33, 52/53
 S(1/2), 28, 36/37, 45, 61
 201 -855-4

nitroaniline (p) Note C

CAS 000100-01-6
 Index 612-012-00-9 (see Part III)
 Class'n T: R23/24/25 R33 R52, 53
 Label T
 R23/24/25, 33, 52/53
 S(1/2), 28, 36/37, 45, 61
 202-810-1

2-nitro-p-anisidine

4-methoxy-2-nitroaniline
 CAS 000096-96-8
 Index 612-038-00-0
 Class'n T+: R26/27/28 R33 R52, 53
 Label T+
 R26/27/28, 33, 52/53
 S(1/2), 28, 36/37, 45, 61
 202-547-2

2-nitroanisole Note E

CAS 000091-23-6
 Index 609-047-00-7
 Class'n Carc Cat 2: R45 Xn: R22
 Label T
 R45, 22
 S53, 45
 202-052-1

nitrobenzene

CAS 000098-95-3
 Index 609-003-00-7
 Class'n Carc Cat 3: R40 Repr Cat 3: R62 T: R23/24/25,
 48/23/24 N: R51, 53
 Label T, N
 R23/24/25, 40, 48/23/24, 51/53, 62
 S(1/2), 28, 36/37, 45, 61
 202-716-0

4-nitrobiphenyl

CAS 000092-93-3
 Index 609-039-00-3
 Class'n Carc Cat 2: R45 N: R51, 53
 Label T, N
 R45, 51/53
 S53, 45, 61
 202-204-7

2-nitro-4,5-bis(benzyloxy)phenylacetone nitrile

CAS 117568-27-1
 Index 608-025-00-4
 Class'n R53
 Label R53
 S61
 410-970-0

nitrocellulose, containing a maximum of 12.6 % nitrogen
cellulosenitrate

Index 603-037-01 -3
 Class'n F: R11
 Label F
 R11
 S(2), 16, 33, 37/39

nitrocellulose, containing more than 12.6 % nitrogen
cellulosenitrate

Index 603-037-00-6
 Class'n E: R3 R1
 Label E
 R1, 3
 S(2), 35

nitroethane

CAS 000079-24-3
 Index 609-035-00-1
 Class'n R10 Xn: R20/22
 Label Xn
 R10, 20/22
 S(2), 9, 25, 41
 201-1 88-9
 Conc Conc >= 12.5% Xn: R20/22

nitrofen (ISO) Note E

2,4-dichlorophenyl4-nitrophenyl ether
 CAS 001836-75-5
 Index 609-040-00-9
 Class'n Carc Cat2: R45 ReprCat2: R61 Xn: R22 N:
 R50, 53
 Label T, N
 R45, 61, 22, 50/53
 S53, 45, 60, 61
 217-406-0

nitrogen dioxide

dinitrogen tetraoxide
 CAS 010102-44-0
 Index 007-002-00-0
 Class'n T+: R26 C: R34
 Label T+
 R26,34
 S(1/2), 9, 26, 28, 36/37/39, 45
 233-272-6
 Conc Note5
 Conc >= 10% T+: R26, 34
 Conc >= 5% and < 10% T R23, 34
 Conc >= 1% and < 5% T: R23, 36/37/38
 Conc >= 0.5% and < 1% Xn: R20, 36/37/38
 Conc >= 0.1% and < 0.5% Xn: R20

nitroglycerine

glycerol trinitrate
 CAS 000055-63-0
 Index 603-034-00-X
 Class'n E: R3 T+: R26/27/28 R33 N: R51, 53
 Label E, T+, N
 R3, 26/27/28, 33, 51/53
 S(1/2), 33, 35, 36/37, 45, 61
 200-240-8

nitromannite

mannitohexanitrate
 CAS 015825-70-4
 Index 603-036-00-0
 Class'n E: R3
 Label E
 R3
 S(2), 35
 239-924-6

nitromethane

CAS 000075-52-5
 Index 609-036-00-7
 Class'n R5, 10 Xn: R22
 Label Xn
 R5, 10, 22
 S(2), 41
 200-876-6
 Conc Conc >= 12.5% Xn: R22

2-nitronaphthalene

CAS 000581-89-5
 Index 609-038-00-8
 Class'n Carc Cat2: R45 N: R51, 53
 Label T, N
 R45, 51/53
 S53, 45, 61
 209-474-5

p-nitrophenol

4-nitrophenol
 CAS 000100-02-7
 Index 609-015-00-2
 Class'n Xn: R20/21/22 R33
 Label Xn
 R20/21/22, 33
 S(2), 28
 202-811-7

4-nitro phenol

p-nitrophenol
 CAS 000100-02-7
 Index 609-015-00-2
 Class'n Xn: R20/21/22 R33
 Label Xn
 R20/21/22, 33
 S(2), 28
 202-811-7

• [2-[(4-nitrophenyl)amino]ethyl]urea

CAS 027080-42-8
 Index 616-083-00-7
 Class'n R43 R52, 53
 Label Xi
 R43, 52/53
 S(2), 24, 37, 61
 410-700-1

• 4-(4-nitrophenylazo)-2,6-di-sec-butyl-phenol

CAS 111850-24-9
 Index 611-065-00-5
 Class'n Xn: R48/22 Xi: R36/38 R43 N: R50, 53
 Label Xn, N
 R36/38, 43, 48/22, 50/53
 S(2), 23, 26, 36/37, 60, 61
 410-610-2

• (1S,3S,5R,6R)-(4-nitrophenylmethyl)-1-dioxo-6-phenylacetamido-penam-3-carboxylate

CAS 054275-93-3
 Index 607-358-00-2
 Class'n R42
 Label Xn
 R42
 S(2), 22
 412-670-5

• (1S,4R,6R,7R)-(4-nitrophenylmethyl)3-methylene-1-oxo-7-phenylacetamido-cepham-4-carboxylate

CAS 076109-32-5
 Index 607-359-00-8
 Class'n R42
 Label Xn
 R42
 S(2), 22
 412-800-0

● 2-nitro-2-phenyl-1,3-propanediol

CAS 005428-02-4
 Index 609-058-00-7
 Class'n T: R39,48/25 Xn: R21/22 Xi: R41 R43 N: R51,53
 Label T,N
 R21/22, 39, 41, 43, 48/25, 51/53
 S53, 45, 61
 410-360-4

1-nitropropane

CAS 000108-03-2
 Index 609-001-00-6
 Class'n R10 Xn:R20/21/122
 Label Xn
 R10, 20/21/22
 S(2), 9
 203-544-9
 Conc Conc >= 5% Xn: R20/21/22

2-nitropropane Note E

CAS 000079-46-9
 Index 609-002-00-1
 Class'n R10 Carc Cat 2: R45 Xn: R20/22
 Label T
 R45, 10, 20/22
 S53, 45
 201-209-1
 Conc Conc >= 25% T: R45, 20/22
 Conc >= 0.1% and < 25% T: R45

4-nitrosoaniline

CAS 000659-49-4
 Index 612-011-00-3
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2), 25, 28
 211-535-6

■ N-nitrosodimethylamine Note E
dimethylnitrosoamine

CAS 000062-75-9
 Index 612-077-00-3
 Class'n Carc Cat 2: R45 T+: R26 T: R25,48/25 N: R51,53
 Label T+, N
 R45, 25, 26, 48/25, 51/53
 S53, 45, 61
 200-549-8
 Conc Conc >= 25% T+: R45, 25, 26, 48/25
 Conc >= 10% and < 25% T+: R45, 22, 26, 48/25
 Conc >= 7% and < 10% T+: R45, 22, 26, 48/22
 Conc >= 3% and < 7% T: R45, 22, 23; 48/22
 Conc >= 1% and < 3% T: R45, 23, 48/22
 Conc >= 0.1% and < 1% T: R45, 20
 Conc >= 0.001% and < 0.1% T: R45

■ nitrosodipropylamine Note E

CAS 000621-64-7
 Index 612-098-00-8
 Class'n Carc Cat 2: R45 Xn: R22 N: R51,53
 Label T,N
 R45, 22, 51/53
 S53, 45, 61
 210-698-0
 Conc Conc >= 25% T: R45, 22
 Conc >= 0.001% and < 25% T: R45

2,2'-(nitrosoimino)bisethanol

CAS 001116-54-7
 Index 612-090-00-4
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 214-237-4

■ 4-nitrosophenol

CAS 000104-91-6
 Index 604-042-00-6
 Class'n Muta Cat 3: R68 Xn: R22 Xi: R41 N: R51,53
 Label Xn,N
 R22,41,51/53,68
 S(2), 26, 36/37/39, 47, 49, 61
 203-251-6

2-nitrotoluene Note C

CAS 000088-72-2
 Index 609-006-00-3 (see Part III)
 Class'n T: R23/24/25 R33 N: R51,53
 Label T,N
 R23/24/25, 33, 51/53
 S(1/2), 28, 37, 45, 61
 201-853-3

4-nitrotoluene Note C

CAS 000099-99-0
 Index 609-006-00-3 (see Part III)
 Class'n T: R23/24/25 R33 N: R51,53
 Label T, N
 R23/24/25, 33, 51/53
 S(1/2), 28, 37, 45, 61
 202-808-0

nitrotoluidine Note C

Index 612-025-00-X
 Class'n T: R23/24/25 R33 N: R51,53
 Label T, N
 R23/24/25, 33, 51/53
 S(1/2), 28, 36/37, 45, 61

● 3-((2-nitro-4-(trifluoromethyl)phenyl)amino)propane-1,2-diol

CAS 104333-00-8
 Index 603-153-00-7
 Class'n Xn: R22 R52,53
 Label Xn
 R22, 52/53
 S(2), 22, 61
 410-010-0

nonanoic acid

CAS 000112-05-0
 Index 607-197-00-8
 Class'n C: R34
 Label C
 R34
 S(1/2), 26, 28, 36/37/39, 45
 203-931-2

6-(nonylamino)-6-oxo-peroxyhexanoic acid

CAS 104788-63-8
 Index 617-014-00-3
 Class'n O: R7 Xi: R41 R43 N: R50
 Label O, Xi, N
 R7, 41, 43, 50
 S(2), 3/7, 14, 26, 36/37/39, 61
 406-680-9

● **nonylphenol**

CAS 025154-52-3
 Index 601-053-00-8 (see Part III)
 Class'n Xn: R22 C: R34 N: R50, 53
 Label C, N
 R22, 34, 50/53
 S(1/2), 26, 36/37/39, 45, 60, 61
 246-672-0

● **4-nonylphenol, branched**

CAS 084852-15-3
 Index 601-053-00-8 (see Part III)
 Class'n Xn: R22 C: R34 N: R50, 53
 Label C, N
 R22, 34, 50/53
 S(1/2), 26, 36/37/39, 45, 60, 61
 284-325-5

4-nonylphenol, reaction products with formaldehyde and dodecane-1-thiol

Index 604-035-00-8
 Class'n R43 R53
 Label Xi
 R43, 53
 S(2), 24, 37, 61
 404-160-6

mixture of

and **5-nonyl-1,2,4-triazol-3-ylamine**and **5-heptyl-1,2,4-triazol-3-ylamine**

Index 613-077-00-6 (see Part III)
 Class'n Xn: R22 Xi: R36 N: R51, 53
 Label Xn, N
 R22, 36, 51/53
 S(2), 22, 26, 61
 401-940-8

norbormide (ISO)**5-(*a*-hydroxy-*a*-2-pyridylbenzyl)-7-(*a*-2-pyridylbenzylidene) bicyclo[2.2.1]hept-5-ene-2,3-dicarboximide**

CAS 000991-42-4
 Index 650-004-00-7
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 213-589-6

nomion (ISO)**1,1-dimethyl-3-(perhydro-4,7-methanoinden-5-yl)urea**

CAS 002163-79-3
 Index 006-058-00-3
 Class'n Xn: R22
 Label Xn
 R22
 S(2)

1,3,4,5,6,7,8,8-octachloro-1,3,3a,4,7,7a-hexahydro-4,7-methanoisobenzofuran

isobenzan (ISO)
 CAS 000297-78-9
 Index 602-053-00-0
 Class'n T+: R27/28 N: R50
 Label T+, N
 R27/28, 50
 S(1/2), 28, 36/37, 45, 61
 206-045-4

1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan

chlordan (ISO)
 CAS 000057-74-9
 Index 602-047-00-8
 Class'n Carc Cat 3: R40 Xn: R21/22 N: R50, 53
 Label Xn, N
 R21/22, 40, 50/53
 S(2), 36/37, 60, 61
 200-349-0

mixture of

and **n-octadecylaminodiethyl bis(hydrogen maleate)**and **n-octadecylaminodiethyl hydrogen maleate hydrogenphthalate**

Index 607-279-00-3 (see Part III)
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61
 405-960-8

mixture of

and **n-octadecylaminodiethyl hydrogen maleate hydrogenphthalate**and **n-octadecylaminodiethyl bis(hydrogen maleate)**

Index 607-279-00-3 (see Part III)
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61
 405-960-8

● **octamethylcyclotetrasiloxane**

CAS 000556-67-2
 Index 014-018-00-1
 Class'n Repr Cat 3: R62 R53
 Label Xn
 R53, 62
 S(2), 36/37, 46, 51, 61
 209-136-7

octamethylpyrophosphoramidate

schradan (ISO)

CAS 000152-16-9
 Index 015-026-00-8
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 36/37, 38, 45
 205-801-0

octane {3,3-dimethylhexane} Note C

CAS 000563-16-6
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-243-9
 Conc Note 4

octane {3,4-dimethylhexane} Note C

CAS 000583-48-2
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-504-7
 Conc Note 4

octane {2,3-dimethylhexane} Note C

CAS 000584-94-1
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-547-1
 Conc Note 4

octane {2,4-dimethylhexane} Note C

CAS 000589-43-5
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-649-6
 Conc Note 4

octane {2,2-dimethylhexane} Note C

CAS 000590-73-8
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-689-4
 Conc Note 4

octane {2,5-dimethylhexane} Note C

CAS 000592-13-2
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-745-8
 Conc Note 4

octane {3-ethylhexane} Note C

CAS 000619-99-8
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 210-621-0
 Conc Note 4

octane {3-ethyl-2-methylpentane} Note C

CAS 000609-26-7
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 210-187-2
 Conc Note 4

octane {3-ethyl-3-methylpentane} Note C

CAS 001067-08-9
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 213-923-0
 Conc Note 4

octane {isooctane} Note C

CAS 026635-64-3
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 247-861-0
 Conc Note 4

octane (4-methylheptane) Note C

CAS 000589-53-7
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-650-1
 Conc Note 4

octane (3-methylheptane) Note C

CAS 000589-81-1
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-660-6
 Conc Note 4

octane {2-methylheptane} Note C

CAS 000592-27-8
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-747-9
 Conc Note 4

octane {octane} Note C

CAS 000111-65-9
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 203-892-1
 Conc Note 4

octane {2,2,3,3-tetramethylbutane} Note C

CAS 000594-82-1
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-855-6
 Conc Note 4

● mixture of

1-octane-N,N,N-trimethylammonium di-
 octylphosphate
 and
 di-(1-octane-N,N,N-trimethylammonium)
 octylphosphate

and

1-octane-N,N,N-trimethylammonium octylphosphate
 Index 015-170-00-1 (see Part III)
 Class'n Xn: R21/22 C: R34
 Label C
 R21/22, 34
 S(1/2), 26, 36/37/39, 45
 407-490-9

● mixture of

1-octane-N,N,N-trimethylammonium octylphosphate
 and
 di-(1-octane-N,N,N-trimethylammonium)
 octylphosphate

and

1-octane-N,N,N-trimethylammonium di-
 octylphosphate
 Index 015-170-00-1 (see Part III)
 Class'n Xn: R21/22 C: R34
 Label C
 R21/22,34
 S(1/2), 26, 36/37/39, 45
 407-490-9

Octane {2,2,4-trimethylpentane} Note C

CAS 000540-84-1
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 208-759-1
 Conc Note 4

octane {2,3,3-trimethylpentane} Note C

CAS 000560-21-4
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N,
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-207-2
 Conc Note 4

octane {2,2,3-trimethylpentane} Note C

CAS 000564-02-3
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-266-4
 Conc Note 4

octane {2,3,4-trimethylpentane} Note C

CAS 000565-75-3
 Index 601-009-00-8 (see Part III)
 Class'n F: R11 Xn: R65 Xi: R38 R67 N: R50,53
 Label F,Xn,N
 R11, 38, 50/53, 65, 67
 S(2), 9, 16, 29, 33, 60, 61, 62
 209-292-6
 Conc Note 4

● octasodium 2-(8-(4-chloro-6-(3-((4-chloro-6-(3,6-disulfonato-2-(1,5-disulfonato-naphthalen-2-ylazo)-1-hydroxynaphthalen-8-ylamino)-1,3,5-triazin-2-yl)aminomethyl)phenylamino)-1,3,5-triazin-2-ylamino)-3,6-disulfonato-1-hydroxynaphthalen-2-ylazo)naphthalene-1,5-disulfonate

Index 611-062-00-9
 Class'n Xi: R38,41
 Label Xi
 R38,41
 S(2), 22, 26, 37/39
 413-550-5

● octasodium 2-(6-(4-chloro-6-(3-(N-methyl-N-(4-chloro-6-(3,5-disulfonato-2-(1,5-disulfonato-2-naphthylazo)-1-hydroxy-6-naphthylamino)-1,3,5-triazin-2-yl)aminomethyl)phenylamino)-1,3,5-triazin-2-ylamino)-3,5-disulfonato-1-hydroxy-2-naphthylazo)naphthalene-1,5-disulfonate

CAS 148878-21-1
 Index 611-059-00-2
 Class'n Xi: R41 R43 R52,53
 Label Xi
 R41, 43, 52/53
 S(2), 22, 24, 26, 37/39, 61
 412-960-1

octylene glycol

2-ethylhexane-1,3-diol
ethoexadiol
CAS 000094-96-2
Index 603-087-00-9
Class'n Xi: R41
Label Xi
R41
S(2), 25, 26, 39, 46
202-377-9

2-octyl-2H-isothiazol-3-one

CAS 026530-20-1
Index 613-112-00-5
Class'n T: R23/24 Xn: R22 C: R34 R43 N: R50,53
Label T,N
R22, 23/24, 34, 43, 50/53
S(1/2), 26, 36/37/39, 45, 60, 61
247-761-7
Conc Conc >= 25% T: R22, 23/24, 34, 43
Conc >= 10% and < 25% C: R20/21, 34, 43
Conc >= 5% and < 10% Xn: R20/21, 36/38, 43
Conc >= 3% and < 5% Xn: R20/21, 43
Conc >= 0.05% and < 3% Xi: R43

N-(n-octyl)-2-pyrrolidinone

CAS 002687-94-7
Index 613-098-00-0
Class'n C: R34 N: R51, 53
Label C,N
R34, 51/53
S(1/2), 23, 26, 36/37/39, 45, 61
403-700-8

2-(octylthio)ethanol

2-hydroxyethyl octyl sulphide
CAS 003547-33-9
Index 603-088-00-4
Class'n Xi: R41
Label Xi
R41
S(2), 26
222-598-4

octyl 3,4,5-trihydroxybenzoate

CAS 001034-01-1
Index 607-199-00-9
Class'n Xn: R22 R43
Label Xn
R22, 43
S(2), 24, 37
213-853-0

oleum ... % SO₃ Note B

Index 016-019-00-2
Class'n R14 C: R35 Xi: R37
Label C
R14, 35, 37
S(1/2), 26, 30, 45

omethoate (ISO)

O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate
CAS 001113-02-6
Index 015-066-00-6
Class'n T: R25 Xn: R21 N: R50
Label T,N
R21, 25, 50
S(1/2), 23, 36/37, 45, 61
214-197-8

orthophosphoric acid ... % Note B

phosphoric acid ... %
CAS 007664-38-2
Index 015-011-00-6
Class'n C: R34
Label C
R34
S(1/2), 26, 45
231-633-2
Conc Conc >= 25% C: R34
Conc >= 10% and < 25% Xi: R36/38

osmic acid

osmiumtetraoxide
CAS 020816-12-0
Index 076-001-00-5
Class'n T+: R26/27/28 C: R34
Label T+
R26/27/28, 34
S(1/2), 7/9, 26, 45
244-058-7

osmiumtetraoxide

osmic acid
CAS 020816-12-0
Index 076-001-00-5
Class'n T+: R26/27/28 C: R34
Label T+
R26/27/28, 34
S(1/2), 7/9, 26, 45
244-058-7

ouabain

CAS 000630-60-4
Index 614-025-00-5
Class'n T: R23/25 R33
Label T
R23/25, 33
S(1/2), 45
211-139-3

7-oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid

endothal
CAS 000145-73-3
Index 607-150-00-1
Class'n T: R25 Xn: R21 Xi: R36/37/38
Label T
R21, 25, 36/37/38
S(1/2), 36/37/39, 45
205-660-5

**oxadiazon**

3-[2,4-dichloro-5-(1-methylethoxy)phenyl]-5- 1,1-dimethylethyl)-
1,3,4-oxadiazol-2(3H)-one

CAS 019666-30-9
Index 606-045-00-8
Class'n N: R50, 53
Label N
R50/53
S60, 61
243-21 5-7

oxalic acid

CAS 000144-62-7
Index 607-006-00-8
Class'n Xn: R21/22
Label Xn
R21/22
S(2), 24/25
205-634-3
Conc Conc >= 5% Xn: R21/22

oxalic acid diethylester

diethyl oxalate

CAS 000095-92-1
Index 607-147-00-5
Class'n Xn: R22 Xi: R36
Label Xn
R22, 36
S(2), 23
202-464-1

oxalic acid, salts of Note A

Index 607-007-00-3
Class'n Xn: R21/22
Label Xn
R21/22
S(2), 24/25
Conc Conc >= 5% Xn: R21/22

oxalonitrile

cyanogen

CAS 000460-19-5
Index 608-011-00-8
Class'n F: R11 T: R23 N: R50, 53
Label F, T, N
R11, 23, 50/53
S(1/2), 23, 45, 60, 61
207-306-5

oxamyl

N',N'-dimethylcarbamoyl(methylthio)methylenamine N-
methylcarbamate

CAS 023135-22-0
Index 006-059-00-9
Class'n T+: R26/28 Xn: R21 N: R51, 53
Label T+, N
R21, 26/28, 51/53
S(1/2), 36/37, 45, 61
245-445-3

1,2-oxathiolane 2,2-dioxide Note E

1,3-propanesultone

CAS 001120-71-4
Index 016-032-00-3
Class'n Carc Cat 2: R45 Xn: R21/22
Label T
R45, 21/22
S53, 45
214-317-9
Conc Conc >= 25% T: R45, 21/22
Conc >= 0.01% and < 25% T: R45

oxirane Note E

ethyleneoxide

CAS 000075-21-8
Index 603-023-00-X
Class'n F+: R12 Carc Cat 2: R45 Muta Cat 2: R46 T:
R23 Xi: R36/37/38
Label F+, T
R45, 46, 12, 23, 36/37/38
S53, 45
200-849-9

oxirane, mono[(C12-14-alkoxy)methyl] derivatives

CAS 068609-97-2
Index 603-103-00-4
Class'n Xi: R38 R43
Label Xi
R38, 43
S(2), 24, 37
271-846-8

mixture of

1-(4-(4-(5-oxo-2H-2-furylideneamino)benzyl)phenyl)
pyrrole-2,5-dione

and

1,1'-(methylenebis(4,1-phenylene))dipyrrole-2,5-dione

and

N-(4-(4-(2,5-dioxopyrrol-1-yl)benzyl)phenyl)
acetamide

Index 613-085-00-X (see Part III)
Class'n R43 N: R50, 53
Label Xi, N
R43, 50/53
S(2), 24, 37, 60, 61
401-970-1

● **oxo-((2,2,6,6-tetramethylpiperidin-4-yl)amino)
carbonylacetohydrazide**

CAS 122035-71-6
Index 007-026-00-1
Class'n Xi: R41 R43
Label Xi
R41, 43
S(2), 8, 22, 24, 26, 30, 37/39
413-230-5

■	oxybis(chloromethane) bis (chloromethyl) ether	Note E
CAS	000542-88-1	
Index	603-046-00-5	
Class'n	R10 Carc Cat 1: R45 T+: R26 T: R24 Xn: R22	
Label	T+	
	R45, 10, 22, 24, 26	
	S53, 45	
	208-832-8	
Conc	Conc >= 25% T+: R45, 22, 24, 26	
	Conc >= 7% and < 25% T+: R45, 21, 26	
	Conc >= 3% and < 7% T: R45, 21, 23	
	Conc >= 1% and < 3% T: R45, 23	
	Conc >= 0.1% and < 1% T: R45, 20	
	Conc >= 0.001% and < 0.1% T: R45	

●	2,2'-oxybisethanol	
	diethyleneglycol	
CAS	000111-46-6	
Index	603-140-00-6	
Class'n	Xn: R22	
Label	Xn	
	R22	
	S(2), 46	
	203-872-2	

	4,4'-oxybis(ethylenethio)diphenol	
CAS	090884-29-0	
Index	604-036-00-3	
Class'n	R43 N: R51, 53	
Label	Xi, N	
	R43, 51/53	
	S(2), 24, 37, 61	
	404-590-4	

	oxycarboxin (ISO)	
	2,3-dihydro-6-methyl-5-(N-phenylcarbamoyl)-1,4-oxothiine 4,4-dioxide	
CAS	005259-88-1	
Index	006-060-00-4	
Class'n	Xn: R22 R52, 53	
Label	Xn	
	R22, 52/53	
	S(2), 61	
	226-066-2	

	oxydemeton-methyl	
	S-2-(ethylsulphinyl)ethyl OO-dimethyl phosphorothioate	
CAS	000301-12-2	
Index	015-046-00-7	
Class'n	T: R24/25 N: R50	
Label	T, N	
	R24/25, 50	
	S(1/2), 23, 36/37, 45, 61	
	206-110-7	

	2,2'-oxydiethyl diacrylate	Note D
	diethyleneglycol diacrylate	
CAS	004074-88-8	
Index	607-1 20-00-8	
Class'n	T: R24 Xi: R36/38 R43	
Label	T	
	R24, 36/38, 43	
	S(1/2), 28, 39, 45	
	223-791 -6	
Conc	Conc >= 20% T: R24, 36/38, 43	
	Conc >= 2% and < 20% T: R24, 43	
	Conc >= 0.2% and < 2% Xn: R21, 43	

	oxydiethylene bis(chlorofonnate)	
CAS	000106-75-2	
Index	607-141 -00-2	
Class'n	Xn: R22 Xi: R38, 41 N: R51, 53	
Label	Xn, N	
	R22, 38, 41, 51/53	
	S(2), 23, 26, 61	
	203-430-9	

	oxydiethylene dinitrate	
	diethylene glycol dinitrate	
	digol dinitrate	
CAS	000693-21-0	
Index	603-033-00-4	
Class'n.	E: R3 T+: R26/27/28 R33 R52, 53	
Label	E, T+	
	R3, 26/27/28, 33, 52/53	
	S(1/2), 33, 35, 36/37, 45, 61	
	211-745-8	

●	4,4'-oxydiphthalic anhydride	
CAS	001823-59-2	
Index	607-352-00-X	
Class'n	R52, 53	
Label	R52/53	
	S61	
	412-830-4	

	oxydisulfoton	
	O O-diethyl S-[2-(ethylsulphinyl)ethyl]phosphorodithioate	
CAS	002497-07-6	
Index	015-096-00-X	
Class'n	T+: R28 T: R24	
Label	T+	
	R24, 28	
	S(1/2), 28, 36/37, 45	
	219-679-1	

	oxygen	
CAS	007782-44-7	
Index	008-001 -00-8	
Class'n	O: R8	
Label	O	
	R8	
	S(2), 17	
	231-956-9	

Papain

CAS 009001-73-4
 Index 647-007-00-0
 Class'n Xi: R36/37/38 R42
 Label Xn
 R36/37/38, 42
 S(2), 22, 24, 26, 36/37
 232-627-2

papaverine

CAS 000058-74-2
 Index 614-01 8-00-7
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 22
 200-397-2

papaverine, salts of Note A

Index 614-019-00-2
 Class'n Xn:R22
 Label Xn
 R22
 S(2), 22

paraldehyde

2,4,6-hhethyl-1,3,5-trioxan
 CAS 000123-63-7
 Index 605-004-00-1
 Class'n F: R11
 Label F
 R11
 S(2), 9, 16, 29, 33
 204-639-8

paraquat dichloride

1,1-dimethyl-4,4'-bipyridinium dichloride
 paraquat dimethylsulfate
 1,1-dimethyl-4,4'-bipyridinium dimethylsulphate
 CAS 001910-42-5
 Index 613-090-00-7
 Class'n T+: R26 T: R24/25, 48/25 Xi: R36/37/38 N:
 R50,53
 Label T+, N
 R24/25, 26, 36/37/38, 48/25, 50/53
 S(1/2), 22, 28, 36/37/39, 45, 60, 61
 217-615-7

paraquat dimethylsulfate

paraquatdichloride
 1,1-dimethyl-4,4'-bipyridinium dichloride
 1,1-dimethyl-4,4'-bipyridinium dimethylsulphate
 CAS 002074-50-2
 Index 613-090-00-7
 Class'n T+: R26 T: R24/25, 48/25 Xi: R36/37/38 N:
 R50, 53
 Label T+,N
 R24/25, 26, 36/37/38, 48/25, 50/53
 S(1/2), 22, 28, 36/37/39, 45, 60, 61
 218-196-3

parathion (ISO)

O,O-diethyl O-4-nitrophenyl phosphorothioate
 CAS 000056-38-2
 Index 015-034-00-1
 Class'n T+: R27/28 N: R50,53
 Label T+, N
 R27/28, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 200-271-7

parathion - methyl (ISO)

O,O-dimethyl O-4-nitrophenyl phosphorothioate
 CAS 000298-00-0
 Index 015-035-00-7
 Class'n T+: R28 T: R24
 Label T+
 R24, 28
 S(1/2), 28, 36/37, 45
 206-050-1

PCB Note C

polychlorobiphenyls
 CAS 001336-36-3
 Index 602-039-00-4
 Class'n R33 N: R50, 53
 Label Xn, N
 R33, 50/53
 S(2), 35, 60, 61
 215-648-1
 Conc Conc >= 0.005% Xn: R33

pebulate (ISO)

N-butyl-N-ethyl-S-propylthiocarbamate
 CAS 001114-71-2
 Index 006-034-00-2
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22, 51/53
 S(2), 23, 61
 214-215-4

pendimethalin (ISO)

N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine
 CAS 040487-42-1
 Index 609-042-00-X
 Class'n R43 R50, 53
 Label Xi, N
 R43, 50/53
 S(2), 24, 29, 37, 60, 61
 254-938-2

pentabromodiphenyl ether

diphenyl ether, pentabromo derivative
 CAS 032534-81-9
 Index 602-083-00-4
 Class'n Xn: R48/21/22 N: R50, 53 R64
 Label Xn, N
 R48/21/22, 64, 50/53
 S(1/2), 36/37, 45, 60, 61
 251-084-2

pentachlorobenzene

CAS 000608-93-5
 Index 602-074-00-5
 Class'n F: R11 Xn: R22 N: R50, 53
 Label F, Xn, N
 R11, 22, 50/53
 S(2), 41, 46, 50, 60, 61
 210-172-0

pentachloroethane

CAS 000076-01-7
 Index 602-017-00-4
 Class'n Carc Cat 3: R40 T: R48/23 N: R51, 53
 Label T, N
 R40, 48/23, 51/53
 S(1/2), 23, 36/37, 45, 61
 200-925-1
 Conc Conc \geq 1% T: R40, 48/23
 Conc \geq 0.2% and $<$ 1% Xn: R48/20

pentachloronaphthalene Note C

CAS 001321-64-8
 Index 602-041-00-5
 Class'n Xn: R21/22 Xi: R36/38 N: R50, 53
 Label Xn, N
 R21/22, 36/38, 50/53
 S(2), 35, 60, 61
 215-320-8

pentachloronitrobenzene
quintozene (ISO)

CAS 000082-68-8
 Index 609-043-00-5
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 201-435-0

pentachlorophenol

CAS 000087-86-5
 Index 604-002-00-8
 Class'n Carc Cat 3: R40 T+: R26 T: R24/25 Xi:
 R36/37/38 N: R50, 53
 Label T+, N
 R24/25, 26, 36/37/38, 40, 50/53
 S(1/2), 22, 36/37, 45, 52, 60, 61
 201-778-6

pentaerythritol tetraacrylate Note D

CAS 004986-89-4
 Index 607-122-00-9
 Class'n Xi: R36/38 R43
 Label Xi
 R36/38, 43
 S(2), 26, 39
 225-644-1
 Conc Conc \geq 20% Xi: R36/38, 43
 Conc \geq 1% and $<$ 20% Xi: R43

mixture of

pentaerythritol tetraesters
 and
 heptanoic acid
 and
 2-ethylhexanoic acid

Index 607-296-00-6 (see Part III)
 Class'n R53
 Label R53
 S61
 410-830-9

pentaerythritol tetranitrate

PETN
 CAS 000078-11-5
 Index 603-035-00-5
 Class'n E: R3
 Label E
 R3
 S(2), 35
 201-084-3

pentaerythritol triacrylate Note D

CAS 003524-68-3
 Index 607-110-00-3
 Class'n Xi: R36/38 R43
 Label Xi
 R36/38, 43
 S(2), 39
 222-540-8
 Conc Conc \geq 20% Xi: R36/38, 43
 Conc \geq 1% and $<$ 20% Xi: R43

pentaethylenehexamine

3,6,9,12-tetra-azatetradecamethylenediamine

CAS 004067-16-7
 Index 612-064-00-2
 Class'n C: R34 R43 N: R50, 53
 Label C, N
 R34, 43, 50/53
 S(1/2), 26, 36/37/39, 45, 60, 61
 223-775-9
 Conc Conc \geq 10% C: R34, 43
 Conc \geq 5% and $<$ 10% Xi: R36/38, 43
 Conc \geq 1% and $<$ 5% Xi: R43

pentane Note C

CAS 000109-66-0
 Index 601-006-00-1 (see Part III)
 Class'n F+: R12 Xn: R65 R66 R67 N: R51, 53
 Label F+, Xn, N
 R12, 51/53, 65, 66, 67
 S(2), 9, 16, 29, 33, 61, 62
 203-692-4
 Conc Note 4

1,5-pentanedial

glutaraldehyde

glutaral

CAS 000111-30-8

Index 605-022-00-X

Class'n T: R23/25 C: R34 R42/43 N: R50

Label T, N

R23/25, 34, 42/43, 50

S(1/2), 26, 36/37/39, 45, 61

203-856-5

Conc Conc >= 50% T: R23/25, 34, 42/43

Conc >= 25% and < 50% T: R22, 23, 34, 42/43

Conc >= 10% and < 25% C: R20/22, 34, 42/43

Conc >= 2% and < 10% Xn: R20/22, 37/38, 41, 42/43

Conc >= 1% and < 2% Xn: R36/37/38, 42/43

Conc >= 0.5% and < 1% Xi: R36/37/38, 43

pentane-2,4-dione

acetylacetone

CAS 000123-54-6

Index 606-029-00-0

Class'n R10 Xn: R22

Label Xn

R10, 22

S(2), 21, 23, 24/25

204-634-0

Conc Conc >= 25% Xn: R22

tert-pentanol

2-methylbutan-2-ol

CAS 000075-85-4

Index 603-007-00-2

Class'n F: R11 Xn: R20

Label F, Xn

R11, 20

S(2), 9, 16, 24/25

200-908-9

Conc Conc >= 25% Xn: R20

pentan-3-one

diethyl ketone

CAS 000096-22-0

Index 606-006-00-5

Class'n R11 Xi: R37 R66 R67

Label F, Xi

R11, 37, 66, 67

S(2), 9, 16, 25, 33

202-490-3

pentasodium 5-anilino-3-(4-(4-(6-chloro-4-(3-**sulphonatoanilino)-1,3,5-triazin-2-ylami)-2,5-**
dimethylphenylazo)-2,5-disulphonatophenylazo)-4-
hydroxynaphthalene-2,7-disulphonate

Index 016-035-00-X

Class'n Xi: R36

Label Xi

R36

S(2), 22, 26

400-120-7

● mixture of

pentasodium [(1-(3-(4-anilino-3-sulfonatophenylazo)-
4-hydroxy-2-oxidophenylazo)-6-nitro-4-sulfonato-2-
naphtholato)-(5-(4-anilino-3-sulfonatophenylazo)-4-
hydroxy-2-oxidophenylazo)-6-nitro-4-sulfonato-2-
naphtholato]ferrate(1-)

and

pentasodium bis 1-(3(or 5)-(4-anilino-3-
sulfonatophenylazo)-4-hydroxy-2-oxidophenylazo)-6-
nitro-4-sulfonato-2-naphtholato]ferrate(1-)

Index 611-082-00-8 (see Part III)

Class'n N: R51, 53

Label N

R51/53

S61

407-570-3

● mixture of

pentasodium bis(1-(3(or 5)-(4-anilino-3-
sulfonatophenylazo)-4-hydroxy-2-oxidophenylazo)-6-
nitro-4-sulfonato-2-naphtholato]ferrate(1-)

and

pentasodium [(1-(3-(4-anilino-3-sulfonatophenylazo)-
4-hydroxy-2-oxidophenylazo)-6-nitro-4-sulfonato-2-
naphtholato)-(5-(4-anilino-3-sulfonatophenylazo)-4-
hydroxy-2-oxidophenylazo)-6-nitro-4-sulfonato-2-
naphtholato]ferrate(1-)

Index 611-082-00-8 (see Part III)

Class'n N: R51, 53

Label N

R51/53

S61

407-570-3

pentyl acetate Note C

CAS 000628-63-7

Index 607-130-00-2 (see Part III)

Class'n R10 R66

Label R10, 66

S(2), 23, 25

211-047-3

N-tert-pentyl-2-benzothiazolesulfenamide

CAS 110799-28-5

Index 613-101-00-5

Class'n R43 R52, 53

Label Xi

R43, 52/53

S(2), 36/37, 61

404-380-2

4-pentylcyclohexanone

CAS 061203-83-6

Index 606-051-00-0

Class'n N: R51, 53

Label N

R51/53

S61

406-670-4

pentyl formate Note C

CAS 000638-49-3
 Index 607-018-00-3 (see Part III)
 Class'n R10 Xi: R36/37
 Label Xi
 R10, 36/37
 S(2), 24
 211-340-6

mixture of
pentyl methylphosphinate
and

2-methylbutyl methylphosphinate
 CAS 087025-52-3
 Index 015-144-00-X (see Part III)
 Class'n C:R34
 Label C
 R34
 S(1/2), 26, 36/37/39, 45
 402-090-0

pentyl nitrite

"amyl nitrite", mixed isomers
 CAS 000463-04-7
 Index 007-020-00-9
 Class'n F:R11 Xn:R20/22
 Label F,Xn
 R11,20/22
 S(2), 16, 24, 46
 207-332-7

pentyl propionate Note C

CAS 000624-54-4
 Index 607-131-00-8 (see Part III)
 Class'n R10
 Label R10
 S(2), 23, 24
 210-852-7

Pepsin A

CAS 009001-75-6
 Index 647-008-00-6
 Class'n Xi: R36/37/38 R42
 Label Xn
 R36/37/38, 42
 S(2), 22, 24, 26, 36/37
 232-629-3

peracetic acid ... % Notes B and D

CAS 000079-21-0
 Index 607-094-00-8
 Class'n R10 O: R7 Xn: R20/21/22 C: R35 N: R50
 Label O, C, N
 R7, 10, 20/21/22, 35, 50
 S(1/2), 3/7, 14, 36/37/39, 45, 61
 201-186-8
 Conc Conc >= 10% C: R20/21/22, 35
 Conc >= 5% and < 10% C: R34
 Conc >= 1% and < 5% Xi: R36/37/38

perchloric acid ... % Note B

CAS 007601-90-3
 Index 017-006-00-4
 Class'n R5 O: R8 C: R35
 Label O, C
 R5, 8, 35
 S(1/2), 23, 26, 36, 45
 231-512-4
 Conc Conc >= 50% C: R35
 Conc >= 10% and < 50% C: R34
 Conc >= 1% and < 10% Xi: R36/38
 Conc >= 50% O: R5, 8

perchloropentacyclo[5,3,0,0.2.6,0.3.9,0.4.8]decan-5-one
chlordecone (ISO)

decachloropentacyclo[5,2,1,0.2.6,0.3.9,0.5.8]decan-4-one
 CAS 000143-50-0
 Index 606-01 9-00-6
 Class'n Carc Cat 3: R40 T: R24/25 N: R50, 53
 Label T, N
 R24/25, 40, 50/53
 S(1/2), 22, 36/37, 45, 60, 61
 205-601-3

perfluidone

1,1,1-trifluoro-N-(4-phenylsulphonyl-o-tolyl)
 methanesulphonamide
 CAS 037924-13-3
 Index 616-019-00-8
 Class'n Xn: R22 Xi: R36
 Label Xn
 R22, 36
 S(2)
 253-718-3

permethrin

m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-
 dimethylcyclopropanecarboxylate
 CAS 052645-53-1
 Index 613-058-00-2
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 258-067-9

PETN

pentaerythritol tetranitrate
 CAS 000078-11-5
 Index 603-035-00-5
 Class'n E: R3
 Label E
 R3
 S(2), 35
 201-084-3

petroleum substances
baseoil - unspecified

distillates (petroleum), heavy hydrocracked Notes Hand L

CAS 064741-76-0
Index 649-453-00-1 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-077-7

distillates (petroleum), solvent-refined heavy paraffinic

Notes Hand I

CAS 064741-88-4
Index 649-454-00-7 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-090-8

distillates (petroleum), solvent-refined light paraffinic

Notes Hand I

CAS 064741-89-5
Index 649-455-00-2 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-091-3

residual oils (petroleum), solvent deasphalted Notes H and L

CAS 064741-95-3
Index 649-456-00-8 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-096-0

distillates (petroleum), solvent-refined heavy naphthenic

Notes Hand L

CAS 064741-96-4
Index 649-457-00-3 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-097-6

distillates (petroleum), solvent-refined light naphthenic

Notes Hand L

CAS 064741-97-5
Index 649-458-00-9 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-098-1

residual oils (petroleum), solvent-refined Notes H and L

CAS 064742-01-4
Index 649-459-00-4 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-101-6

distillates (petroleum), clay-treated paraffinic Notes H and L

CAS 064742-36-5
Index 649-460-00-X (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-137-2

distillates (petroleum), clay-treated light paraffinic

Notes Hand L

CAS 064742-37-6
Index 649-461-00-5 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-138-8

residual oils (petroleum), clay-treated Notes H and L

CAS 064742-41-2
Index 649-462-00-0 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-143-5

distillates (petroleum), clay treated heavy naphthenic

Notes Hand L

CAS 064742-44-5
Index 649-463-00-6 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-146-1

distillates (petroleum), clay-treated light naphthenic

Notes Hand I

CAS 064742-45-6
Index 649-464-00-1 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-147-7

distillates (petroleum), hydrotreated heavy naphthenic

Notes Hand L

CAS 064742-52-5
Index 649-465-00-7 (see Part II)
Class'n Carc Cat 2: R45
Label T
R45
S53, 45
265-155-0

distillates (petroleum), hydrotreated light naphthenic

NotesHandL

CAS 064742-53-6
 Index 649-466-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-156-6

distillates (petroleum), solvent-dewaxed heavy naphthenic

NotesHandL

CAS 064742-63-8
 Index 649-472-00-5 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-167-6

distillates (petroleum), hydrotreated heavy paraffinic

NotesHandL

CAS 064742-54-7
 Index 649-467-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-157-1

distillates (petroleum), solvent-dewaxed light naphthenic

NotesHandL

CAS 064742-64-9
 Index 649-473-00-0 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-168-1

distillates (petroleum), hydrotreated light paraffinic

NotesHandL

CAS 064742-55-8
 Index 649-468-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-158-7

distillates (petroleum), solvent-dewaxed heavy paraffinic

NotesHandL

CAS 064742-65-0
 Index 649-474-00-6 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-169-7

distillates (petroleum), solvent-dewaxed light paraffinic

NotesHandL

CAS 064742-56-9
 Index 649-469-00-9 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-159-2

naphthenic oils (petroleum), catalytic dewaxed heavy

NotesHandL

CAS 064742-68-3
 Index 649-475-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-172-3

residual oils (petroleum), hydrotreated

NotesHandL

CAS 064742-57-0
 Index 649-470-00-4 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-160-8

naphthenic oils (petroleum), catalytic dewaxed light

NotesHandL

CAS 064742-69-4
 Index 649-476-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-173-9

residual oils (petroleum), solvent-dewaxed

NotesHandL

CAS 064742-62-7
 Index 649-471-00-X (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-166-0

paraffin oils (petroleum), catalytic dewaxed heavy

NotesHandL

CAS 064742-70-7
 Index 649-477-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-174-4



 paraffin oils (petroleum), catalytic dewaxed light Notes H and L

CAS 064742-71-8
 Index 649-478-00-8 (see Part II)
 Class'n CarcCat2:R45
 Label T
 R45
 S53, 45
 265-176-5

 lubricating oils Notes Hand L

CAS 074869-22-0
 Index 649-484-00-0 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 278-012-2

 naphthenic oils (petroleum), complex dewaxed heavy

Notes Hand L

CAS 064742-75-2
 Index 649-479-00-3 (see Part II)
 Class'n CarcCat2:R45
 Label T
 R45
 S53, 45
 265-179-1

 distillates (petroleum), complex dewaxed heavy paraffinic

Notes Hand L

CAS 090640-91-8
 Index 649-485-00-6 (see Part II)
 Class'n CarcCat2:R45
 Label T
 R45
 S53, 45
 292-613-7

 naphthenic oils (petroleum), complex dewaxed light

Notes Hand L

CAS 064742-76-3
 Index 649-480-00-9 (see Part II)
 Class'n CarcCat2:R45
 Label T
 R45
 S53, 45
 265-180-7

 distillates (petroleum), complex dewaxed light paraffinic

Notes Hand L

CAS 090640-92-9
 Index 649-486-00-1 (see Part II)
 Class'n CarcCat2:R45
 label T
 R45
 S53, 45
 292-614-2

 lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity Notes Hand L

CAS 072623-85-9
 Index 649-481-00-4 (see Part II)
 Class'n CarcCat2:R45
 Label T
 R45
 S53, 45
 276-736-3

 distillates (petroleum), solvent dewaxed heavy paraffinic, clay-treated Notes Hand L

CAS 090640-94-1
 Index 649-487-00-7 (see Part II)
 Class'n CarcCat2:R45
 Label T
 R45
 S53, 45
 292-616-3

 lubricating oils (petroleum), C 15-30, hydrotreated neutral oil-base Notes Hand L

CAS 072623-86-0
 Index 649-482-00-X (see Part II)
 Class'n CarcCat2:R45
 Label T
 R45
 S53, 45
 276-737-9

 hydrocarbons, C20-50, solvent dewaxed heavy paraffinic, hydrotreated Notes Hand L

CAS 090640-95-2
 Index 649-488-00-2 (see Part II)
 Class'n CarcCat2:R45
 Label T
 R45
 S53, 45
 292-617-9

 lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Notes Hand L

CAS 072623-87-1
 Index 649-483-00-5 (see Part II)
 Class'n CarcCat2:R45
 Label T
 R45
 S53, 45
 276-738-4

 distillates (petroleum), solvent dewaxed light paraffinic, clay-treated Notes H and L

CAS 090640-96-3
 Index 649-489-00-8 (see Part II)
 Class'n CarcCat2:R45
 Label T
 R45
 S53, 45
 292-618-4

 distillates (petroleum), solvent dewaxed light paraffinic,
 hydrotreated Notes H and L

CAS 090640-97-4
 Index 649-490-00-3 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 292-620-5

 residual oils (petroleum), hydrotreated solvent dewaxed
 Notes Hand L

CAS 090669-74-2
 Index 649-491-00-9
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 292-656-1

residual oils (petroleum), catalytic dewaxed Notes H and L

CAS 091770-57-9
 Index 649-492-00-4
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 294-843 -3

 distillates (petroleum), hydrocracked solvent-refined,
 dewaxed Notes H and L

CAS 091955-45-8
 Index 649-495-00-0 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-306-6

 distillates (petroleum), solvent-refined light naphthenic,
 hydrotreated Notes H and L

CAS 091955-54-9
 Index 649-496-00-6 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-316-0

 distillates (petroleum), dewaxed heavy paraffinic,
 hydrotreated Notes H and L

CAS 091995-39-0
 Index 649-493-00-X (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-300-3

 distillates (petroleum), dewaxed light paraffinic,
 hydrotreated Notes H and L

CAS 091995-40-3
 Index 649-494-00-5 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-301 -9

 lubricating oils'(petroleum), C17-35, solvent-extd.,
 dewaxed, hydrotreated Notes Hand L

CAS 092045-42-6
 Index 649-497-00-1
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-423-2

 lubricating oils (petroleum), hydrocracked nonarom.
 solvent-deparaffined Notes H and L

CAS 092045-43-7
 Index 649-498-00-7
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-424-8

 residual oils (petroleum), hydrocracked acid-treated solvent-
 dewaxed Notes H and L

CAS 092061-86-4
 Index 649-499-00-2 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-499-7

 paraffin oils (petroleum), solvent-refined dewaxed heavy
 Notes H and L

CAS 092129-09-4
 Index 649-500-00-6 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-810-6

lubricating oils (petroleum), base oils, paraffinic Notes H and L

CAS 093572-43-1
 Index 649-501-00-1 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 297-474-6

 hydrocarbons, hydrocracked paraffinic distn. residues,
 solvent-dewaxed NotesHandL

CAS 093763-38-3
 Index 649-502-00-7
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 297-857-8

 hydrocarbons, C13-30, arom.-rich, solvent extd. naphthenic
 distillate NotesHandL

CAS 095371-04-3
 Index 649-508-00-X
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 305-971-7

 hydrocarbons, C20-50, residual oil hydrogenation vacuum
 distillate NotesHandL

CAS 093924-61-9
 Index 649-503-00-2
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 300-257-1

 hydrocarbons, C16-32, arom. rich, solvent-extd. naphthenic
 distillate NotesHandL

CAS 095371-05-4
 Index 649-509-00-5
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 305-972-2

 distillates (petroleum), solvent-refined hydrotreated heavy,
 hydrogenated NotesHandL

CAS 094733-08-1
 Index 649-504-00-8
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 305-588-5

 hydrocarbons, C37-68, dewaxed deasphalted hydrotreated
 vacuum distn NotesHandL

CAS 095371-07-6
 Index 649-510-00-0
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 305-974-3

 distillates (petroleum), solvent-refined hydrocracked light
 NotesHandL

CAS 094733-09-2
 Index 649-505-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 305-589-0

 hydrocarbons, C37-65, hydrotreated deasphalted vacuum
 distn. residues NotesHandL

CAS 095371-08-7
 Index 649-511-00-6
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 305-975-9

 lubricating oils (petroleum), C18-40, solvent-dewaxed
 hydrocracked distillate-based NotesHandL

CAS 094733-15-0
 Index 649-506-00-9 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 305-594-8

 distillates (petroleum), hydrocracked solvent-refined light
 NotesHandL

CAS 097488-73-8
 Index 649-512-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 307-010-7

 lubricating oils (petroleum), C18-40, solvent-dewaxed
 hydrogenatedraffinate-based NotesHandL

CAS 094733-16-1
 Index 649-507-00-4 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 305-595-3

 distillates (petroleum), solvent-refined hydrogenated heavy
 NotesHandL

CAS 097488-74-9
 Index 649-513-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 307-011-2

 lubricating oils (petroleum), C 18-27, hydrocracked solvent-dewaxed Notes H and L

CAS 097488-95-4
 Index 649-514-00-2
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 307-034-8

 hydrocarbons, C 17-30, hydrotreated solvent-deasphalted

atm. distn. lights Notes H and L

CAS 097675-87-1
 Index 649-515-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 307-661 -6

 hydrocarbons, C17-40, hydrotreated solvent-deasphalted
 distn. residue, vacuum distn. lights Notes H and L

CAS 097722-06-0
 Index 649-516-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 307-755-8

 hydrocarbons, C 13-27, solvent-extd. light naphthenic
Notes H and L

CAS 097722-09-3
 Index 649-517-00-9 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 307-758-4

 hydrocarbons, C14-29, solvent-extd. light naphthenic
Notes H and L

CAS 097722-10-6
 Index 649-518-00-4 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 307-760-5

 hydrocarbons, C27-42, dearomatized Notes H and L

CAS 097862-81 -2
 Index 649-519-00-X
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 308-131-8

 hydrocarbons, C 17-30, hydrotreated distillates, distn. lights
Notes H and L

CAS 097862-82-3
 Index 649-520-00-5
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 308-132-3

 hydrocarbons, C27-45, naphthenic vacuum distn. Notes H and L

CAS 097862-83-4
 Index 649-521-00-0
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 308-1 33-9

 hydrocarbons, C27-45, dearomatized Notes H and L

CAS 097926-68-6
 Index 649-522-00-6
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 308-287-7

 hydrocarbons, C20-58, hydrotreated Notes H and L

CAS 097926-70-0
 Index 649-523-00-1
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 308-289-8

 hydrocarbons, C27-42, naphthenic Notes H and L

CAS 097926-71 -1
 Index 649-524-00-7
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 308-290-3

 residual oils (petroleum), carbon-treated solvent-dewaxed
Notes H and L

CAS 100684-37-5
 Index 649-525-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 309-710-8

 residual oils (petroleum), clay-treated solvent-dewaxed
Notes H and L

CAS 100684-38-6
 Index 649-526-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 309-71 1-3



lubricating oils (petroleum), C>25, solvent-extd.,
deasphalted, dewaxed, hydrogenated Notes H and L

CAS	101316-69-2
Index	649-527-00-3 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 309-874-0

lubricating oils (petroleum), C17-32, solvent-extd.,
dewaxed, hydrogenated Notes H and L

CAS	101316-70-5
Index	649-528-00-9 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 309-875-6

lubricating oils (petroleum), C20-35, solvent-extd.,
dewaxed, hydrogenated Notes H and L

CAS	101316-71-6
Index	649-529-00-4 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 309-876-1

lubricating oils (petroleum), C24-50, solvent-extd.,
dewaxed, hydrogenated Notes H and L

CAS	101316-72-7
Index	649-530-00-X (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 309-877-7

petroleum substances cracked gasoil

distillates (petroleum), light catalytic cracked Note H

CAS	064741-59-9
Index	649-435-00-3 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 265-060-4

distillates (petroleum), intermediate catalytic cracked Note H

CAS	064741-60-2
Index	649-436-00-9 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 265-062-5

distillates (petroleum), light hydrocracked Note H

CAS	064741-77-1
Index	649-437-00-4 (see Part II)
Class'n	Carc Cat3: R40
Label	Xn R40 S(2), 36/37 265-078-2

distillates (petroleum), light thermal cracked Note H

CAS	064741-82-8
Index	649-438-00-X (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 265-084-5

distillates (petroleum), hydrodesulfurized light catalytic
cracked Note H

CAS	068333-25-5
Index	649-439-00-5 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 269-781-5

distillates (petroleum), light steam-cracked naphtha Note H

CAS	068475-80-9
Index	649-440-00-0 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 270-662-5

distillates (petroleum), cracked steam-cracked petroleum
distillate Note H

CAS	068477-38-3
Index	649-441-00-6 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 270-727-8

gas oils (petroleum), steam-cracked Note H

CAS	068527-18-4
Index	649-442-00-1 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 271-260-2

distillates (petroleum), hydrodesulfurized thermal cracked
middle Note H

CAS	085116-53-6
Index	649-443-00-7 (see Part 1)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 285-505-6

gas oils (petroleum), thermal-cracked, hydrodesulfurized

	Note H
CAS	092045-29-9
Index	649-444-00-2
Class'n	Carc Cat2: R45
Label	T
	R45
	S53,45
	295-41 1-7

residues (petroleum), hydrogenated steam-cracked naphtha

	Note H
CAS	092062-00-5
Index	649-445-00-8 (see Part II)
Class'n	Carc Cat2: R45
Label	T
	R45
	S53,45
	295-514-7

residues (petroleum), steam-cracked naphtha distn.

	Note H
CAS	092062-04-9
Index	649-446-00-3 (see Part II)
Class'n	Carc Cat2: R45
Label	T
	R45
	S53,45
	295-51 7-3

distillates (petroleum), light catalytic cracked, thermally degraded

	Note H
CAS	092201-60-0
Index	649-447-00-9 (see Part II)
Class'n	Carc Cat2: R45
Label	T
	R45
	S53,45
	295-991-1

residues (petroleum), steam-cracked heat-soaked naphtha

	Note H
CAS	093763-85-0°
Index	649-448-00-4 (see Part II)
Class'n	Carc Cat2: R45
Label	T
	R45
	S53,45
	297-905-8

hydrocarbons, C 16-20, solvent-dewaxed hydrocracked paraffinic dist

	Note H
CAS	097675-88-2
Index	649-449-00-X (see Part II)
Class'n	Carc Cat3: R40
Label	Xn
	R40
	S(2),36/37
	307-662-2

gas oils (petroleum), light vacuum, thermal-cracked hydrodesulfuriz

	Note H
CAS	097926-59-5
Index	649-450-00-5 (see Part II)
Class'n	Carc Cat2: R45
Label	T
	R45
	S53,45
	308-278-8

distillates (petroleum), hydrodesulfurized middle coker

	Note H
CAS	101316-59-0
Index	649-451-00-0 (see Part II)
Class'n	Carc Cat2: R45
Label	T
	R45
	S53,45
	309-865-1

distillates (petroleum), heavy steam-cracked

	Note H
CAS	101631-14-5
Index	649-452-00-6 (see Part II)
Class'n	Carc Cat2: R45
Label	T
	R45
	S53,45
	309-939-3

petroleum substances
cracked kerosine

distillates (petroleum), steam-cracked

	Note H
CAS	064742-91-2
Index	649-408-00-6 (see Part II)
Class'n	Xn:R65
Label	Xn
	R65
	S(2),23,24,62
	265-194-3
Conc	Note4
	Conc >= 10% Xn: R65

distillates (petroleum), cracked stripped steam-cracked petroleum distillates C8-10 fraction

	Note H
CAS	068477-39-4
Index	649-409-00-1 (see Part II)
Class'n	Xn:R65
Label	Xn
	R65
	S(2), 23,24, 62
	270-728-3
Conc	Note4
	Conc >= 10% Xn: R65

distillates (petroleum), cracked stripped steam-cracked petroleum distillates C10-12 fraction

	Note H
CAS	068477-40-7
Index	649-410-00-7 (see Part II)
Class'n	Xn: R65
Label	Xn
	R65
	S(2), 23,24, 62
	270-729-9
Conc	Note 4
	Conc >= 10% Xn: R65

distillates (petroleum), steam-cracked, C8-12 fraction Note H

CAS 068477-54-3
 Index 649-411-00-2 (see Part II)
 Class'n Xn:R65
 Label Xn
 R65
 S(2), 23, 24, 62
 270-737-2
 Conc Note 4
 Conc >= 10% Xn: R65

kerosine (petroleum), hydrodesulfurized thermal cracked

Note H

CAS 085116-55-8
 Index 649-412-00-8 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 285-507-7
 Conc Note 4
 Conc >= 10% Xn: R65

aromatic hydrocarbons C₇>= 10, steam-cracking,

hydrotreated Note H

CAS 090640-98-5
 Index 649-413-00-3 (see Part II)
 Class'n Xn:R65
 Label Xn
 R65
 S(2), 23, 24, 62
 292-621 -0
 Conc Note 4
 Conc >= 10% Xn: R65

naphtha (petroleum), steam-cracked, hydrotreated, C9-10-

arom.-rich Note H

CAS 090641-13-7
 Index 649-414-00-9 (see Part II)
 Class'n Xn:R65
 Label Xn
 R65
 S(2), 23, 24, 62
 292-637-8
 Conc Note 4
 Conc >= 10% Xn: R65

distillates (petroleum), thermal-cracked, alkylarom.

hydrocarbon-rich Note H

CAS 101316-61-4
 Index 649-415-00-4 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 309-866-7
 Conc Note 4
 Conc >= 10% Xn: R65

solvent naphtha (petroleum), hydrocracked heavy arom.

Note H

CAS 101316-80-7
 Index 649-417-00-5 (see Part II)
 Class'n Xn:R65
 Label Xn
 R65
 S(2), 23, 24, 62
 309-881-9
 Conc Note 4
 Conc >= 10% Xn: R65

distillates (petroleum), catalytic cracked heavy tar light

Note H

CAS 101631-13-4
 Index 649-416-00-X (see Part II)
 Class'n Xn:R65
 Label Xn
 R65
 S(2), 23, 24, 62
 309-938-8
 Conc Note 4
 Conc >= 10% Xn: R65

distillates (petroleum), steam-cracked heavy tar light Note H

CAS 101631-15-6
 Index 649-418-00-0 (see Part II)
 Class'n Xn:R65
 Label Xn
 R65
 S(2), 23, 24, 62
 309-940-9
 Conc Note 4
 Conc >= 10% Xn: R65

**petroleum substances
distillate aromatic extract(treated)****extracts (petroleum), heavy naphthenic distillate solvent,
arom. conc.** Notes H and L

CAS 068783-00-6
 Index 649-531-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 272-175-3

**extracts (petroleum), solvent-refined heavy paraffinic
distillate solvent** Notes H and L

CAS 068783-04-0
 Index 649-532-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 272-180-0

**extracts (petroleum), heavy paraffinic distillates, solvent-
deasphalted** Notes H and L

CAS 068814-89-1
 Index 649-533-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 272-342-0

 extracts (petroleum), heavy naphthenic distillate solvent,
 hydrotreated NotesHandL

CAS 090641-07-9
 Index 649-534-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 292-631-5

 extracts (petroleum), light paraffinic distillate solvent, acid-
 treated NotesHandL

CAS 091995-76-5
 Index 649-539-00-9 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 295-339-6

 extracts (petroleum), heavy paraffinic distillate solvent,
 hydrotreated NotesHandL

CAS 090641-08-0
 Index 649-535-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 292-632-0

 extracts (petroleum), light paraffinic distillate solvent,
 hydrodesulfurized NotesHandL

CAS 091995-77-6
 Index 649-540-00-4 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 295-340-1

 extracts (petroleum), light paraffinic distillate solvent,
 hydrotreated NotesHandL

CAS 090641-09-1
 Index 649-536-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 292-633-6

 extracts (petroleum), heavy paraffinic distillate solvent,
 clay-treated NotesHandL

CAS 092704-08-0
 Index 649-542-00-5 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 296-437-1

 extracts (petroleum), light vacuum gas oil solvent,
 hydrotreated NotesHandL

CAS 091955-79-8
 Index 649-541-00-X (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 295-342-2

 extracts (petroleum), heavy naphthenic distillate solvent,
 hydrodesulfurized NotesHandL

CAS 093763-10-1
 Index 649-543-00-0 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 297-827-4

 extracts (petroleum), hydrotreated light paraffinic distillate
 solvent NotesHandL

CAS 091995-73-2
 Index 649-537-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 295-335-4

 extracts (petroleum), solvent-dewaxed heavy paraffinic
 distillate solvent, hydrodesulfurized NotesHandL

CAS 093763-11-2
 Index 649-544-00-6 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 297-829-5

 extracts (petroleum), light naphthenic distillate solvent,
 hydrodesulfurized NotesHandL

CAS 091995-75-4
 Index 649-538-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 295-338-0

 extracts (petroleum), light paraffinic distillate solvent,
 carbon-treated NotesHandL

CAS 100684-02-4
 Index 649-545-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 309-672-2

extracts (petroleum), light paraffinic distillate solvent, clay-treated Notes Hand L

CAS 100684-03-5
 Index 649-546-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 309-673-8

extracts (petroleum), heavy naphthenic distillate solvent

CAS 064742-1 1-6
 Index 649-004-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 265-111-0

extracts (petroleum), light vacuum, gas oil solvent, carbon-treated Notes H and L

CAS 100684-04-6
 Index 649-547-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 309-674-3

extracts (petroleum), light vacuum gas oil solvent

CAS 091995-78-7
 Index 649-005-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-341-7

extracts (petroleum), light vacuum gas oil solvent, clay-treated Notes H and I

CAS 100684-05-7
 Index 649-548-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 309-675-9

hydrocarbons, C26-55, arom.rich

CAS 097722-04-8
 Index 649-006-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 307-753-7

petroleum substances
 distillate aromatic extract

petroleum substances
 foots oil

extracts (petroleum), light naphthenic distillate solvent Note H

CAS 064742-03-6
 Index 649-001-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 265-102-1

foots oil (petroleum) Notes Hand L

CAS 064742-67-2
 Index 649-549-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 265-171-8

extracts (petroleum), heavy paraffinic distillate solvent

CAS 064742-04-7
 Index 649-002-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 265-103-7

foots oil (petroleum), hydrotreated Notes Hand L

CAS 092045-12-0
 Index 649-550-00-9
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-394-6

extracts (petroleum); light paraffinic distillate solvent

CAS 064742-05-8
 Index 649-003-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 265-104-2

foots oil (petroleum), acid-treated Notes Hand L

CAS 093924-31-3
 Index 649-175-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 300-225-7

foots oil (petroleum), clay-treated Notes H and L

CAS 093924-32-4
 Index 649-176-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 300-226-2

foots oil (petroleum), carbon-treated Notes H and L

CAS 097862-76-5
 Index 649-211-00-5 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 308-126-0

foots oil (petroleum), silicic acid-treated Notes H and L

CAS 097862-77-6
 Index 649-315-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 308-1 27-6

distillates (petroleum), sweetened middle Notes H and N

CAS 064741-86-2
 Index 649-212-00-0 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-088-7

gas oils (petroleum), solvent-refined Notes H and N

CAS 064741-90-8
 Index 649-213-00-6 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-092-9

distillates (petroleum), solvent-refined middle Notes H and N

CAS 064741-91-9
 Index 649-214-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-093-4

gas oils (petroleum), acid-treated Notes H and N

CAS 064742-12-7
 Index 649-215-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 265-112-6

distillates (petroleum), acid-treated middle Notes H and N

CAS 064742-13-a
 Index 649-216-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-113-1

distillates (petroleum), acid-treated light Notes H and N

CAS 064742-14-9
 Index 649-217-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-1 14-7

gas oils (petroleum), chemically neutralized Notes H and N

CAS 064742-29-6
 Index 649-218-00-3 (see Part II)
 Class'n Can Cat 2: R45
 Label T
 R45
 S53,45
 265-1 29-9

distillates (petroleum), chemically neutralized middle

Notes H and N
 CAS 064742-30-9
 Index 649-219-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 265-130-4

distillates (petroleum), clay-treated middle Notes H and N

CAS 064742-38-7
 Index 649-220-00-4 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-139-3

distillates (petroleum), hydrotreated middle Notes H and N

CAS 064742-46-7
 Index 649-221-00-X(see Part 11)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-148-2

gas oils (petroleum), hydrodesulfurized Notes H and N

CAS 064742-79-6
 Index 649-222-00-5 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-182-8

distillates (petroleum), hydrodesulfurized middle

Notes H and N
 CAS 064742-80-9
 Index 649-223-00-0 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-183-3



fuels, diesel Note N

CAS 068334-30-5
 Index 649-224-00-6 (see Part II)
 Class'n Carc Cat 3: R40
 Label Xn
 R40
 S(2), 36/37
 269-822-7

Alkanes, C12-26-branched and linear Notes H and N

CAS 090622-53-0
 Index 649-242-00-4
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 292-454-3

fuel-oil No.2 Note H

CAS 068476-30-2
 Index 649-225-00-1 (see Part II)
 Class'n Carc Cat 3: R40
 Label Xn
 R40
 S(2), 36/37
 270-671-4

distillates (petroleum), highly refined middle Notes H and N

CAS 090640-93-0
 Index 649-231-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 292-615-8

fuel-oil No.4 Note H

CAS 068476-31-3
 Index 649-226-00-7 (see Part II)
 Class'n Carc Cat 3: R40
 Label Xn
 R40
 S(2), 36/37
 270-673-5

distillates (petroleum), catalytic reformer, heavy arom.
conc. Notes H and N

CAS 091995-34-5
 Index 649-232-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-294-2

fuel, diesel No.2 Note H

CAS 068476-34-6
 Index 649-227-00-2 (see Part II)
 Class'n Carc Cat 3: R40
 Label Xn
 R40
 S(2), 36/37
 270-676-1

gas oils, paraffinic Notes H and N

CAS 093924-33-5
 Index 649-233-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 300-227-8

distillates (petroleum), catalytic reformer fractionator
residue, high boiling Notes H and N

CAS 068477-29-2
 Index 649-228-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-719-4

naphtha (petroleum), solvent-refined hydrodesulfurized
heavy Notes H and N

CAS 097488-96-5
 Index 649-234-00-0
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 307-035-3

distillates (petroleum), catalytic reformer fractionator
residue, intermediate-boiling Notes H and N

CAS 068477-30-5
 Index 649-229-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-721-5

hydrocarbons, C 16-20, hydrotreated middle distillate,
distn. lights Notes H and N

CAS 097675-85-9
 Index 649-235-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 307-659-6

distillates (petroleum), catalytic reformer fractionator
residue, low-boiling Notes H and N

CAS 068477-31-6
 Index 649-230-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-722-0

hydrocarbons, C 12-20, hydrotreated paraffinic, distn. lights
Notes H and N

CAS 097675-86-0
 Index 649-236-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 307-660-1

hydrocarbons, C11-17, solvent-extd. light naphthenic

Notes Hand N

CAS 097722-08-2
 Index 649-237-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 307-757-9

gas oils, hydrotreated Notes H and N

CAS 097862-78-7
 Index 649-238-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 308-128-1

distillates (petroleum), carbon-treated light paraffinic

Notes Hand N

CAS 100683-97-4
 Index 649-239-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 309-667-5

distillates (petroleum), intermediate paraffinic, carbon-treated Notes H and N

CAS 100683-98-5
 Index 649-240-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 309-668-0

distillates (petroleum), intermediate paraffinic, clay-treated

Notes H and N

CAS 100683-99-6
 Index 649-241-00-9 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 309-669-6

petroleum substances
grease

lubricating greases Notes H and N

CAS 074869-21-9
 Index 649-243-00-X (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 278-011-7

petroleum substances
heavy fuel oil

residues (petroleum), atm.tower Note H

CAS 064741-45-3
 Index 649-008-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-045-2

gas oils (petroleum), heavy vacuum Note H

CAS 064741-57-7
 Index 649-009-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-058-3

distillates (petroleum), heavy catalytic cracked Note H

CAS 064741-61-3
 Index 649-010-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-063-0

clarified oils (petroleum), catalytic cracked Note H

CAS 064741-62-4
 Index 649-011-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-064-6

residues (petroleum), catalytic reformer fractionator Note H

CAS 064741-67-9
 Index 649-048-00-X (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-069-3

residues (petroleum), hydrocracked Note H

CAS 064741-75-9
 Index 649-012-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-076-1

residues (petroleum), thermal cracked Note H

CAS 064741-80-6
 Index 649-013-00-9 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 265-081-9

distillates (petroleum), heavy thermal cracked Note H

CAS 064741-81-7
 Index 649-014-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 265-082-4

gas oils (petroleum), hydrotreated vacuum Note H

CAS 064742-59-2
 Index 649-015-00-X (see Part II)
 Class'n Carc Cat.2: R45
 Label T
 R45
 S53, 45
 265-162-9

residues (petroleum), hydrodesulfurized atmospheric tower
Note H

CAS 064742-78-5
 Index 649-016-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 265-181 -2

gas oils (petroleum), hydrodesulfurized heavy vacuum

Note H

CAS 064742-86-5
 Index 649-017-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 265-189-6

residues (petroleum), steam-cracked Note H

CAS 064742-90-1
 Index 649-018-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 265-193-8

residues (petroleum), atmospheric Note H

CAS 068333-22-2
 Index 649-019-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 269-777-3

clarified oils (petroleum), hydrodesulfurised catalytic
cracked Note H

CAS 068333-26-6
 Index 649-020-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 269-782-0

distillates (petroleum), hydrodesulfurized intermediate
catalytic cracked Note H

CAS 068333-27-7
 Index 649-021-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 269-783 -6

distillates (petroleum), hydrodesulfurized heavy catalytic
cracked Note H

CAS 068333-28-8
 Index 649-022-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 269-784-1

fuel oil, residues-straight-run gas oils, high sulfur Note H

CAS 068476-32-4
 Index 649-023-00-3
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-674-0

fuel oil, residual Note H

CAS 068476-33-5
 Index 649-024-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-675-6

residues (petroleum), catalytic reformer fractionator residue
distn. Note H

CAS 068478-13-7
 Index 649-025-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-792-2

residues (petroleum), heavy coker gas oil and vacuum gas.
oil Note H

CAS 068478-17-1
 Index 649-026-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-796-4

residues (petroleum), heavy coker and light vacuum Note H

CAS 068512-61-8
 Index 649-027-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-983-0

residues (petroleum), light vacuum Note H

CAS 068512-62-9
 Index 649-028-00-0 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-984-6

residues (petroleum), steam-cracked, resinous Note H

CAS 068955-36-2
 Index 649-035-00-9 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 273-272-3

residues (petroleum), steam-cracked light Note H

CAS 068513-69-9
 Index 649-029-00-6 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 271-013-9

distillate (petroleum), intermediate vacuum Note H

CAS 070592-76-6
 Index 649-036-00-4 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 274-683-0

fuel oil No.6 Note H

CAS 068553-00-4
 Index 649-030-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 271-384-7

distillates (petroleum), light vacuum Note H

CAS 070592-77-7
 Index 649-037-00-X (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 274-684-6

residues (petroleum), topping plant, low-sulfur Note H

CAS 068607-30-7
 Index 649-031-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 271-763-7

distillates (petroleum), vacuum Note H

CAS 070592-78-8
 Index 649-038-00-5 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 274-685-1

gas oils (petroleum), heavy atmospheric Note H

CAS 068783-08-4
 Index 649-032-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 272-184-2

gas oils (petroleum), hydrodesulfurized coker heavy vacuum Note H

CAS 085117-03-9
 Index 649-039-00-0 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 285-555-9

residues (petroleum), coker scrubber, condensed-ring-
arom.-contg. Note H

CAS 068783-13-1
 Index 649-033-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 272-187-9

residues (petroleum), steam-cracked, distillates Note H

CAS 090669-75-3
 Index 649-040-00-6 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 292-657-7

distillates (petroleum), petroleum residues vacuum Note H

CAS 068955-27-1
 Index 649-034-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 273-263-4

residues (petroleum), vacuum, light Note H

CAS 090669-76-4
 Index 649-041-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 292-658-2

fuel oil, heavy, high-sulfur Note H

CAS 092045-14-2
 Index 649-042-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-396-7

residues (petroleum), catalytic cracking Note H

CAS 092061-97-7
 Index 649-043-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-511-0

distillates (petroleum), intermediate catalytic cracked,
thermally degraded Note H

CAS 092201-59-7
 Index 649-044-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-990-6

residual oils (petroleum) Note H

CAS 093821-66-0
 Index 649-045-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 298-754-0

residues, steam cracked, thermally treated Note H

CAS 098219-64-8
 Index 649-046-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 308-773-0

distillates (petroleum), hydrodesulfurized full-range middle
Note H

CAS 101316-57-8
 Index 649-047-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 309-863-0

petroleum substances
 kerosine - unspecified

distillates (petroleum), alkylate Note H

CAS 064741-73-7
 Index 649-419-00-6 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 265-074-0
 Conc Note 4
 Conc >= 10% Xn: R65

extracts (petroleum), heavy naphtha solvent Note H

CAS 064741-98-6
 Index 649-420-00-1 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 265-099-7
 Conc Note 4
 Conc >= 10% Xn: R65

distillates (petroleum), chemically neutralized light Note H

CAS 064742-31-0
 Index 649-421-00-7 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 265-132-5
 Conc Note 4
 Conc >= 10% Xn: R65

distillates (petroleum), hydrotreated light Note H

CAS 064742-47-8
 Index 649-422-00-2 (see Part II)
 Class'n Xn: R65
 label Xn
 R65
 S(2), 23, 24, 62
 265-149-8
 Conc Note 4
 Conc >= 10% Xn: R65

kerosine (petroleum), hydrodesulfurized Note H

CAS 064742-81-0
 Index 649-423-00-8 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 265-184-9
 Conc Note 4
 Conc >= 10% Xn: R65

solvent naphtha (petroleum), heavy arom. Note H

CAS 064742-94-5
 Index 649-424-00-3 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 Conc 265-198-5
 Note 4
 Conc >= 10% Xn: R65

naphtha (petroleum), heavy coker Note H

CAS 068333-23-3
 Index 649-425-00-9 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 Conc 269-778-9
 Note 4
 Conc >= 10% Xn: R65

naphtha (petroleum), catalytic reformed hydrodesulfurized
heavy, arom. fraction Note H

CAS 085116-57-0
 Index 649-426-00-4 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 Conc 285-508-2
 Note 4
 Conc >= 10% Xn: R65

kerosine (petroleum), sweetened Note H

CAS 091770-15-9
 Index 649-427-00-X (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 Conc 294-799-5
 Note 4
 Conc >= 10% Xn: R65

kerosine (petroleum), solvent-refined sweetened Note H

CAS 092045-36-8
 Index 649-428-00-5 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 Conc 295-416-4
 Note 4
 Conc >= 10% Xn: R65

hydrocarbons, C9-16, hydrotreated, dearomatized Note H

CAS 093763-35-0
 Index 649-429-00-0 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 Conc 297-854-1
 Note 4
 Conc >= 10% Xn: R65

kerosine (petroleum), solvent-refined hydrodesulfurized

Note H
 CAS 097488-94-3
 Index 649-430-00-6
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 Conc 307-033-2
 Note 4
 Conc >= 10% Xn: R65

distillates (petroleum), hydrodesulfurized full-range middle
coker Note H

CAS 101316-58-9
 Index 649-431-00-1 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 Conc 309-864-6
 Note 4
 Conc >= 10% Xn: R65

solvent naphtha (petroleum), hydrodesulfurized heavy
arom. Note H

CAS 101316-81-8
 Index 649-432-00-7 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 Conc 309-882-4
 Note 4
 Conc >= 10% Xn: R65

solvent naphtha (petroleum), hydrodesulfurized medium
Note H

CAS 101316-82-9
 Index 649-433-00-2 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 Conc 309-884-5
 Note 4
 Conc >= 10% Xn: R65

kerosine (petroleum), hydrotreated Note H

CAS 101631-19-0
 Index 649-434-00-8 (see Part II)
 Class'n Xn: R65
 Label Xn
 R65
 S(2), 23, 24, 62
 Conc 309-944-0
 Note 4
 Conc >= 10% Xn: R65



petroleum substances
low boiling point cat-cracked naphtha

naphtha (petroleum), heavy catalytic cracked Notes H and P

CAS 064741-54-4
Index 649-289-00-0 (see Part II)
Class'n CarcCat2: R45 Xn: R65
Label T
R45,65
S53,45
265-055-7
Conc Note4
Conc >= 10% T: R45,65
Conc >= 0.1 % and < 10% T:R45

naphtha (petroleum), light catalytic cracked Notes H and P

CAS 064741-55-5
Index 649-290-00-6 (see Part II)
Class'n CarcCat2: R45 Xn: R65
Label T
R45,65
S53,45
265-056-2
Conc Note4
Conc >= 10% T: R45,65
Conc >= 0.1 % and < 10% T R45

hydrocarbons, C3-11, catalytic cracker distillates Notes H and P

CAS 068476-46-0
Index 649-291-00-1 (see Part II)
Class'n CarcCat2: R45 Xn: R65
Label T
R45,65
S53,45
270-686-6
Conc Note4
Conc >= 10% T: R45,65
Conc >= 0.1 % and < 10% T:R45

naphtha (petroleum), catalytic cracked light distd.

Notes H and P

CAS 068783-09-5
Index 649-292-00-7 (see Part II)
Class'n CarcCat2: R45 Xn: R65
Label T
R45,65
S53,45
272-185-8
Conc Note4
Conc >= 10% T: R45,65
Conc >= 0.1 % and < 10% T:R45

distillates (petroleum), naphtha steam cracking-derived,
hydrotreated light arom. Notes H and P

CAS 091995-50-5
Index 649-293-00-2 (see Part II)
Class'n CarcCat2: R45 Xn: R65
Label T
R45,65
S53,45
295-311-3
Conc Note4
Conc >= 10% T: R45,65
Conc >= 0.1 % and < 10% T R45

naphtha (petroleum), heavy catalytic cracked, sweetened

Notes H and P

CAS 092045-50-6
Index 649-294-00-8 (see Part II)
Class'n CarcCat2: R45 Xn: R65
Label T
R45,65
S53,45
295-431-6
Conc Note 4
Conc >= 10% T: R45,65
Conc >= 0.1 % and < 10% T R45

naphtha (petroleum), light catalytic cracked sweetened

Notes H and P

CAS 092045-59-5
Index 649-295-00-3 (see Part II)
Class'n CarcCat2: R45 Xn: R65
Label T
R45,65
S53,45
295-441-0
Conc Note 4
Conc >= 10% T: R45,65
Conc >= 0.1 % and < 10% T:R45

hydrocarbons, C8-12, catalytic-cracking, chem. neutralized

Notes H and P

CAS 092128-94-4
Index 649-296-00-9 (see Part II)
Class'n CarcCat2: R45 Xn: R65
Label T
R45,65
S53,45
295-794-0
Conc Note4
Conc >= 10% T: R45,65
Conc >= 0.1 % and < 10% T:R45

hydrocarbons, C8-12, catalytic cracker distillates Notes H and P

CAS 101794-97-2
Index 649-297-00-4 (see Part II)
Class'n CarcCat2: R45 Xn: R65
Label T
R45,65
S53,45
309-974-4
Conc Note 4
Conc >= 10% T: R45,65
Conc >= 0.1 % and < 10% T:R45

hydrocarbons, C8-12, catalytic cracking, chem. neutralized,
sweetened Notes H and P

CAS 101896-28-0
Index 649-298-00-X
Class'n CarcCat2: R45 Xn: R65
Label T
R45,65
S53,45
309-987-5
Conc Note4
Conc >= 10% T: R45,65
Conc >= 0.1 % and < 10% T R45

petroleum substances

low boiling point cat-reformed naphtha

naphtha (petroleum), light catalytic reformed Notes H and P

CAS	064741-63-5
Index	649-299-00-5 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T R45,65 S53,45 265-065-1
Conc	Note 4 Conc >= 10% T: R45,65 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), heavy catalytic reformed Notes H and P

CAS	064741-68-0
Index	649-300-00-9 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T R45,65 S53,45 265-070-9
Conc	Note 4 Conc >= 10% T: R45,65 Conc >= 0.1% and < 10% T: R45

distillates (petroleum), catalytic reformed depentanizer

Notes H and P

CAS	068475-79-6
Index	649-301-00-4 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
label	T R45; 65 S53,45 270-660-4
Conc	Note 4 Conc >= 10% T: R45,65 Conc >= 0.1% and < 10% T: R45

hydrocarbo~C2-6, C6-8, catalytic reformer Notes H and P

CAS	068476-47-1
Index	649-302-00-X
Class'n	Carc Cat 2: R45 Xn: R65
Label	T R45,65 S53,45 270-687-1
Conc	Note 4 Conc >= 10% T: R45,65 Conc >= 0.1% and < 10% T: R45

residues (petroleum), C6-8, catalytic reformer Notes H and P

CAS	068478-15-9
Index	649-303-00-5 (See Part II)
Class'n	Carc Cat 2: R45 Xn: R65
label	T R45,65 S53,45 270-794-3
Conc	Note 4 Conc >= 10% T: R45,65 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), light catalytic reformed, arom.-free

Notes H and P

CAS	068513-03-1
Index	649-304-00-0 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T R45,65 S53,45 270-993-5
Conc	Note 4 Conc >= 10% T: R45,65 Conc >= 0.1% and < 10% T: R45

distillates (petroleum), catalytic reformed straight-run naphtha overheads Notes H and P

CAS	068513-63-3
Index	649-305-00-6 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T R45,65 S53,45 271-008-1
Conc	Note 4 Conc >= 10% T: R45,65 Conc >= 0.1% and < 10% T: R45

petroleum products, hydrofiner-powerformer reformates

Notes H and P

CAS	068514-79-4
Index	649-306-00-1 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
label	T R45,65 S53,45 271-058-4.
Conc	Note 4 Conc >= 10% T: R45,65 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), full-range reformed Notes H and P

CAS	068919-37-9
Index	649-307-00-7 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T R45,65 S53,45 272-895-8
Conc	Note 4 Conc >= 10% T: R45,65 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), catalytic reformed Notes H and P

CAS	068955-35-1
Index	649-308-00-2 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
label	T R45,65 S53,45 273-271-8
Conc	Note 4 Conc >= 10% T: R45,65 Conc >= 0.1% and < 10% T: R45

distillates (petroleum), catalytic reformed hydrotreated light, C8-12 arom. fraction Notes H and P

CAS 0851 16-58-1
 Index 649-309-00-8 (see Part II)
 Class'n Carc Cat 2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 285-509-8
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

hydrocarbons, CS-11, nonaroms.-rich, reforming light fraction Notes H and P

CAS 093572-36-2
 Index 649-314-00-5 (see Part II)
 Class'n Carc Cat 2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 297-466-2
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

aromatic hydrocarbons, C8, catalytic reforming-derived Notes H and P

CAS 091955-18-5
 Index 649-310-00-3
 Class'n Carc Cat 2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 295-279-0
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

petroleum substances
low boiling point hydrogen treated naphtha

naphtha (petroleum), hydrotreated heavy Notes H and P

CAS 064742-48-9
 Index 649-327-00-6 (see Part 11)
 Class'n Carc Cat 2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 265-150-3
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

aromatic hydrocarbons, C7-12, C8 rich Notes H and P

CAS 093571-75-6
 Index 649-311-00-9 (see Part II)
 Class'n Carc Cat 2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 297-401-8
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

naphtha (petroleum), hydrotreated light Notes H and P

CAS 064742-49-0
 Index 649-328-00-1 (see Part 11)
 Class'n Carc Cat 2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 265-151-9
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

gasoline, C5-11, high octane stabilized reformed Notes H and P

CAS 093572-29-3
 Index 649-312-00-4 (see Part II)
 Class'n Carc Cat 2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 297-458-9
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

naphtha (petroleum), hydrodesulfurized light Notes H and P

CAS 064742-73-0
 Index 649-329-00-7 (see Part II)
 Class'n Carc Cat 2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 265-178-6
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

hydrocarbons, C7-12, C<9-arom.-rich, reforming heavy fraction Notes H and P

CAS 093572-35-1
 Index 649-313-00-X (see Part II)
 Class'n Carc Cat 2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 297-465-7
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

naphtha (petroleum); hydrodesulfurized heavy Notes H and P

CAS 064742-82-1
 Index 649-330-00-2 (see Part II)
 Class'n Carc Cat 2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 265-185-4
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

 distillates (petroleum), hydrotreated middle, intermediate boiling Notes H and P

CAS 068410-96-8
 Index 649-331-00-8 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 270-092-7
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

distillates (petroleum), light distillate hydrotreating process, low-boiling Notes H and P

CAS 068410-97-9
 Index 649-332-00-3 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 270-093-2
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

distillates (petroleum), hydrotreated heavy naphtha, deisohexanizer overheads Notes H and P

CAS 068410-98-0
 Index 649-333-00-9 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 270-094-8
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

solvent naphtha (petroleum), light arom., hydrotreated Notes H and P

CAS 068512-78-7
 Index 649-334-00-4 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 270-988-8
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

naphtha (petroleum), hydrodesulfurized thermal cracked light Notes H and P

CAS 085116-60-5
 Index 649-335-00-X (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 285-511-9
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

naphtha (petroleum), hydrotreated light, cycloalkane contg. Notes H and P

CAS 085116-61-6
 Index 649-336-00-5 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 285-512-4
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

naphtha (petroleum), heavy steam-cracked, hydrogenated Notes H and P

CAS 092045-51-7
 Index 649-337-00-0
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 295-432-1
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

naphtha (petroleum), hydrodesulfurized full-range Notes H and P

CAS 092045-52-8
 Index 649-338-00-6 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 295-433-7
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), hydrotreated light steam-cracked Notes H and P

CAS 092045-57-3
 Index 649-339-00-1 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 295-438-4
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

hydrocarbons, C4-12, naphtha-cracking, hydrotreated Notes H and P

CAS 092045-61-9
 Index 649-340-00-7 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 295-443-1
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

solvent naphtha (petroleum), hydrotreated light naphthenic
Notes H and P

CAS 092062-15-2
 Index 649-341-00-2 (see Part II)
 Class'n CarcCat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 295-529-9
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), light steam-cracked, hydrogenated
Notes H and P

CAS 093165-55-0
 Index 649-342-00-8 (see Part II)
 Class'n CarcCat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 296-942-7
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

hydrocarbons, C6-11, hydrotreated, dearomatized
Notes H and P

CAS 093763-33-8
 Index 649-343-00-3 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 297-852-0
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

hydrocarbons, C9-12, hydrotreated, dearomatized
Notes H and P

CAS 093763-34-9
 Index 649-344-00-9 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 297-853-6
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

petroleum substances

low boiling point modified naphtha

naphtha (petroleum), full-range alkylate Notes H and P

CAS 064741-64-6
 Index 649-274-00-9 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 265-066-7
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), heavy alkylate Notes H and P

CAS 064741-65-7
 Index 649-275-00-4 (see Part II)
 Class'n CarcCat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 265-067-2
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), light alkylate Notes H and P

CAS 064741-66-8
 Index 649-276-00-X (see Part II)
 Class'n CarcCat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 265-068-8
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), isomerization Notes H and P

CAS 064741-70-4
 Index 649-277-00-5 (see Part II)
 Class'n CarcCat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 265-073-5
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), solvent-refined light Notes H and P

CAS 064741-84-0
 Index 649-278-00-0 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 265-086-6
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), solvent refined heavy Notes H and P

CAS 064741-92-0
 Index 649-279-00-6 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 265-095-5
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

 raffinates (petroleum), catalytic reformer ethylene glycol-water countercurrent exts Notes H and P

CAS 068410-71-9
 Index 649-280-00-1 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 270-088-5
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

raffinates (petroleum), reformer, lurgi unit-sepd. Notes H and P

CAS 068425-35-4
 Index 649-281-00-7 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 270-349-3
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

naphtha (petroleum), full-range alkylate, butane-containing Notes H and P

CAS 068527-27-5
 Index 649-282-00-2 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 271-267-0
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

distillates (petroleum), naphtha steam cracking-derived, solvent-refined light hydrotreated Notes H and P

CAS 091995-53-8
 Index 649-283-00-8 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 295-315-5
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

naphtha (petroleum), C4-12 butane-alkylate, isoctane rich Notes H and P

CAS 092045-49-3
 Index 649-284-00-3 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 295-430-0
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

hydrocarbons, hydrotreated light naphtha distillates, solvent-refined Notes H and P

CAS 092045-55-1
 Index 649-285-00-9 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 295-436-3
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), isomerisation, C6-fraction Notes H and P

CAS 092045-58-4
 Index 649-286-00-4 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 295-440-5
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

hydrocarbons, C6-7, naphtha-cracking, solvent-refined Notes H and P

CAS 092045-64-2
 Index 649-287-00-X (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 295-446-8
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

hydrocarbons, C6-rich, hydrotreated light naphtha distillates, solvent-refined Notes H and P

CAS 101316-67-0
 Index 649-288-00-5 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 309-871-4
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 1% and < 10% T:R45

 petroleum substances
 low boiling point naphtha

gasoline, natural Notes H and P

CAS 008006-61-9
 Index 649-261-00-8 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 232-349-1
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45



naphtha Notes H and P

CAS 008030-30-6
 Index 649-262-00-3 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 232-443-2
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

ligroine Notes H and P

CAS 008032-32-4
 Index 649-263-00-9 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 232-453-7
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and > 10% T: R45

naphtha (petroleum), heavy straight-run Notes H and P

CAS 064741-41-9
 Index 649-264-00-4 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 265-041-0
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), full-range straight-run Notes H and P

CAS 064741-42-0
 Index 649-265-00-X (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 265-042-6
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), light straight-run Notes H and P

CAS 064741-46-4
 Index 649-266-00-5 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 265-046-8
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

solvent naphtha (petroleum), light aliph. Notes H and P

CAS 064742-89-8
 Index 649-267-00-0 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 265-192-2
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

distillates (petroleum), straight-run light Notes H and P

CAS 068410-05-9
 Index 649-268-00-6 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 270-077-5
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

gasoline, vapor-recovery Notes H and P

CAS 068514-15-8
 Index 649-269-00-1 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 271-025-4
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and > 10% T: R45

gasoline, straight-run, topping-plant Notes H and P

CAS 068606-11-1
 Index 649-270-00-7 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 271-727-0
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and > 10% T: R45

naphtha (petroleum), unsweetened Notes H and P

CAS 068783-12-0
 Index 649-271-00-2 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 272-186-3
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

distillates (petroleum), light straight-run gasoline
fractionation stabilizer overheads Notes H and P

CAS	068921-08-4
Index	649-272-00-8 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T
	R45, 65
	S53, 45
	272-931-2
Conc	Note 4
	Conc >= 10% T: R45, 65
	Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), heavy straight-run, arom.-contg.

Notes H and P

CAS	101631-20-3
Index	649-273-00-3 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T
	R45, 65
	S53, 45
	309-945-6
Conc	Note 4
	Conc >= 10% T: R45, 65
	Conc >= 0.1% and < 10% T: R45

petroleum substances

low boiling point naphtha - unspecified

stoddard solvent Notes H and P

CAS	008052-41-3
Index	649-345-00-4 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T
	R45, 65
	S53, 45
	232-489-3
Conc	Note 4
	Conc >= 10% T: R45, 65
	Conc >= 0.1% and < 10% T: R45

natural gas condensates (petroleum) Notes H and P

CAS	064741-47-5
Index	649-346-00-X (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T
	R45, 65
	S53, 45
	265-047-3
Conc	Note 4
	Conc >= 10% T: R45, 65
	Conc >= 0.1% and < 10% T: R45

natural gas (petroleum), raw liq. mix Notes H and P

CAS	064741-48-6
Index	649-347-00-5 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T
	R45, 65
	S53, 45
	265-048-9
Conc	Note 4
	Conc >= 10% T: R45, 65
	Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), light hydrocracked Notes H and P

CAS	064741-69-1
Index	649-348-00-0 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T
	R45, 65
	S53, 45
	265-071-4
Conc	Note 4
	Conc >= 10% T: R45, 65
	Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), heavy hydrocracked Notes H and P

CAS	064741-78-2
Index	649-349-00-6 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T
	R45, 65
	S53, 45
	265-079-8
Conc	Note 4
	Conc >= 0.1% and < 10% T: R45
	Conc >= 10% T: R45, 65

naphtha (petroleum), sweetened Notes H and P

CAS	064741-87-3
Index	649-350-00-1 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T
	R45, 65
	S53, 45
	265-089-2
Conc	Note 4
	Conc >= 10% T: R45, 65
	Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), acid-treated Notes H and P

CAS	064742-15-0
Index	649-351-00-7 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T
	R45, 65
	S53, 45
	265-115-2
Conc	Note 4
	Conc >= 10% T: R45, 65
	Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), chemically neutralized heavy

Notes H and P

CAS	064742-22-9
Index	649-352-00-2 (see Part II)
Class'n	Carc Cat 2: R45 Xn: R65
Label	T
	R45, 65
	S53, 45
	265-122-0
Conc	Note 4
	Conc >= 10% T: R45, 65
	Conc >= 0.1% and < 10% T: R45



naphtha (petroleum), chemically neutralized light

Notes H and P

CAS 064742-23-0
 Index 649-353-00-8 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65

Label T
 R45, 65
 S53, 45
 265-123-6

Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and > 10% T: R45

naphtha (petroleum), catalytic dewaxed Notes H and P

CAS 064742-66-1
 Index 649-354-00-3 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65

Label T
 R45, 65
 S53, 45
 265-170-2

Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and > 10% T: R45

naphtha (petroleum), light steam cracked Notes H and P

CAS 064742-83-2
 Index 649-355-00-9 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65

Label T
 R45, 65
 S53, 45
 265-187-5

Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

solvent naphtha (petroleum), light arom. Notes H and P

CAS 064742-95-6
 Index 649-356-00-4 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65

Label T
 R45, 65
 S53, 45
 265-199-0

Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and > 10% T: R45

aromatic hydrocarbons, C6-10, acid-treated, neutralized

Notes H and P

CAS 068131-49-7
 Index 649-357-00-X
 Class'n Carc Cat2: R45 Xn: R65

Label T
 R45, 65
 S53, 45
 268-618-5

Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and > 10% T: R45

hydrocarbons C₅>=5, C₅-6 rich

low boiling point naphtha-unspecified Notes H and P

CAS 068476-50-6
 Index 649-401-00-8
 Class'n Carc Cat2: R45 Xn: R65

Label T
 R45, 65
 S53, 45
 270-690-8

Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

hydrocarbons, C₅ rich low boiling point naphtha-unspecified Notes H and P

CAS 068476-55-1
 Index 649-402-00-3
 Class'n Carc Cat2: R45 Xn: R65

Label T
 R45, 65
 S53, 45
 270-695-5

Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

distillates (petroleum), C₃-5,2-methyl-2-butene-rich

Notes H and P

CAS 068477-34-9
 Index 649-358-00-5 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65

Label T
 R45, 65
 S53, 45
 270-725-7

Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

distillates (petroleum), polymd. steam-cracked petroleum distillates, C₅-12 fraction Notes H and P

CAS 068477-50-9
 Index 649-359-00-0 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65

Label T
 R45, 65
 S53, 45
 270-735-1

Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

distillates (petroleum), steam-cracked, C₅-12 fraction

Notes H and P

CAS 068477-53-2
 Index 649-360-00-6 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65

Label T
 R45, 65
 S53, 45
 270-736-7

Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

 distillates (petroleum), steam-cracked, C5-10 fraction, mixed with light steam-cracked petroleum naphtha c5 fraction Notes H and P

CAS 068477-55-4
 Index 649-361-00-1
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 270-738-8
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and e 10% T:R45

extracts (petroleum), cold-acid, C4-6 Notes Hand P

CAS 068477-61-2
 Index 649-362-00-7 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 270-741 -4
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T:R45

distillates (petroleum), depentanizer overheads Notes H and P

CAS 068477-89-4
 Index 649-363-00-2 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 270-771 -8
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T:R45

residues (petroleum), butane splitter bottoms Notes H and P

CAS 068478-12-6
 Index 649-364-00-8 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 270-791 -7
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T:R45

residual oils (petroleum), deisobutanizer tower Notes H and P

CAS 068478-16-0
 Index 649-365-00-3 (See Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 270-795-9
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T:R45

naphtha (petroleum), full-range coker Notes Hand P

CAS 068513-02-0
 Index 649-366-00-9 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 270-991 -4
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and e 10% T: R45

naphtha (petroleum), steam-cracked middle arom.

Notes H and P

CAS 068516-20-1
 Index 649-367-00-4 (See Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 271-138-9
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and e 10% T:R45

naphtha (petroleum), clay-treated full-range straight-run

Notes H and P

CAS 068527-21 -9
 Index 649-368-00-X (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 271-262-3
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and e 10% T:R45

naphtha (petroleum), clay-treated light straight-run

Notes H and P

CAS 068527-22-0
 Index 649-369-00-5 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 271-263-9
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and > 10% T:R45

naphtha (petroleum), light steam-cracked arom. Notes H and P

CAS 068527-23-1
 Index 649-370-00-0 (See Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 271-264-4
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T:R45



naphtha (petroleum), light steam-cracked, debenzenized

Notes Hand P

CAS 068527-26-4
 Index 649-371-00-6 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 271-266-5
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and > 10% T: R45

distillates (petroleum), naphtha unfiner stripper Notes Hand P

CAS 068921-09-5
 Index 649-376-00-3 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 272-932-8
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), arom.-contg. Notes H and P

CAS 068603-08-7
 Index 649-372-00-1
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 271-635-0
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), catalytic reformed light, arom.-free fraction Notes H and P

CAS 085116-59-2
 Index 649-377-00-9 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 285-510-3
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and > 10% T: R45

gasoline, pyrolysis, debutanizer bottoms Notes H and P

CAS 068606-10-0
 Index 649-373-00-7 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 271-726-5
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and > 10% T: R45

gasoline Notes H and P

CAS 086290-81-5
 Index 649-378-00-4 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 289-220-8
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), light, sweetened Notes H and P

CAS 068783-66-4
 Index 649-374-00-2 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 272-206-0
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

aromatic hydrocarbons, C8-10 Notes H and P

CAS 090989-39-2
 Index 649-403-00-9
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 292-695-4
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

natural gas condensates Notes H and P

CAS 068919-39-1
 Index 649-375-00-8 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 272-896-3
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

aromatic hydrocarbons, C7-8, dealkylation products, distn residues Notes H and P

CAS 090989-42-7
 Index 649-379-00-X
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 292-698-0
 Conc Note 4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

hydrocarbons, C4-6, depentanizer lights, arom. hydrotreater

Notes H and P

CAS 091995-38-9
 Index 649-380-00-5 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 295-298-4
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T:R45

distillates (petroleum), heat-soaked steam-cracked naphtha, CS-rich

Notes Hand P

CAS 091995-41-4
 Index 649-381-00-0 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 295-302-4
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T:R45

extracts (petroleum), catalytic reformed light naphtha solvent

Notes H and P

CAS 091995-68-5
 Index 649-382-00-6 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 295-331 -2
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T:R45

naphtha (petroleum), hydrodesulfurized light, dearomatized

Notes Hand P

CAS 092045-53-9
 Index 649-383-00-1 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 295-434-2
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T:R45

naphtha (petroleum), light, CS-rich, sweetened

Notes H and P

CAS 092045-60-8
 Index 649-384-00-7 (See Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 295-442-6
 Conc Note 4
 Conc >= 10 % T: R45,65
 Conc >= 0.1 % and < 10% TR45

hydrocarbons, (28-1 1, naphtha cracking, toluene cut

Notes H and P

CAS 092045-62-0
 Index 649-385-00-2 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 295-444-7
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

hydrocarbons, C4-11, naphtha cracking, arom.-free

Notes ti and P

CAS 092045-63-1
 Index 649-386-00-8 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 295-445-2
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T:R45

naphtha (petroleum), light heat-soaked, steam-cracked

Notes H and P

CAS 092201-97-3
 Index 649-387-00-3 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 296-028-8
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T:R45

distillates (petroleum), C6-rich

Notes H and P

CAS 093165-19-6
 Index 649-388-00-9 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S54 45
 296-903-4
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T:R45

gasoline, pyrolysis, hydrogenated

Notes H and P

CAS 094114-03-1
 Index 649-389-00-4 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 302-639-3
 Conc Note 4
 Conc >= 70% T: R45,65
 Conc >= 0.1 % and < 10% T:R45

distillates (petroleum), steam-cracked, C8-12 fraction,

polymd., distn. lights Notes H and P

CAS 095009-23-7
 Index 649-390-00-X (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 305-750-5
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

hydrocarbons, C6-8, hydrogenated sorption-dearomatized,

toluene raffination Notes H and P

CAS 101316-66-9
 Index 649-395-00-7 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 309-870-9
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

extracts (petroleum), heavy naphtha solvent, clay treated

Notes H and P

CAS 097926-43-7
 Index 649-391-00-5 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 308-261 -5
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

naphtha (petroleum), hydrodesulfurized full-range coker

Notes H and P

CAS 101316-76-1
 Index 649-396-00-2 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 309-879-8
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

naphtha (petroleum), light steam-cracked, debenzenized,
thermally treated

Notes 5 H and P

CAS 098219-46-6
 Index 649-392-00-0 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 308-713-1
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

naphtha (petroleum), sweetened light

Notes H and P

CAS 101795-01-1
 Index 649-397-00-8 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 309-976-5
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% 1: R45

naphtha (petroleum), light steam-cracked, thermally treated

Notes H and P

CAS 098219-47-7
 Index 649-393-00-6 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 308-714-7
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

hydrocarbons, C3-6, CS-rich, steam-cracked naphtha

Notes H and P

CAS 102110-14-5
 Index 649-398-00-3 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 310-012-0
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% 1: R45

distillates (petroleum), C7-9, C8-rich, hydrodesulfurized
dearomatized

Notes H and P

CAS 101316-56-7
 Index 649-394-00-1 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 309-862-5
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45

hydrocarbons, CS-rich, dicyclopentadiene contg.

Notes H and P

CAS 102110-15-6
 Index 649-399-00-9 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45,65
 S53,45
 310-013-6
 Conc Note 4
 Conc >= 10% T: R45,65
 Conc >= 0.1 % and < 10% T: R45<

residues (petroleum), steam-cracked light, arom. Notes Hand P

CAS 102110-55-4
 Index 649-400-00-2 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 31 0-057-6
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

petroleum substances
 low boiling point thermally cracked naphtha

naphtha (petroleum), light thermal cracked Notes Hand P

CAS 064741-74-8
 Index 649-316-00-6 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 265-075-6
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

naphtha (petroleum), heavy thermal cracked Notes H and P

CAS 064741-83-9
 Index 649-317-00-1 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 265-085-0
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

distillates (petroleum), heavy arom. Notes H and P

CAS 067891-79-6
 Index 649-318-00-7 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 267-563-4
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

distillates (petroleum), light arom. Notes H and P

CAS 067891-80-9
 Index 649-319-00-2 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 267-565-5
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T: R45

distillates (petroleum), naphtha-raffinate pyrolyzate-derived, gasoline-blending Notes H and P

CAS 068425-29-6
 Index 649-320-00-8 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 270-344-6
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

aromatic hydrocarbons, C6-8, naphtha-raffiate pyrolyzate-derived Notes H and P

CAS 068475-70-7
 Index 649-321-00-3 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 270-658-3
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

distillates (petroleum), thermal cracked naphtha and gas oil Notes H and P

CAS 068603-00-9
 Index 649-322-00-9 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 271-631-9
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

distillates (petroleum), thermal cracked naphtha and gas oil, C5-dimer-contg. Notes H and P

CAS 068603-01-0
 Index 649-323-00-4 (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 271-632-4
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

distillates (petroleum), thermal cracked naphtha and gas oil, extractive Notes H and P

CAS 068603-03-2
 Index 649-324-00-X (see Part II)
 Class'n Carc Cat2: R45 Xn: R65
 Label T
 R45, 65
 S53, 45
 271-634-5
 Conc Note4
 Conc >= 10% T: R45, 65
 Conc >= 0.1% and < 10% T:R45

distillates (petroleum), light thermal cracked, debutanized

arom. Notes H and P

CAS	068955-29-3
Index	649-325-00-5 (see Part II)
Class'n	Carc Cat2: R45 Xn: R65
Label	T R45, 65 S53, 45 273-266-0
Conc	Note4 Conc >= 10% T: R45, 65 Conc >= 0.1% and < 10% T: R45

naphtha (petroleum), light thermal cracked, sweetened

Notes Hand P

CAS	092045-65-3
Index	649-326-00-0 (see Part II)
Class'n	Carc Cat2: R45 Xn: R65
Label	T R45, 65 S53, 45 295-447-3
Conc	Note4 Conc >= 10% T: R45, 65 Conc >= 0.1% and < 10% T: R45

petroleum substances
petrolatum

petrolatum (petroleum), carbon-treated Notes Hand N

CAS	008009-03-8
Index	649-254-00-X (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 232-373-2

petrolatum (petroleum), oxidized Notes H and N

CAS	064743-01-7
Index	649-255-00-5 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 265-206-7

petrolatum (petroleum), alumina-treated Notes Hand N

CAS	085029-74-9
Index	649-256-00-0 (see Part II)
Class'n	Carc Cat 2: R45
Label	T R45 S53, 45 285-098-5

petrolatum (petroleum), hydrotreated Notes H and N

CAS	092045-77-7
Index	649-257-00-6 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 295-459-9

petrolatum (petroleum), silicic acid-treated Notes Hand N

CAS	097862-97-0
Index	649-258-00-1 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 308-149-6

petrolatum (petroleum), clay-treated Notes H and N

CAS	097862-98-1
Index	649-259-00-7 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 308-150-1

petrolatum (petroleum), clay-treated Notes H and N

CAS	100684-33-1
Index	649-260-00-2 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 309-706-6

petroleum substances
petroleum

petroleum Note H

CAS	008002-05-9
Index	649-049-00-5 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 232-298-5

petroleum substances
petroleum gas

gases (petroleum), C3-4 Notes H and K

CAS	068131-75-9
Index	649-177-00-1 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 268-629-5

tail gas (petroleum), catalytic cracked distillate and catalytic cracked naphtha fractionation absorber

Notes Hand K

CAS	068307-98-2
Index	649-178-00-7 (see Part II)
Class'n	Carc Cat2: R45
Label	T R45 S53, 45 269-617-2

tail gas (petroleum), catalytic polymn. naphtha fractionation stabilizer. NotesHandK

CAS 068307-99-3
 Index 649-179-00-2 (see Part I1)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-618-8

tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer, hydrogen sulfide-free NotesHandK

CAS 068308-00-9
 Index 649-180-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-619-3

tail gas (petroleum), cracked distillate hydrotreater stripper NotesH and K

CAS 068308-01-0
 Index 649-181-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-620-9

tail gas (petroleum), gas oil catalytic cracking absorber Notes H and K

CAS 068308-03-2
 Index 649-183-00-4 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-623-5

tail gas (petroleum), gas recovery plant Notes H and K

CAS 068308-04-3
 Index 649-184-00-X (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-624-0

tail gas (petroleum), gas recovery plant deethanizer NotesHandK

CAS 068308-05-4
 Index 649-185-00-5 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-625-6

tail gas (petroleum), hydrodesubized distillate and hydrodesulfurized naphtha fractionator, acid-free NotesHandK

CAS 068308-06-5
 Index 649-186-00-0 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-626-1

tail gas (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulfide-free NotesHandK

CAS 068308-07-6
 Index 649-187-00-6 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-627-7

tail gas (petroleum), isomerized naphtha fractionation stabilizer Notes H and K

CAS 068308-08-7
 Index 649-210-00-X (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-628-2

tail gas (petroleum), light straight-run naphtha stabilizer, hydrogen sulfide-free Notes H and K

CAS 068308-09-8
 Index 649-188-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-629-8

tail gas (petroleum), straight-run distillate hydrodesulfurizer, hydrogen sulfide-free Notes H and K

CAS 068308-10-1
 Index 649-182-00-9 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-630-3

tail gas (petroleum), propane-propylene alkylation feed prep deethanizer Notes H and K

CAS 068308-11-2
 Index 649-189-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-631-9

tail gas (petroleum), vacuum gas oil hydrodesulfurizer,

hydrogen sulfide-free Notes H and K
 CAS 068308-12-3
 Index 649-190-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 269-632-4

gases (petroleum), catalytic cracked overheads NotesHandK

CAS 068409-99-4
 Index 649-191-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 270-071-2

alkanes, C1-2 NotesHandK

CAS 068475-57-0
 Index 649-193-00-9
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 270-651-5

alkanes, C2-3 Notes H and K

CAS 068475-58-1
 Index 649-194-00-4
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 270-652-0

alkanes, C3-4 Notes H and K

CAS 068475-59-2
 Index 649-195-00-X
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 270-653-6

alkanes, C4-5 Notes H and K

CAS 068475-60-5
 Index 649-196-00-5
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 270-654-1

fuel gases Notes Hand K

CAS 068476-26-6
 Index 649-197-00-0 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 270-667-2

fuel gases, crude oil of distillates NotesHandK

CAS 068476-29-9
 Index 649-198-00-6 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 270-670-9

hydrocarbons, C3-4 NotesHandK

CAS 068476-40-4
 Index 649-199-00-1
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 270-681-9

hydrocarbons, C4-5 NotesHandK

CAS 068476-42-6
 Index 649-200-00-5
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 270-682-4

hydrocarbons, C2-4, C3-rich NotesHandK

CAS 068476-49-3
 Index 649-201-00-0
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 270-689-2

petroleum gases, liquified NotesKand5

CAS 068476-85-7
 Index 649-202-00-6 (see Part II)
 Class'n F+: R12 Carc Cat2: R45
 Label F+,T
 R45,12
 S53,45
 270-704-2

Petroleum gas Notes K and S

CAS 068476-85-7
 Index 649-202-00-6 (see Part II)
 Class'n F+: R12 Carc Cat2: R45
 Label F+,T
 R45,12
 S53,45
 270-704-2

Petroleum gases, liquefied, sweetened Notes K and S

CAS 068476-86-8
 Index 649-203-00-1 (see Part II)
 Class'n F+: R12 Carc Cat2: R45
 Label F+,T
 R45,12
 S53,45
 270-705-8

Petroleum gas Notes K and S

CAS 068476-86-8
 Index 649-203-00-1 (see Part II)
 Class'n F+: R12 Carc Cat 2: R45
 Label F+, T
 R45, 12
 S53, 45
 270-705-8

gases (petroleum), C3-4, isobutane rich Notes Hand K

CAS 068477-33-8
 Index 649-204-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-724-1

distillates (petroleum), C3-6, piperylene-rich Notes Hand K

CAS 068477-35-0
 Index 649-205-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-726-2

gases (petroleum), butane splitter overheads Notes Hand K

CAS 068477-69-0
 Index 649-206-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-750-3

gases (petroleum), C2-3 Notes Hand K

CAS 068477-70-3
 Index 649-207-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-751-9

gases (petroleum), catalytic-cracked gas oil depropanizer bottoms, C4-rich acid-free Notes Hand K

CAS 068477-71-4
 Index 649-208-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-752-4

gases (petroleum), catalytic-cracked naphtha debutanizer bottoms, C3-5-rich Notes Hand K

CAS 068477-72-5
 Index 649-209-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-754-5

gases (petroleum), catalytic cracked naphtha depropanizer overhead, C3-rich acid-free Note H

CAS 068477-73-6
 Index 649-062-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-755-0

gases (petroleum), catalytic cracker Notes H and K

CAS 068477-74-7
 Index 649-063-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-756-6

gases (petroleum), catalytic cracker, C1-5 rich Notes H and K

CAS 068477-75-8
 Index 649-064-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-757-1

gases (petroleum), catalytic polymd. naphtha stabilizer overhead, C2-4-rich Notes H and K

CAS 068477-76-9
 Index 649-065-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-758-7

gases (petroleum) catalytic reformer, C1-4 rich Notes Hand K

CAS 068477-79-2
 Index 649-066-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-760-8

gases (petroleum), C3-5 olefinic paraffinic alkylation feed Notes H and K

CAS 068477-83-8
 Index 649-067-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-765-5

gases (petroleum), C4 rich Notes H and K

CAS 068477-85-0
 Index 649-068-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 label T
 R45
 S53, 45
 270-767-6

gases (petroleum), deethanizer overheads NotesHandK

CAS 068477-86-1
 Index 649-069-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-768-1

gas (petroleum), deisobutanizer tower overheads NotesHandK

CAS 068477-87-2
 Index 649-070-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-769-7

gases (petroleum), depropanizer dry, propene rich

NotesHandK

CAS 068477-90-7
 Index 649-071-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-772-3

gases (petroleum), depropanizer overheads NotesHandK

CAS 068477-91-8
 Index 649-072-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-773-9

gases (petroleum), gas recovery plant depropanizer

overheads NotesHandK

CAS 068477-94-1
 Index 649-073-00-6 (See Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-777-0

gases (petroleum), girbatol unit feed Notes H and K

CAS 068477-95-2
 Index 649-074-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-778-6

gases (petroleum), isomerized naphtha fractionator, C4-rich, hydrogen sulfide free NotesHandK

CAS 068477-99-6
 Index 649-075-00-7
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-782-8

tail gas (petroleum), catalytic cracked clarified oil and thermal cracked vacuum residue fraction reflux drum

NotesHandK

CAS 068478-21-7
 Index 649-076-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-802-5

tail gas (petroleum), catalytic cracked naphtha stabilization absorber NotesHandK

CAS 068478-22-8
 Index 649-077-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-803-0

tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurizer combined fractionator

NotesHandK

CAS 068478-24-0
 Index 649-078-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-804-6

tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer Notes Hand K

CAS 068478-26-2
 Index 649-079-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-806-7

tail gas (petroleum), saturate gas plant mixed stream, C4-rich NotesHandK

CAS 068478-32-0
 Index 649-080-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-813-5

tail gas (petroleum), saturate gas recovery plant, Cl-2-rich

NotesHandK

CAS 068478-33-1
 Index 649-081-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45
 270-814-0

tail gas (petroleum), vacuum residues thermal cracker

NotesHandK

CAS 068478-34-2
 Index 649-082-00-5 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 270-815-6

hydrocarbons, C3-4-rich, petroleum distillate

NotesHandK

CAS 068512-91-4
 Index 649-083-00-0 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 270-990-9

gases (petroleum), full-range straight-run naphtha
dehexanizer off

NotesHandK

CAS 068513-15-5
 Index 649-084-00-6 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271-000-8

gases (petroleum), hydrocracking depropanizer off,
hydrocarbon-rich

NotesHandK

CAS 068513-16-6
 Index 649-085-00-1 (See Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271-001-3

gases (petroleum), light straight-run naphtha stabilizer off

NotesHandK

CAS 068513-17-7
 Index 649-086-00-7 (see Part II)
 71
 Label T
 R45
 S53,45
 271-002-9

residues (petroleum), alkylation splitter, C4-rich

NotesHandK

CAS 068513-66-6
 Index 649-087-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271-010-2

hydrocarbons, C1-4

NotesHandK

CAS 068514-31-8
 Index 649-088-00-8 (See Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271-032-2

hydrocarbons, C1-C4, sweetened

NotesHandK

CAS 068514-36-3
 Index 649-089-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271-038-5

hydrocarbons, C1-3

NotesHandK

CAS 068527-16-2
 Index 649-090-00-9 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271-259-7

hydrocarbons, C1-4, debutanizer fraction

NotesHandK

CAS 068527-19-5
 Index 649-091-00-4
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271-261-8

gases (petroleum), C1-5, wet

NotesHandK

CAS 068602-83-5
 Index 649-092-00-X (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271-624-0

hydrocarbons, C2-4

NotesHandK

CAS 068606-25-7
 Index 649-093-00-5
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 -734-9

hydrocarbons, C3

NotesHandK

CAS 068606-26-8
 Index 649-094-00-0
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271-735-4

gases (petroleum), alkylation feed

NotesHandK

CAS 068606-27-9
 Index 649-095-00-6 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271-737-5



gases (petroleum), depropanizer bottoms fractionation off

Notes Hand K

CAS 068606-34-8
 Index 649-096-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S3,45
 271-742-2

gases (petroleum), naphtha unfiner desulfurization stripper off

Notes H and K

CAS 068919-06-2
 Index 649-103-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-879-0

gases (petroleum), refinery blend

Notes Hand K

CAS 068783-07-3
 Index 649-097-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-183-7

gases (petroleum), straight-run naphtha catalytic reforming off

Notes H and K

CAS 068919-09-5
 Index 649-104-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-882-7

gases (petroleum), catalytic cracking

Notes Hand K

CAS 068783-64-2
 Index 649-098-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-203-4

gases (petroleum), straight-run stabilizer off

Notes H and K

CAS 068919-10-8
 Index 649-106-00-4 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-883-2

gases (petroleum), C2-4, sweetened

Notes H and K

CAS 068783-65-3
 Index 649-099-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-205-5

gases (petroleum), fluidized catalytic cracker splitter overheads

Notes H and K

CAS 068919-20-0
 Index 649-105-00-9 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-893-7

gases (petroleum), crude oil fractionation off

Notes H and K

CAS 068918-99-0
 Index 649-100-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-871-7

gases (petroleum), catalytic cracked naphtha debutanizer

Notes H and K

CAS 068952-76-1
 Index 649-107-00-X (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 273-169-3

gases (petroleum), dehexanizer off

Notes H and K

CAS 068919-00-6
 Index 649-101-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-872-2

tail gas (petroleum), catalytic craked distillate and naphtha stabilizer

Notes H and K

CAS 068952-77-2
 Index 649-108-00-5 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 273-170-9

gases (petroleum), light straight run gasoline fractionation stabilizer off

Notes Hand K

CAS 068919-05-1
 Index 649-102-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-878-5

tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber Notes H and K

CAS 068952-81-8
 Index 649-109-00-0 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 273-175-6

tail gas (petroleum), thermal cracked hydrocarbon fractionation sta Notes H and K

CAS 068952-82-9
 Index 649-110-00-6 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 273-176-1

gases (petroleum), light steam-cracked, butadiene conc. Notes H and K

CAS 068955-28-2
 Index 649-111-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 273-265-5

gases (petroleum), straight-run naphtha catalytic reformer stabilizer overhead Notes H and K

CAS 068955-34-0
 Index 649-112-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 273-270-2

hydrocarbons, C4 Notes H and K

CAS 087741-01-3
 Index 649-113-00-2
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 289-339-5

alkanes, C1-4, C3-rich Notes H and K

CAS 090622-55-2
 Index 649-114-00-8
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 292-456-4

gases (petroleum), steam-cracker C3-rich Notes H and K

CAS 092045-22-2
 Index 649-115-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 295-404-9

hydrocarbons, C4, steam-cracker distillate Notes H and K

CAS 092045-23-3
 Index 649-116-00-9 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 295-405-4

Petroleum gases, liquefied, sweetened, C4 fraction

Notes K and S
 CAS 092045-80-2
 Index 649-117-00-4 (see Part II)
 Class'n F+: R12 Carc Cat2: R45
 Label F+, T
 R45, 12
 S53, 45
 295-463-0

Petroleum gas Notes K and S

CAS 092045-80-2
 Index 649-117-00-4 (see Part II)
 Class'n F+: R12 Carc Cat2: R45
 Label F+, T
 R45, 12
 S53, 45
 295-463-0

hydrocarbons, C4, 1,3-butadiene and isobutene-free

Notes H and K
 CAS 095465-89-7
 Index 649-118-00-X
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 306-004-1

raffinates (petroleum), steam-cracked C4 fraction cuprous ammonium acetate extn., C3-5 and C3-5

unsatd. butadiene-free Notes H and K
 CAS 097722-19-5
 Index 649-119-00-5
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 307-769-4

petroleum substances
refinery gas

gases (petroleum), amine system feed Notes H and K

CAS 068477-65-6
 Index 649-120-00-0 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-746-1

gases (petroleum), benzene unit hydrodesulfurizer off
NotesHandK

CAS 068477-66-7
 Index 649-121-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-747-7

gases (petroleum), benzene unit recycle, hydrogen-rich
Notes H and K

CAS 068477-67-8
 Index 649-122-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-748-2

gases (petroleum), blend oil, hydrogen-nitrogen-rich
Notes H and K

CAS 068477-68-9
 Index 649-123-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-749-8

gases (petroleum), catalytic reformed naphtha stripper
overheads NotesHandK

CAS 068477-77-0
 Index 649-124-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-759-2

gases (petroleum), C6-8 catalytic reformer recycle
Notes H and K

CAS 068477-80-5
 Index 649-125-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-761-3

gases (petroleum), C6-8 catalytic reformer NotesHandK

CAS 068477-81-6
 Index 649-126-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-762-9

gases (petroleum), C6-8 catalytic reformer recycle,
hydrogen rich Notes H and K

CAS 068477-82-7
 Index 649-127-00-9
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-763-4

gases (petroleum), C2-return stream Notes H and K

CAS 068477-84-9
 Index 649-128-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-766-0

gases (petroleum), dry sour, gas-concn.-unit-off Notes H and K

CAS 068477-92-9
 Index 649-129-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-774-4

gases (petroleum), gas concn. reabsorber distn. Notes H and K

CAS 068477-93-0
 Index 649-130-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-776-5

gases (petroleum), hydrogen absorber off Notes H and K

CAS 068477-96-3
 Index 649-131-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-779-1

gases (petroleum), hydrogen rich Notes H and K

CAS 068477-97-4
 Index 649-132-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-780-7

gases (petroleum), hydrotreater blend oil recycle, hydrogen-
nitrogen-rich NotesHandK

CAS 068477-98-5
 Index 649-133-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 270-781-2

gases (petroleum), recycle, hydrogen-rich Notes Hand K

CAS 068478-00-2
 Index 649-134-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-783-3

gases (petroleum), reformer make-up, hydrogen-rich

Notes Hand K

CAS 068478-01-3
 Index 649-135-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-784-9

gases (petroleum), reforming hydrotreater Notes Hand K

CAS 068478-02-4
 Index 649-136-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-785-4

gases (petroleum), reforming hydrotreater, hydrogen-methane rich Notes Hand K

CAS 068478-03-5
 Index 649-137-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-787-5

gases (petroleum), reforming hydrotreater make-up, hydrogen-rich Notes Hand K

CAS 068478-04-6
 Index 649-138-00-9 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-788-0

gases (petroleum), thermal cracking distn. Notes Hand K

CAS 068478-05-7
 Index 649-139-00-4 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-789-6

tail gas (petroleum), catalytic cracker refractionation absorber Notes Hand K

CAS 068478-25-1
 Index 649-140-00-X (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-805-1

tail gas (petroleum), catalytic reformed naphtha separator

Notes Hand K

CAS 068478-27-3
 Index 649-141-00-5 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-807-2

tail gas (petroleum), catalytic reformed naphtha stabilizer

Notes Hand K

CAS 068478-28-4
 Index 649-142-00-0 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-808-8

tail gas (petroleum), cracked distillate hydrotreater separator

Notes Hand K

CAS 068478-29-5
 Index 649-143-00-6 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-809-3

tail gas (petroleum), hydrodesulfurized straight-run naphtha separator Notes H and K

CAS 068478-30-8
 Index 649-144-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-810-9

gases (petroleum), Catalytic reformed straight-run naphtha stabilizer overheads Notes H and K

CAS 068513-14-4
 Index 649-145-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 270-999-8

gases (petroleum), reformer effluent high-pressure flash drum off. Notes Hand K

CAS 068513-18-8
 Index 649-146-00-2 (see Part)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 271-003-4

gases (petroleum), reformer effluent low-pressure flash drum off. Notes Hand K

CAS 068513-19-9
 Index 649-147-00-8 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53,45
 271 -005-5

gases (petroleum), oil refinery gas distn. off. Notes Hand K

CAS 068527-15-1
 Index 649-148-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271 -258-1

gases (petroleum), benzene unit hydrotreater depentanizer overheads Notes Hand K

CAS 068602-82-4
 Index 649-149-00-9 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53,45
 271-623-5

gases (petroleum), secondary absorber off, fluidized catalytic cracker overheads fractionator Notes Hand K

CAS 068602-84-6
 Index 649-150-00-4 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271-625-6

petroleum products, refinery gases Notes Hand K

CAS 068607-11-4
 Index 649-151-00-X (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 271 -750-6

gases (petroleum), hydrocracking low pressure separator Notes Hand K

CAS 068783-06-2
 Index 649-152-00-5 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-182-1

gases (petroleum), refinery Notes Hand K

CAS 068814-67-5
 Index 649-153-00-0 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53,45
 272-338-9

gases (petroleum), platformer products separator off Notes Hand K

CAS 068814-90-4
 Index 649-154-00-6 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53,45
 272-343-6

gases (petroleum), hydrotreated sour kerosine depentanizer stabilizer off Notes H and K

CAS 068911-58-0
 Index 649-155-00-1 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-775-5

gases (petroleum), hydrotreated sour kerosine flash drum Notes Hand K

CAS 068911-59-1
 Index 649-156-00-7 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-776-0

gases (petroleum), distillate unifmer desulfwkaton stripper off Notes H and K

CAS 068919-01-7
 Index 649-157-00-2 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-873-8

gases (petroleum), fluidized catalytic cracker fractionation off. Notes H and K

CAS 068919-02-8
 Index 649-158-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-874-3

gases (petroleum), fluidized catalytic cracker scrubbing secondary absorber off Notes H and K

CAS 068919-03-9
 Index 649-159-00-3 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53,45
 272-875-9

gases (petroleum), heavy distillate hydrotreater desulfurization stripper off Notes H and K

CAS 068919-04-0
 Index 649-160-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 272-876-4

gases (petroleum), platformer stabilizer off, light ends fractionation Notes H and K

CAS 068919-07-3
 Index 649-161-00-4 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 272-880-6

gases (petroleum), preflash tower off, crude distillation Notes Hand K

CAS 068919-08-4
 Index 649-162-00-X (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 272-881 -1

gases (petroleum), tar stripper off Notes H and K

CAS 068919-11-9
 Index 649-163-00-5 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 272-884-8

gases (petroleum), unifiner stripper off Notes H and K

CAS 068919-12-0
 Index 649-164-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 272-885-3

tail gas (petroleum), catalytic hydrodesulfurized naphtha separator Notes H and K

CAS 068952-79-4
 Index 649-165-00-6 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 273-173-5

tail gas (petroleum), straight-run naphtha hydrodesulfurizer Notes Hand K

CAS 068952-80-7
 Index 649-166-00-1 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 273-174-0

gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation Notes Hand K

CAS 068955-33-9
 Index 649-167-00-7 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 273-269-7

gases (petroleum), crude distn. and catalytic cracking Notes H and K

CAS 068989-88-8
 Index 649-168-00-2 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 273-563-5

gases (petroleum), gas oil diethanolamine scrubber off Notes H and K

CAS 092045-15-3
 Index 649-169-00-8 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-397-2

gases (petroleum), gas oil hydrodesulfurization effluent Notes Hand K

CAS 092045-16-4
 Index 649-170-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-398-8

gases (petroleum), gas oil hydrodesulfurization purge Notes Hand K

CAS 092045-17-5
 Index 649-171-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 295-399-3

gases (petroleum), hydrogenator effluent flash drum off

NotesHandK

CAS 092045-18-6
 Index 649-172-00-4 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-400-7

gases (petroleum), naphtha steam cracking high-pressure residual

NotesHandK

CAS 092045-19-7
 Index 649-173-00-X (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-401-2

gases (petroleum), residue visbreaking off

Notes H and K

CAS 092045-20-0
 Index 649-174-00-5 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-402-8

petroleum substances
 slack wax

slack wax (petroleum)

NotesHandN

CAS 064742-61-6
 Index 649-244-00-5 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 265-165-5

slack wax (petroleum), acid-treated

Notes H and N

CAS 090669-77-5
 Index 649-245-00-0 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 292-659-8

slack wax (petroleum), clay-treated

NotesHandN

CAS 090669-78-6
 Index 649-246-00-6 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 292-660-3

slack wax (petroleum), hydrotreated

NotesHandN

CAS 092062-09-4
 Index 649-247-00-1 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-523-6

slack wax (petroleum), low-melting

Notes H and N

CAS 092062-10-7
 Index 649-248-00-7 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-534-1

slack wax (petroleum), low-melting, hydrotreated

NotesHandN

CAS 092062-11-8
 Index 649-249-00-2 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 295-525-7

slack wax (petroleum), low-melting, carbon-treated

NotesHandN

CAS 097863-04-2
 Index 649-250-00-8 (see Part II)
 Class'n Carc Cat2: R45
 Label T
 R45
 S53, 45
 308-155-9

slack wax (petroleum), low-melting, clay treated

Notes H and N

CAS 097863-05-3
 Index 649-251-00-3 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 308-156-4

slack wax (petroleum), low-melting, silicic acid-treated

Notes H and N

CAS 097863-06-4
 Index 649-252-00-9 (see Part II)
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53, 45
 308-158-5

slack wax (petroleum), carbon-treated

Notes H and N

CAS 100684-49-9
 Index 649-253-00-4 (see Part II)
 Class'n CarcCat2: R45
 Label T
 R45
 S53, 45
 309-723-9

petroleum substances
straight run kerosine

kerosine (petroleum) Note H

CAS 008008-20-6
Index 649-404-00-4 (see Part II)
Class'n Xn:R65
Label Xn
R65
S(2), 23,24,62
232-366-4
Conc Note4
Conc >= 10% Xn: R65

solvent naphtha (petroleum), medium aliph. Note H

CAS 064742-88-7
Index 649-405-00-X (see Part II)
Class'n Xn:R65
Label Xn
R65
S(2), 23,24, 62
265-191 -7
Conc Note4
Conc >= 10% Xn: R65

solvent naphtha (petroleum), heavy aliph. Note H

CAS 064742-96-7
Index 649-406-00-5 (see Part II)
Class'n Xn:R65
Label Xn
R65
S(2), 23,24,62
265-200-4
Conc Note4
Conc >= 10% Xn: R65

kerosine (petroleum), straight-run wide-cut Note H

CAS 092045-37-9
Index 649-407-00-0 (see Part II)
Class'n Xn: R65
Label Xn
R65
S(2), 23, 24, 62
295-418-5
Conc Note4
Conc >= 10% Xn: R65

petroleum substances
unrefined or mildly refined baseoil

distillates (petroleum), light paraffinic Note H

CAS 064741-50-0
Index 649-050-00-0 (see Part II)
Class'n Carc Cat 1: R45
Label T
R45
S53,45
265-051-5

distillates (petroleum), heavy paraffinic Note H

CAS 064741-51-1
Index 649-051-00-6 (see Part II)
Class'n Carc Cat 1: R45
Label T
R45
S53,45
265-052-0

distillates (petroleum), light naphthenic Note H

CAS 064741-52-2
Index 649-052-00-1 (see Part II)
Class'n Carc Cat 1: R45
Label T
R45
S53,45
265-053-6

distillates (petroleum), heavy naphthenic Note H

CAS 064741-53-3
Index 649-053-00-7 (see Part II)
Class'n Carc Cat 1: R45
Label T
R45
S53,45
265-054-1

distillates (petroleum), acid-treated heavy naphthenic Note H

CAS 064742-18-3
Index 649-054-00-2 (see Part II)
Class'n Carc Cat 1: R45
Label T
R45
S53,45
265-117-3

distillates (petroleum), acid-treated light naphthenic Note H

CAS 064742-19-4
Index 649-055-00-8 (see Part II)
Class'n Carc Cat 1: R45
Label T
R45
S53,45
265-118-9

distillates (petroleum), acid-treated heavy paraffinic Note H

CAS 064742-20-7
Index 649-056-00-3 (see Part II)
Class'n Carc Cat 1: R45
Label T
R45
S53,45
265-119-4

distillates (petroleum), acid-treated light paraffinic Note H

CAS 064742-21-8
Index 649-057-00-9 (see Part II)
Class'n Carc Cat 1: R45
Label T
R45
S53,45
265-121-5

distillates (petroleum), chemically neutralized heavy

paraffinic Note H
 CAS 064742-27-4
 Index 649-058-00-4 (see Part II)
 Class'n CarcCat1:R45
 Label T
 R45
 S53,45
 265-127-8

distillates (petroleum), chemically neutralized light

paraffinic Note H
 CAS 064742-28-5
 Index 649-059-00-X (see Part II)
 Class'n Carc Cat 1 R45
 Label T
 R45
 S53,45
 265-128-3

distillates (petroleum), chemically neutralized heavy

naphthenic Note H
 CAS 064742-34-3
 Index 649-060-00-5 (see Part II)
 Class'n Carc Cat 1: R45
 Label T
 R45
 S53,45
 265-135-1

distillates (petroleum), chemically neutralized light

naphthenic Note H
 CAS 064742-35-4
 Index 649-061-00-0 (see Part II)
 Class'n Carc Cat 1: R45
 Label T
 R45
 S53,45
 265-136-7

alphabetical listing continued

9-6 1,10-phenanthroline

CAS 000066-71-7
 Index 613-092-00-8
 Class'n T: R25 N: R50, 53
 Label T,N
 R25,50/53
 S(1/2), 45,60,61
 200-629-2

o-phenetidine Note C

CAS 000094-70-2
 Index 612-039-00-6 (see Part III)
 Class'n T: R23/24/25 R33
 Label T
 R23/24/25,33
 S(1/2), 28,36/37,45
 202-356-4

p-phenetidine Note C

CAS 000156-43-4
 Index 612-039-00-6 (see Part III)
 Class'n T R23/24/25 R33
 Label T
 R23/24/25,33
 S(1/2), 28, 36/37, 45
 205-855-5

phenkapton

S-(2,5-dichlorophenylthiomethyl) OO-diethyl phosphorodithioate
 CAS 002275-14-1
 Index 01 5-037-00-8
 Class'n T: R23/24/25 N: R50,53
 Label T,N
 R23/24/25,50/53
 S(1/2), 13,45,60,61
 218-892-7

phenol

CAS 000108-95-2
 Index 604-001-00-2
 Class'n T: R24/25 C: R34
 Label T
 R24/25,34
 5(1/2), 28,45
 203-632-7
 Conc Conc >= 5% T: R24/25,34
 Conc >= 1% and < 5% Xn: R21/22,36/38

m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

permethrin
 CAS 052645-53-1
 Index 613-058-00-2
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 258-067-9

2-phenoxyethanol

Index 603-098-00-9
 Class'n Xn:R22 Xi:R36
 Label Xn
 R22,36
 S(2),26
 204-589-7

phenthoate (ISO)

ethyl 2-(dimethoxyphosphothioylthio)-2-phenylacetate

CAS 002597-03-7
 Index 01 5-097-00-5
 Class'n Xn:R21/22
 Label Xn
 R21/22
 S(2),22,36/37
 219-997-0

4-phenylazoaniline

4-aminoazobenzene
 CAS 000060-09-3
 Index 61 1-008-00-4
 Class'n Carc Cat 2: R45 N: R50, 53
 Label T, N
 R45, 50/53
 S53, 45, 60, 61
 200-453-6

• 1-phenylazo-2-naphthol

C.I. Solvent Yellow 14
 CAS 000842-07-9
 Index 61 1-056-00-6
 Class'n Carc Cat 3: R40 Muta Cat 3: R68 R43 R53
 Label Xn
 R40, 43, 53, 68
 S(2), 22, 36/37, 46, 61
 212-668-2

N-[3-phenyl-4,5-bis((trifluoromethyl)imino)thiazoladin-2-ylidene]aniline flubenzimine

CAS 037893-02-0
 Index 61 3-1 18-00-8
 Class'n Xi: R36 N: R50, 53
 Label Xi, N
 R36, 50/53
 S(2), 26, 60, 61
 253-703-1

4-phenylbut-1-ene

CAS 000768-56-9
 Index 601-051-00-7
 Class'n Xi: R38 N: R51, 53
 Label Xi, N
 R38, 51/53
 S(2), 37, 61
 405-980-7

• ((4-phenylbutyl)hydroxyphosphoryl)acetic acid

CAS 083623-61-4
 Index 015-177-00-X
 Class'n Xn: R48/22 Xi: R41 R43
 Label Xn
 R41, 43, 48/22
 S(2), 22, 26, 36/37/39
 41 2-170-7

phenyl 5,6-dichloro-2-trifluoromethylbenzimidazole-1-carboxylate

fenazaflo (ISO)
 CAS 014255-88-0
 Index 613-015-00-8
 Class'n Xn: R21/22 N: R50, 53
 Label Xn, N
 R21/22, 50/53
 S(2), 36/37, 60, 61
 238-134-9

phenylN-(4,6-dimethoxypyrimidin-2-yl)carbamate

CAS 089392-03-0
 Index 613-152-00-3
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61
 406-600-2

p-phenylenediamine

CAS 000106-50-3
 Index 612-028-00-6
 Class'n T: R23/24/25 Xi: R36 R43 N: R50, 53
 Label T, N
 R23/24/25, 36, 43, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 203-404-7

o-phenylenediamine

CAS 000095-54-5
 Index 612-145-00-2
 Class'n Carc Cat 3: R40 Muta Cat 3: R68 T: R25 Xn: R20/21 Xi: R36 R43 N: R50, 53
 Label T, N
 R20/21, 25, 36, 40, 43, 50/53, 68
 S(1/2), 28, 36/37, 45, 60, 61
 202-430-6

m-phenylenediamine

CAS 000108-45-2
 Index 612-147-00-3
 Class'n Muta Cat 3: R68 T: R23/24/25 Xi: R36 R43 N: R50, 53
 Label T, N
 R23/24/25, 36, 43, 50/53, 68
 S(1/2), 28, 36/37, 45, 60, 61
 203-584-7

p-phenylenediamine dihydrochloride

benzene-1,4-diamine dihydrochloride
 CAS 000624-18-0
 Index 612-029-00-1
 Class'n T: R23/24/25 Xi: R36 R43 N: R50, 53
 Label T, N
 R23/24/25, 36, 43, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 21 0-834-9

o-phenylenediamine dihydrochloride

CAS 000615-28-1
 Index 612-146-00-8
 Class'n Carc Cat 3: R40 Muta Cat 3: R68 T: R25 Xn: R20/21 Xi: R36 R43 N: R50, 53
 Label T, N
 R20/21, 25, 36, 40, 43, 50/53, 68
 S(1/2), 28, 36/37, 45, 60, 61
 210-418-7

m-phenylenediamine dihydrochloride

CAS 000541-69-5
 Index 612-148-00-9
 Class'n Muta Cat 3: R68 T: R23/24/25 Xi: R36 R43
 N: R50,53
 Label T, N
 R23/24/25,36,43,50/53,68
 S(1/2), 28,36/37,45, 60,61
 208-790-0

(E-E)-3,3'-(1,4-phenylenedimethylidene)bis(2-oxobornane-10-sulfonic acid)

CAS 092761-26-7
 Index 607-297-00-1
 Class'n Xi: R41
 Label XI
 R41
 S(2), 26,39
 410-960-6,

1,1-(1,3-phenylenedioxy)bis(3-(2-(prop-2-enyl)phenoxy)propan-2-ol]

Index 603-119-00-1
 Class'n R43 N: R50,53
 Label Xi,N
 R43,50/53
 S(2), 24, 37, 60, 61
 405-840-5

1-phenylethylamine

DL α -methylbenzylamine
 CAS 000098-84-0
 Index 612-107-00-5
 Class'n Xn: R21/22 C: R34
 Label C
 R21/22,34
 S(1/2), 26,28,36/37/39,45
 202-706-6

(R)- α -phenylethylammonium (-)-(1R,2S)-(1,2-epoxypropyl)phosphonate monohydrate

CAS 025383-07-7
 Index 015-178-00-5
 Class'n Repr Cat 3: R62 N: R51,53
 Label Xn,N
 R62,51/53
 S(2),22,36/37,61
 418-570-8

1-phenylethyl 3-(dimethoxyphosphinyloxy) isocrotonate crotoxyphos (ISO)

CAS 007700-17-6
 Index 015-109-00-9
 Class'n T: R24125
 Label T
 R24125
 S(1/2), 28,36/37,45
 231-720-5

2-phenylethylisocyanate

CAS 001943-82-4
 Index 615-024-00-2
 Class'n T: R23 Xn: R22 C: R35 R42143 N: R51,53
 Label T,C,N
 R22,23,35,42/43,51/53
 S(1/2), 23,26,36/37/39,43,45,61
 413-080-0

phenyl glycidyl ether Note E

1,2-epoxy-3-phenoxypropane
 2,3-epoxypropylphenylether
 CAS 000122-60-1
 Index 603-067-00-X
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 Xn: R20 Xi:
 R37138 R43 R52,53
 Label T
 R45,20,37/38,43,52/53
 S53,45,61
 204-557-2

phenylhydrazine Note E

phenylhydrazinium chloride
 phenylhydrazine hydrochloride
 phenylhydrazinium sulphate (2: 1)
 CAS 000100-63-0
 Index 612-023-00-9
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 T: R23/24/25,
 48/23/24/25 Xi: R36138 R43 N: R50
 Label T,N
 R45,23/24/25,36/38,43,48/23/24/25,50
 S53,45,61
 202-873-5

phenylhydrazine hydrochloride Note E

phenylhydrazine
 phenylhydrazinium chloride
 phenylhydrazinium sulphate(2:1)
 CAS 027140-08-5
 Index 612-023-00-9
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 T: R23/24/25,
 48/23/24/25 Xi: R36/38 R43 N: R50
 Label T, N
 R45,23/24/25,36/38,43,48/23/25,50
 S53,45,61
 248-259-0

phenylhydrazinium chloride Note E

phenylhydrazine
 phenylhydrazine hydrochloride
 phenylhydrazinium sulphate (2 1)
 CAS 000059-88-1
 Index 612-023-00-9
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 T: R23/24/25,
 48/23/24/25 Xi: R36138 R43 N: R50
 Label T,N
 R45,23/24/25,36/38,43,48/23/24/25,50
 S53,45,61
 200-444-7

phenylhydrazinium sulphate (2:1) Note E
 phenylhydrazine
 phenylhydrazinium chloride
 phenylhydrazine hydrochloride
 CAS 052033-74-6
 Index 612-023-00-9
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 T: R23/24/25,
 48123124125 Xi: R36/38 R43 N: R50
 Label T, N
 R45,23/24/25,36/38,43,48/23/24/25,50
 S53,45,61
 257-622-2

phenylmercury acetate
 CAS 000062-38-4
 Index 080-011-00-5
 Class'n T: R25,48/24/25 C: R34 N: R50,53
 Label T, N
 R25,34,48/24/25,50/53
 S(1/2), 23,24/25,37,45, 60,61
 200-532-5

phenylmercury hydroxide
 phenylmercurynitrate
 basicphenylmercurynitrate
 CAS 000100-57-2
 Index 080-008-00-9
 Class'n T: R25,48/24/25 C: R34 N: R50,53
 Label T, N
 R25,34,48/24/25,50/53
 S(1/2), 23,24/25,37,45,60,61
 202-866-7

phenylmercury nitrate
 phenylmercuryhydroxide
 basicphenylmercurynitrate
 CAS 000055-68-5
 Index 080-008-00-9
 Class'n T: R25,48/24/25 C: R34 N: R50,53
 Label T, N
 R25,34,48/24/25,50/53
 S(1/2), 23,24/25,37,45,60,61
 200-242-9

2-(phenylmethoxy)naphthalene
 CAS 000613-62-7
 Index 603-128-00-0
 Class'n R53
 Label R53
 561
 405-490-3

N-phenyl-2-naphthylamine
 N-2-naphthylaniline
 CAS 000135-88-6
 Index 612-135-00-8
 Class'n Carc Cat 3: R40 Xi: R36/38 R43 N: R51,53
 Label Xn, N
 R36/38,40,43,51/53
 S(2), 26,36/37,61
 205-223-9

phenyloxirane Note E
 styreneoxide
 (epoxyethyl) benzene
 CAS 000096-09-3
 Index 603-084-00-2
 Class'n Carc Cat 2: R45 Xn: R21 Xi: R36
 Label T
 R45,21,36
 S53,45
 202-476-7

2-phenylphenol (ISO)
 biphenyl-2-01
 2-hydroxybiphenyl
 CAS 000090-43-7
 Index 604-020-00-6
 Class'n Xi: R36/37/38 N: R50
 Label Xi, N
 R36/37/38,50
 S(2),22,61
 201-993-5

2-phenylphenol, sodium salt
 sodium 2-biphenylate
 CAS 000132-27-4
 Index 604-021-00-1
 Class'n Xn: R22 Xi: R37/38,41 N: R50
 Label Xn, N
 R22,37/38,41,50
 S(2), 22,26, 61
 205-055-6

2-phenyl- 1,3-propanediol
 CAS 001570-95-2
 Index 603-163-00-1
 Class'n Xi: R41
 Label Xi
 R41
 S(2), 26,39
 411-810-2

2-phenylpropene
 a-methylstyrene
 CAS 000098-83-9
 Index 601-027-00-6
 Class'n R10 Xi: R36/37 N: R51, 53
 Label Xi, N
 R10, 36/37,51/53
 S(2),61
 202-705-0
 Conc Conc >= 25% Xi: R36/37

1-(3-phenylpropyl)-2-methylpyridinium bromide
 CAS 010551-42-5
 Index 613-143-00-4
 Class'n Xn: R22 Xi: R36 R52, 53
 Label Xn
 R22,36,52/53
 S(2), 26,36/37,61
 405-930-4

1-phenyl-3-pyrazolidone

CAS 000092-43-3
 Index 606-022-00-2
 Class'n Xn: R22 N: R51, 53
 Label Xn,N
 R22, 51/53
 S(2), 61
 202-155-1

- **3-phenyl-7-[4-(tetrahydrofuryloxy)phenyl]-1,S-dioxas-indacen-2,6-dione**

CAS 134724-55-3
 Index 607-364-00-5
 Class'n R53
 Label R53
 S61
 413-330-9

- **2-phenylthioaniline**

CAS 001134-94-7
 Index 612-181-00-9
 Class'n R43 N: R51, 53
 Label Xi,N
 R43, 51/53
 S(2), 24, 37, 61
 413-030-8

6-phenyl-1,3,5-triazine-2,4-diamine

6-phenyl-1,3,5-triazine-2,4-diylidimine
 benzoguanamine

CAS 000091-76-9
 Index 613-038-00-3
 Class'n Xn: R22 R52, 53
 Label Xn
 R22, 52/53
 S(2), 61
 202-095-6

6-phenyl-1,3,5-triazine-2,4-diylidiamine

6-phenyl-1,3,5-triazine-2,4-diamine
 benzoguanamine

CAS 000091-76-9
 Index 613-038-00-3
 Class'n Xn: R22 R52, 53
 Label Xn
 R22, 52/53
 S(2), 61
 202-095-6

phorate (ISO)

O,O-diethylethylthiomethyl phosphorodithioate

CAS 000298-02-2
 Index 015-033-00-6
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 28, 36/37, 45
 206-052-2

phosacetim (ISO)

O,O-bis(4-chlorophenyl)N-acetimidoylphosphoramidothioate

CAS 004104-14-7
 Index 015-092-00-8
 Class'n T+: R27/28 N: R50, 53
 Label T+,N
 R27/28, 50/53
 S(1/2), 28, 36/37, 45, 60, 61
 223-874-7

phosalone

S-(6-chloro-2-oxobenzoxazolin-3-yl)ethyl OO-diethyl phosphorodithioate

CAS 002310-17-0
 Index 015-067-00-1
 Class'n T R25 Xn: R21 N: R50, 53
 Label T,N
 R21, 25, 50/53
 S(1/2), 36/37, 45, 60, 61
 218-996-2

phosfolan (ISO)

diethyl1,3-dithiolan-2-ylidene phosphoramidate

CAS 000947-02-4
 Index 015-111-00-X
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 28, 36/37, 45
 213-423-2

phosgene

carbonylchloride

CAS 000075-44-5
 Index 006-002-00-8
 Class'n T+: R26 C: R34
 Label T+
 R26, 34
 S(1/2), 9, 26, 36/37/39, 45
 200-870-3
 Conc Note5
 Conc >= 5% T+: R26, 34
 Conc >= 1% and < 5% T+: R26, 36/37/38
 Conc >= 0.5% and < 1% T: R23, 36/37/38
 Conc >= 0.2% and < 0.5% T: R23
 Conc >= 0.02% and < 0.2% Xn: R20

phosmet (ISO)

O,O-dimethyl phthalimidomethyl S-phosphorodithioate

CAS 000732-11-6
 Index 015-101-00-5
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2), 22, 36/37
 211-987-4

phosnichlor

O-4-chloro-3-Nitrophenyl O,O-dimethyl phosphorothioate

CAS 005826-76-6
 Index 015-043-00-0
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2), 13

phosphamidon
 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethylphosphate
 CAS 013171-21-6
 Index 015-022-00-6
 Class'n T+: R28 T: R24 MutaCat3: R68 N: R50,53
 Label T+,N
 R24,28,50/53,68
 S(1/2), 23,36/37,45.60, 61
 236-116-5

phosphonic acid
 phosphorous acid
 CAS 010294-56-1
 Index 015-157-00-0
 Class'n Xn:R22 C:R35
 Label C
 R22,35
 S(1/2), 26,36/37/39.45
 233-663-1

• **N-(phosphonomethyl)glycine**
 glyphosate (ISO)
 CAS 001071-83-6
 Index 607-315-00-8
 Class'n Xi: R41 N: R51,53
 Label Xi,N
 R41,51/53
 S(2),26,39, 61
 213-997-4

phosphoric acid ... % Note B
 orthophosphoric acid ... %
 CAS 007664-38-2
 Index 015-011-00-6
 Class'n C:R34
 Label C
 R34
 S(1/2), 26,45
 231-633-2
 Conc Conc >= 25% C: R34
 Conc >= 10% and < 25% Xi: R36/38

phosphorous acid
 phosphonic acid
 CAS 013598-36-2
 Index 015-157-00-0
 Class'n Xn:R22 C:R35
 Label C
 R22,35
 S(1/2), 26,36/37/39,45
 237-066-7

phosphorus pentachloride
 CAS 010026-13-8
 Index 015-008-00-X
 Class'n R14 R29 T+: R26 Xn: R22,48/20 C: R34
 Label Tt
 R14,22,26,34,48/20
 S(1/2), 7/8,26,36/37/39,45
 233-060-3

phosphorus pentasulphide
 diphosphorus pentasulphide
 CAS 001314-80-3
 Index 015-104-00-1
 Class'n F:R11 R29 Xn: R20/22 N: R50
 Label F,Xn,N
 R11,20/22,29,50
 S(2), 61
 215-242-4

phosphorus pentoxide
 CAS 001314-56-3
 Index 015-010-00-0
 Class'n C:R35
 Label C
 R35
 S(1/2), 22,26,45
 215-236-1

phosphorus, red
 CAS 007723-14-0
 Index 015-002-00-7
 Class'n F: R11 R16 N: R50
 Label F,N
 R11,16,50
 S(2), 7,43, 61
 231-768-7

phosphorus sesquisulphide
 tetraphosphorus trisulphide
 CAS 001314-85-8
 Index 015-012-00-1
 Class'n F: R11 Xn: R22 N: R50
 Label F,Xn,N
 R11,22,50
 S(2), 7,16,24/25,61
 215-245-0

phosphorus tribromide
 CAS 007789-60-8
 Index 015-103-00-6
 Class'n R14 C: R34 Xi: R37
 Label C
 R14,34,37
 S(1/2), 26, 45
 232-178-2

phosphorus trichloride
 CAS 007719-12-2
 Index 015-007-00-4
 Class'n R14 R29 T+: R26/28 Xn: R48/20 C: R35
 Label Tt, C
 R14,26/28,35,48/20
 S(1/2), 7/a,26,36/37/39,45
 231-749-3

phosphorus, white
 CAS 012185-10-3
 Index 015-001-00-1
 Class'n F: R17 T+: R26/28 C: R35 N: R50
 Label F, Tt, C, N
 R17,26/28,35,50
 S(1/2), 5, 26, 28, 45, 61
 231-768-7

phosphoryl trichloride

CAS 010025-87-3
 Index 015-009-00-5
 Class'n R14 R29 T+: R26 T: R48/23 Xn: R22 C:
 R35
 Label T+, C
 R14, 22, 26, 35, 48/23
 S(1/2), 7/8, 26, 36/37/39, 45
 233-046-7

phoxim (ISO)

a-(diethoxyphosphinothioylimino) phenylacetone nitrile
 CAS 014816-18-3
 Index 015-100-00-X
 Class'n Xn:R22
 Label Xn
 R22
 S(2), 36
 238-887-3

phthalic anhydride

CAS 000085-44-9
 Index 607-009-00-4
 Class'n Xn: R22 Xi: R37/38, 41 R42/43
 Label Xn
 R22, 37/38, 41, 42/43
 S(2), 23, 24/25, 26, 37/39, 46
 201-607-5

- phthalocyanine-N-[3-(diethylamino)propyl]sulfonamide copper complex

CAS 093971-95-0
 Index 029-009-00-7
 Class'n R52, 53
 Label R52/53
 S61
 413-650-9

physostigmine

CAS 000057-47-6
 Index 614-020-00-8
 Class'n T+: R26/28
 Label T+
 R26/28
 S(1/2), 25, 45
 200-332-8

physostigmine, salts of Note A

Index 614-021-00-3
 Class'n T+: R26/28
 Label T+
 R26/28
 S(1/2), 25, 45

2-picoline

2-methylpyridine
 CAS 000109-06-8
 Index 613-036-00-2
 Class'n R10 Xn: R20/21/22 Xi: R36/37
 Label Xn
 R10, 20/21/22, 36/37
 S(2), 26, 36
 203-643-7

4-picoline

4-methylpyridine
 CAS 000108-89-4
 Index 613-037-00-8
 Class'n R10 T: R24 Xn: R20/22 Xi: R36/37/38
 Label T
 R10, 20/22, 24, 36/37/38
 S(1/2), 26, 36, 45
 203-626-4

picramic acid

2-amino-4,6-dinitrophenol
 CAS 000096-91-3
 Index 612-034-00-9
 Class'n E R1 Xn: R20/21/22 R52, 53
 Label E, Xn
 R1, 20/21/22, 52/53
 S(2), 35, 61
 202-544-6

picric acid

2,4,6-trinitrophenol
 CAS 000088-89-1
 Index 609-009-00-X
 Class'n E: R2 R4 T: R23/24/25
 Label E, T
 R2, 4, 23/24/25
 S(1/2), 28, 35, 37, 45
 201-865-9

picric acid, salts of Note A

Index 609-010-00-5
 Class'n E: R3 T: R23/24/25
 Label E, T
 R3, 23/24/25
 S(1/2), 28, 35, 37, 45

pilocarpine

CAS 000092-13-7
 Index 614-016-00-6
 Class'n T+: R26/28
 Label T+
 R26/28
 S(1/2), 25, 45
 202-128-4

pilocarpine, salts of Note A

Index 614-017-00-1
 Class'n T+: R26/28
 Label T+
 R26/28
 S(1/2), 25, 45

pindone(ISO)

2-pivaloylindan-1,3-dione
 CAS 000083-26-1
 Index 606-016-00-X
 Class'n T: R25, 48/25 N: R50, 53
 Label T, N
 R25, 48/25, 50/53
 S(1/2), 37, 45, 60, 61
 201-462-8

piperazine

CAS 0001 10-85-0
 Index 61 2-057-00-4
 Class'n C: R34 R42/43 R52, 53
 Label C
 R34,42/43,52/53
 S(1/2), 22,26,36/37/39,45,61
 203-808-3

2,2'-[3,3'-(piperazine-1,4-diyl)dipropyl]bis(1H-benzimidazo[2,1-b]benzo[1,m,n][3,8]phenanthroline-1,3,6-trione)

Index 61 3-150-00-2
 Class'n R53
 Label R53
 S61
 406-295-6

2-piperazin-1-ylethylamine

CAS 000140-31-8
 Index 61 2-105-00-4
 Class'n Xn: R21/22 C: R34 R43 R52,53
 Label C
 R21/22,34,43,52/53
 S(1/2),26,36/37/39,45,61
 205-41 1-0

piperidine

CAS 0001 10-89-4
 Index 61 3-027-00-3
 Class'n F: R11 T: R23/24 C: R34
 Label F, T
 R11, 23/24,34
 S(1/2), 16,26,27,45
 203-813-0
 Conc Conc >= 5% T: R23/24,34
 Conc >= 1% and < 5% Xn: R20/21,36/38

piperophos (ISO)

S-2-methylpiperidarbonylmethyl-O,O-dipropyl phosphorodithioate
 CAS 024151-93-7
 Index 015-133-00-X
 Class'n Xn: R22
 Label Xn
 R22
 S(2)

pirimicarb (ISO)

5,6-dimethyl-2-dimethylamino-pyrimidin-4-yl N,N-dimethylcarbamate
 CAS 023103-98-2
 Index 006-035-00-8
 Class'n T: R25 N: R50, 53
 Label T, N
 R25,50/53
 S(1/2), 22,37,45,60,61
 245-430-1

pirimiphos-ethyl (ISO)

O,O-diethylO-2-diethylamino-6-methylpyrimidh-4-yl phosphorothioate
 CAS 023505-41-1
 Index 015-099-00-6
 Class'n T: R25 Xn: R21 N: R50,53
 Label T, N
 R21,25,50/53
 S(1/2), 23,36/37,45,60,61
 245-704-0

pirimiphos-methyl (ISO)

O-(2-diethylamino-6-methylpyrimidin-4-yl) O,O-dimethyl phosphorothioate
 CAS 029232-93-7
 Index 01 5-134-00-5
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 249-528-5

2-pivaloylindan-1,3-dione

pindone (ISO)
 CAS 000083-26-1
 Index 606-01 6-00-X
 Class'n T: R25,48/25 N: R50,53
 Label T, N
 R25,48/25,50/53
 S(1/2), 37,45,60,61
 201-462-8

polychlorobiphenyls Note C

PCB
 CAS 001336-36-3
 Index 602-039-00-4
 Class'n R33 N: R50, 53
 Label Xn, N
 R33,50/53
 S(2), 35,60,61
 215-648-1
 Conc Conc >= 0.005% Xn: R33

polyethylenepolyamines with the exception of those specified elsewhere in the Approved Supply List

Index 612-065-00-8
 Class'n Xn: R21/22 C: R34 R43 N: R50, 53
 Label C, N
 R21/22, 34, 43, 50/53
 S(1/2), 26, 36/37/39, 45, 60, 61
 Conc Conc >= 25% C: R21/22,34,43
 Conc >= 10% and < 25% C: R34,43
 Conc >= 5% and < 10% Xi: R36/38,43
 Conc >= 1% and < 5% Xi: R43

mixture of

poly(1-7)lactate esters of dodecanoic acid
 and
 dodecanoic acid
 Index 607-301-00-1 (See Part III)
 Class'n Xi: R38,41 R43 N: R51,53
 Label Xi, N
 R38,41,43,51/53
 S(2), 24,26,37/39,61
 411-860-5

mixture of
poly(I-7)lactate esters of tetradecanoic acid
and
tetradecanoic acid
Index 607-302-00-7 (see Part III)
Class'n Xi: R38,41 R43 N: R51,53
Label Xi,N
R38,41,43,51/53
S(2), 24,26,37/39, 61
411-910-6

poly(oxo(2-butoxyethyl-3-oxobutanoato-0'1,0'3)
aluminium)
Index 013-007-00-9
Class'n Xi:R41
Label Xi
R41
S(2), 26,39
403-430-0

poly(oxypropylenecarbonyl-co-oxy(ethylethylene)carbonyl
, containing 27% hydroxyvalerate
Index 607-212-00-8
Class'n R43
Label Xi
R43
S(2), 24,37
403-300-3

poly(vinyl acetate), partially hydrolyzed, with (E)-2-(4-
formylstyryl)-3,4-dimethylthiazoliummethyl sulfate
(reaction products of)
CAS 125139-08-4
Index 613-144-00-X
Class'n R52,53
Label R52/53
S61
406-460-2

potassium
CAS 007440-09-7
Index 01 9-001 -00-2
Class'n F: R14/15 C: R34
Label F,C
R14/15,34
S(1/2), 5*, 8,43,45
231-119-8
* S5 is not required when other safe packaging used

potassium 2-amino-2-methylpropionate octahydrate
CAS 120447-91-8
Index 607-227-00-X
Class'n Xn: R22 C: R35
Label C
R22,35
S(1/2), 26,28,36/37/39,45
405-560-3

mixture of
potassium 7-(((3-aminophenyl)sulfonyl)amino)-
naphthalene-1,3-disulfonate
and
7-(((3-aminophenyl)sulfonyl)amino)-naphthalene-1,3-
disulfonic acid
and
sodium 7-(((3-aminophenyl)sulfonyl)amino)-
naphthalene-1,3-disulfonate
Index 607-285-00-6 (see Part III)
Class'n R43
Label Xi
R43
S(2), 22,24,37
410-065-0

potassium bifluoride
potassiumhydrogen difluoride
CAS 007789-29-9
Index 009-008-00-9
Class'n T: R25 C: R34
Label T, C
R25,34
S(1/2), 22,26, 37,45
232-156-2
Conc Conc >= 10% T: C: R25,34
Conc >= 1% and < 10% C: R22,34
Conc >= 0.1% and < 1% Xi: R36/38

• potassiumbis(N-carboxymethyl)-N-methyl-glycinato-(2-)
N,O,O,N-ferrate-(1-)monohydrate
CAS 153352-59-1
Index 607-367-00-1
Class'n Xn: R22
Label Xn
R22
S(2),37
411-640-9

potassium bromate Note E
CAS 007758-01-2
Index 035-003-00-6
Class'n 0: R9 Carc Cat 2: R45 T: R25
Label T, O
R45,9, 25
S53,45
231-829-8

potassium chlorate
CAS 003811-04-9
Index 01 7-004-00-3
Class'n 0: R9 Xn: R20/22
Label 0, Xn
R9,20/22
S(2),13,16,27
223-289-7

potassium chromate Note E

CAS 007789-00-6
 Index 024-006-00-8
 Class'n Carc Cat 2: R49 Muta Cat 2: R46 Xi:
 R36/37/38 R43 N: R50,53
 Label T,N
 R49,46,36/37/38,43,50/53
 S53,45, 60, 61
 232-140-5
 Conc Note 3
 Conc >= 20% T: R49,46,36/37/38,43
 Conc >= 0.5% and < 20% T: R49,46,43
 Conc >= 0.1% and < 0.5% T: R49,46

potassium cyanate

CAS 000590-28-3
 Index 615-016-00-9
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24/25
 209-676-3

potassium 3,6-dichloro-o-anisate

3,6-dichloro-o-anisic acid, compound with dimethylamine (1:1)
 CAS 010007-85-9
 Index 607-044-00-5
 Class'n Xi: R36 R52, 53
 Label Xi
 R36,52/53
 S(2), 26,61
 233-002-7

• **potassium 2-(2,4-dichlorophenoxy)-(R)-propionate**

CAS 113963-87-4
 Index 607-345-00-1
 Class'n Xn: R22 Xi: R38, 41 R43
 Label Xn
 R22,38,41,43
 S(2), 24,26, 37/39
 41 3-580-9

potassium dichromate Note E

CAS 007778-50-9
 Index 024-002-00-6
 Class'n Carc Cat 2: R49 Muta Cat 2: R46 T+: R26 T:
 R25 Xn: R21 Xi: R37/38,41 R43 N: R50,53
 Label T+, N
 R49,46,21,25,26,37/38,41,43,50/53
 S53,45,60,61
 231-906-6
 Conc Note 3
 Conc >= 7% T+: R49,46,21,25,26,37/38,41,43
 Conc >= 0.5% and < 7% T: R49,46,43
 Conc >= 0.1% and < 0.5% T: R49,46

potassium 4,6-dinitro-o-cresolate

DNOC, sodium salt of
 sodium 4,6-dinitro-o-cresolate
 DNOC, potassium salt of
 CAS 005787-96-2
 Index 609-021-00-5
 Class'n T R23/24/25 R33 N: R50,53
 Label T,N
 R23/24/25,33,50/53
 S(1/2), 13,45,60,61

potassium ethanolate

sodium ethanolate
 potassium ethoxide
 sodium methoxide
 CAS 000917-58-8
 Index 603-041-00-8
 Class'n F: R11 C: R34 RI4
 Label F,C
 R11,14,34
 S(1/2), 8,16,26,43,45
 213-029-0

potassium ethoxide

potassium ethanolate
 sodium ethanolate
 sodium methoxide
 CAS 000917-58-8
 Index 603-041-00-8
 Class'n F: R11 C: R34 RI4
 Label F,C
 R11,14,34
 S(1/2), 8,16, 26,43, 45
 213-029-0

potassium fluoride

CAS 007789-23-3
 Index 009-005-00-2
 Class'n T: R23/24/25
 Label T
 R23/24/25
 S(1/2), 26,45
 232-151-5

potassium hydrogen difluoride

potassium bifluoride
 CAS 007789-29-9
 Index 009-008-00-9
 Class'n T: R25 C: R34
 Label T, C
 R25,34
 S(1/2), 22,26,37,45
 232-156-2
 Conc Conc >= 10% T C: R25,34
 Conc >= 1% and e 10% C: R22,34
 Conc >= 0.1% and e 1% Xi: R36/38

potassium hydrogensulphate

CAS 007646-93-7
 Index 016-056-00-4
 Class'n C: R34 Xi: R37
 Label C
 R34,37
 S(1/2), 26,36/37/39,45
 231-594-1

potassium hydroxide

caustic potash
 CAS 001310-58-3
 Index 019-002-00-8
 Class'n Xn: R22 C: R35
 Label C
 R22,35
 S(1/2), 26,36/37/39,45
 215-181-3
 Conc Conc >= 25% C: R22,35
 Conc >= 5% and < 25% C: R35
 Conc >= 2% and < 5% C: R34
 Conc >= 0.5% and < 2% Xi: R36/38

potassium 2-hydroxycarbazole-1-carboxylate

CAS 096566-70-0
 Index 607-180-00-5
 Class'n Xn: R22 Xi: R36/37 R52, 53
 Label Xn
 R22,36/37,52/53
 S(2),22,26,61
 401-630-2

mixture of

potassium 7-[[[3-[[4-((2-hydroxy-naphthyl)azo)phenyl]azo]phenyl]sulfonyl]amino]-naphthalene-1,3-disulfonate

and

sodium 7-[[[3-[[4-((2-hydroxy-naphthyl)azo)phenyl]azo]phenyl]sulfonyl]amino]-naphthalene-1,3-disulfonate

CAS 141880-36-6
 Index 607-286-00-1 (See Part III)
 Class'n R43 R52, 53
 Label Xi
 R43,52/53
 S(2), 22,24, 37,61
 410-070-8

potassium iron(m) 1,3-propanediamine-N,N,N',N'-tetraacetate hemihydrate

Index 607-263-00-6
 Class'n E: R2 N: R51, 53
 Label E, N
 R2,51/53
 S(2), 35,61
 405-680-6

• **potassium 4-(1(1-methacrylamidoundecanamido)benzenesulfonate**

CAS 174393-75-0
 Index 616-068-00-5
 Class'n R43
 Label Xi
 R43
 S(2), 22,24, 37
 406-500-9

potassium methanolate

sodium methanolate
 lithium methanolate
 sodium methoxide
 potassium methoxide
 lithium methoxide
 CAS 000865-33-8
 Index 603-040-00-2
 Class'n F: R11 C: R34 R14
 Label F, C
 R11,14,34
 S(1/2), 8, 16,26,43,45
 212-736-1

potassium methoxide

sodium methanolate
 potassium methanolate
 lithium methanolate
 sodium methoxide
 lithium methoxide
 CAS 000865-33-8
 Index 603-040-00-2
 Class'n F: R11 C: R34 R14
 Label F, C
 R11,14,34
 S(1/2), 8,16,26,43,45
 212-736-1

• **mixture of**

potassium 2-(9-methyl-1,3,8,10-tetraoxo-2,3,9,10-tetrahydro-(1H,8H)-anthra[2,1,9-def:6,5,10-d'e'f]diisoquinolin-2-ylethansulfate

and

2-(9-methyl-1,3,8,10-tetraoxo-2,3,9,10-tetrahydro-(1H,8H)-anthra[2,1,9-def:6,5,10-d'e'f]diisoquinolin-2-ylethansulfonic acid

Index 616-077-00-4 (see Part III)
 Class'n Xi: R41
 Label Xi
 R41
 S(2),26,39
 411-310-4

potassium mu-fluoro-bis(triethylaluminium)

CAS 012091-08-6
 Index 009-017-00-8
 Class'n F: R11, 14/15 C: R35 Xn: R20
 Label F, C
 R11, 14/15,20,35
 S(1/2), 16, 30, 36/39, 43,45
 400-040-2

potassium nitrite

CAS 007758-09-0
 Index 007-011-00-X
 Class'n O: R8 T: R25 N: R50
 Label O, T, N
 R8,25,50
 S(1/2), 45, 61
 231-832-4
 Conc Conc >= 5% T: R25
 Conc >= 1% and < 5% Xn: R22

potassium pentachlorophenate

sodium pentachlorophenolate
sodium pentachlorophenate
potassium pentachlorophenolate

CAS 007778-73-6
Index 604-003-00-3
Class'n Carc Cat 3: R40 T+: R26 T: R24/25 Xi:
R36/37/38 N: R50, 53
Label T+,N
R24/25, 26, 36/37/38, 40, 50/53
S(1/2), 22, 28, 36/37, 45, 52, 60, 61
231-911-3

potassium pentachlorophenolate

sodium pentachlorophenolate
sodium pentachlorophenate
potassium pentachlorophenate

CAS 007778-73-6
Index 604-003-00-3
Class'n Carc Cat 3: R40 T+: R26 T: R24/25 Xi:
R36/37/38 N: R50, 53
Label T+,N
R24/25, 26, 36/37/38, 40, 50/53
S(1/2), 22, 28, 36/37, 45, 52, 60, 61
231-911-3

potassium perchlorate

CAS 007778-74-7
Index 017-008-00-5
Class'n O: R9 Xn: R22
Label O,Xn
R9, 22
S(2), 13, 22, 27

potassium permanganate

CAS 007722-64-7
Index 025-002-00-9
Class'n O: R8 Xn: R22 N: R50, 53
Label O,Xn,N
R8, 22, 50/53
S(2), 60, 61
231-760-3

potassium persulphate

dipotassium peroxodisulphate

CAS 007727-21-1
Index 016-061-00-1
Class'n O: R8 Xn: R22 Xi: R36/37/38 R42/43
Label O,Xn
R8, 22, 36/37/38, 42/43
S(2), 22, 24, 26, 37
231-781-8

potassium polysulphides

CAS 037199-66-9
Index 016-007-00-7
Class'n R31 C: R34 N: R50
Label C,N
R31, 34, 50
S(1/2), 26, 45, 61

potassium sodium 5-(4-chloro-6-(N-(4-(4-chloro-6-(5-hydroxy-2,7-disulphonato-6-(2-sulphonatophenylazo)-4-naphthylamino)-1,3,5-triazin-2-ylamino)phenyl-N-methylamino)-1,3,5-triazin-2-ylamino)-4-hydroxy-3-(2-sulphonatophenylazo)naphthalene-2,7-disulphonat

Index 016-050-00-1
Class'n Xi: R36 R43
Label Xi
R36, 43
S(2), 22, 24, 26, 37
402-150-6

potassium sulphide

dipotassiumsulphide

CAS 001312-73-8
Index 016-006-00-1
Class'n R31 C: R34 N: R50
Label C, N
R31, 34, 50
S(1/2), 26, 45, 61
215-197-0

potassium N-(4-toluenesulfonyl)-4-toluenesulfonamide

CAS 097888-41-0
Index 616-040-00-2
Class'n Xi: R41
Label Xi
R41
S(2), 26, 39
406-650-5

prochloraz

N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-1H-imidazole-1-carboxamide

CAS 067747-09-5
Index 613-128-00-2
Class'n Xn: R22 N: R50, 53
Label Xn, N
R22, 50/53
S(2), 60, 61
266-994-5

profenofos

O-(4-bromo-2-chlorophenyl)O-ethyl S-propyl phosphorothioate

CAS 041198-08-7
Index 015-135-00-0
Class'n Xn: R20/21/22
Label Xn
R20/21/22
S(2), 36/37
255-255-2

profluralin (ISO)

N-(cyclopropylmethyl)-a,a,a-trifluoro-2,6-dinitro-N-propyl-p-toluidine

CAS 026399-36-0
Index 613-059-00-8
Class'n Xi: R36 N: R50, 53
Label Xi,N
R36, 50/53
S(2), 60, 61
247-656-6

promecarb (ISO)

3-isopropyl-5-methylphenyl N-methylcarbamate
 CAS 002631-37-0
 Index 006-037-00-9
 Class'n T:R25 N:R50,53
 Label T, N
 R25,50/53
 S(1/2), 24,37,45,60, 61
 220-113-0

■ propachlor (ISO)

2-chloro-N-isopropylacetanilide
 a-chloro-N-isopropylacetanilide
 CAS 001918-16-7
 Index 616-008-00-8
 Class'n Xn:R22 Xi:R36 R43 N:R50,53
 Label Xn, N
 R22,36,43,50/53
 S(2),24,37,60, 61
 217-638-2

propanal

propionaldehyde
 CAS 000123-38-6
 Index 605-018-00-8
 Class'n F:R11 Xi:R36/37/38
 Label F, Xi
 R11, 36/37/38
 S(2),9, 16,29
 204-623-0

propane

CAS 000074-98-6
 Index 601-003-00-5
 Class'n F+:R12
 Label F+
 R12
 S(2),9, 16
 200-827-9

1,3-propanesultone Note E

1,2-oxathiolane 2,2-dioxide
 CAS 001120-71-4
 Index 016-032-00-3
 Class'n Carc Cat 2: R45 Xn: R21/22
 Label T
 R45,21/22
 S53,45
 214-317-9
 Conc Conc >= 25% T: R45,21/22
 Conc >= 0.01% and < 25% T: R45

■ propanil (ISO)

3',4'-dichloropropionanilide
 CAS 000709-98-8
 Index 616-009-00-3
 Class'n Xn:R22 N:R50
 Label Xn, N
 R22,50
 S(2),22,61
 211-914-6

■ -propanol

propan-1-ol
 CAS 000071-23-8
 Index 603-003-00-0
 Class'n F:R11 Xi: R41 R67
 Label F, Xi
 R11,41,67
 S(2),7, 16,24,26,39
 200-746-9

propan-1-ol

■ -propanol
 CAS 000071-23-8
 Index 603-003-00-0
 Class'n F: R11 Xi:R41 R67
 Label F Xi
 R11,41,67
 S(2),7, 16,24,26,39
 200-746-9

propan-2-ol

isopropylalcohol
 isopropanol
 CAS 000067-63-0
 Index 603-117-00-0
 Class'n F:R11 Xi:R36 R67
 Label F Xi
 R 11,36,67
 S(2),7, 16, 24/25,26
 200-661-7

3-propanolide Note E

1,3-propiolactone
 CAS 000057-57-8
 Index 606-031-00-1
 Class'n Carc Cat 2: R45 T+: R26 Xi: R36/38
 Label T+
 R45,26,36/38
 S53,45
 200-340-1

propanone

acetone
 propan-Zone
 CAS 000067-64-1
 Index 606-001-00-8
 Class'n F:R11 Xi:R36 R66 R67
 Label F, Xi
 R11,36,66,67
 S(2),9, 16,26
 200-662-2

propan-2-one

acetone
 propanone
 CAS 000067-64-1
 Index 606-001-00-8
 Class'n F:R11 Xi:R36 R66 R67
 Label F Xi
 R11,36,66,67
 S(2),9, 16, 26
 200-662-2

propargite (ISO)

2-(4-tert-butylphenoxy)cyclohexylprop-2-ynyl sulphite
 CAS 002312-35-8
 Index 607-1 51-00-7
 Class'n Xn: R22 Xi: R36 N: R50, 53
 Label Xn, N
 R22, 36, 50/53
 S(2), 24, 60, 61
 219-006-1

propargyl alcohol

prop-2-yn-1-ol
 CAS 000107-19-7
 Index 603-078-00-X
 Class'n R10 T: R23/24/25 C: R34 N: R51, 53
 Label T, N
 R10, 23/24/25, 34, 51/53
 S(1/2), 26, 28, 36, 45, 61
 203-471-2

propazine

2-chloro-4,6-bis(isopropylamino)-1,3,5-triazine
 CAS 000139-40-2
 Index 613-067-00-1
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R40, 50/53
 S(2), 36/37, 60, 61
 205-359-9

prop-2-enal Note D

acrylaldehyde
 acrolein
 CAS 000107-02-8
 Index 605-008-00-3
 Class'n F: R11 T+: R26 T: R24/25 C: R34 N: R50
 Label F, T+, N
 R11, 24/25, 26, 34, 50
 S23, 26, 28, 36/37/39, 45, 61
 203-453-4

prop-2-enamide Notes D and E

acylamide
 CAS 000079-06-1
 Index 61 6-003-00-0
 Class'n Carc Cat 2: R45 Muta Cat 2: R46 Repr Cat 3:
 R62 T: R25, 48/23/24/25 Xn: R20/21 Xi:
 R36/38 R43
 Label T
 R45, 46, 20/21, 25, 36/38, 43, 48/23/24/25, 62
 S53, 45
 201-173-7

propene

propylene
 CAS 0001 15-07-1
 Index 601-011-00-9
 Class'n F+: R12
 Label F+
 R12
 S(2), 9, 16, 33
 204-062-1

prop-2-enoic acid Note D

acrylic acid
 CAS 000079-10-7
 Index 607-061-00-8
 Class'n R10 Xn: R20/21/22 C: R35 N: R50
 Label C, N
 R10, 20/21/22, 35, 50
 S(1/2), 26, 36/37/39, 45, 61
 201-177-9
 Conc Conc >= 25% C: R20/21/22, 35
 Conc >= 10% and < 25% C: R35
 Conc >= 5% and < 10% C: R34
 Conc >= 1% and < 5% Xi: R36/37/38

prop-2-en-1-yl 2,3-epoxypropyl ether

allyl 2,3-epoxypropyl ether
 allyl glycidyl ether
 CAS 000106-92-3
 Index 603-038-00-1
 Class'n R10 Carc Cat 3: R40 Muta Cat 3: R68 Repr Cat
 3: R62 Xn: R20/22 Xi: R37/38, 41 R43 R52,
 53
 Label Xn
 R10, 20/22, 37/38, 40, 41, 43, 52/53, 62, 68
 S(2), 24/25, 26, 36/37/39, 61
 203-442-4

2-(3-(prop-1-en-2-yl)phenyl)prop2-yl isocyanate

CAS 002094-99-7
 Index 006-074-00-0
 Class'n T+: R26 C: R34 Xn: R48/20 R42/43 N:
 R50/53
 Label T+, N
 R26, 34, 42/43, 48/20, 50/53
 S(1/2), 7, 15, 28, 36/37/39, 38, 45, 60, 61
 402-440-2

1-(2-propenyl)pyridinium chloride

CAS 025965-81-5
 Index 612-179-00-8
 Class'n Xn: R22 R43
 Label Xn
 R22, 43
 S(2), 24, 37
 412-740-5

propetamphos (ISO)

isopropyl 3-ethylamino(methoxy)phosphinothioxyloxy)isocrotonate
 CAS 031218-83-4
 Index 015-136-00-6
 Class'n T: R25
 Label T
 R25
 S(1/2), 37, 45
 250-517-2

1,3-propiolactone Note E

3-propanolide
 CAS 000057-57-8
 Index 606-031-00-1
 Class'n Carc Cat 2: R45 T+: R26 Xi: R36/38
 Label T+
 R45, 26, 36/38
 S53, 45
 200-340-1

propionaldehyde

propanal
 CAS 000123-38-6
 Index 605-01 8-00-8
 Class'n F: R11 Xi: R36/37/38
 Label F, Xi
 R11, 36/37/38
 S(2), 9, 16, 29
 204-623-0

propionic acid ... % Note B

CAS 000079-09-4
 Index 607-089-00-0
 Class'n C: R34
 Label C
 R34
 S(1/2), 23, 36, 45
 201 -176-3
 Conc Conc >= 25% C: R34
 Conc >= 10% and < 25% Xi: R36/37/38

propionic anhydride

CAS 000123-62-6
 Index 607-010-00-X
 Class'n C: R34
 Label C
 R34
 S(1/2), 26, 45
 204-638-2
 Conc Conc >= 25% C: R34
 Conc >= 10% and < 25% Xi: R36/38

propionylchloride

CAS 000079-03-8
 Index 607-093-00-2
 Class'n F: R11 R14 C: R34
 Label F, C
 R11, 14, 34
 S(1/2), 9, 16, 26, 45
 201 -170-0

propoxur (ISO)

2-isopropoxyphenylN-methylcarbamate
 2-isopropoxyphenylmethylcarbamate
 CAS 000114-26-1
 Index 006-01 6-00-4
 Class'n T: R25 N: R50, 53
 Label T, N
 R25, 50/53
 S(1/2), 37, 45, 60, 61
 204-043-8

propyl acetate Note C

CAS 000109-60-4
 Index 607-024-00-6 (see Part III)
 Class'n F: R11 Xi: R36 R66 R67
 Label F, Xi
 R11, 36, 66, 67
 S(2), 16, 26, 29, 33
 203-686-1

propylbenzene Note C

CAS 000103-65-1
 Index 601-024-00-X (see Part III)
 Class'n R10 Xn: R65 Xi: R37 N: R51, 53
 Label Xi, N
 R10, 37, 51/53, 65
 S(2), 24, 37, 61, 62
 203-1 32-9

propylbromide

l-bromopropane
 CAS 000106-94-5
 Index 602-019-00-5
 Class'n R10 Xn: R20
 Label Xn
 R10, 20
 S(2), 9, 24
 203-445-0

n-propylchloroformate

propylchloroformate
 chloroformic acid propylester
 CAS 000109-61-5
 Index 607-142-00-8
 Class'n R10 T: R23 C: R34
 Label T
 R10, 23, 34
 S(1/2), 26, 36, 45
 203-687-7

propylchloroformate

chloroformic acid propylester
 n-propylchloroformate
 CAS 000109-61-5
 Index 607-142-00-8
 Class'n R10 T: R23 C: R34
 Label T
 R10, 23, 34
 S(1/2), 26, 36, 45
 203-687-7

4-propylcyclohexanone

CAS 040649-36-3
 Index 606-057-00-3
 Class'n Xi: R38 R52, 53
 Label Xi
 R38, 52/53
 S(2), 25, 37, 61
 406-810-4

S-propyl dipropylthiocarbamate

vemolate
 CAS 001929-77-7
 Index 006-066-00-7
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22, 51/53
 S(2), 61
 217-681-7

propylene

propene

CAS 000115-07-1
 Index 601-011-00-9
 Class'n F+: R12
 Label F+
 R12
 S(2), 9, 16, 33
 204-062-1

propylene carbonate

CAS 000108-32-7
 Index 607-194-00-1
 Class'n Xi: R36
 Label Xi
 R36
 S(2)
 203-572-1

propylenediamine

CAS 000078-90-0
 Index 612-100-00-7
 Class'n R10 Xn: R21/22 C: R35
 Label C
 R10, 21/22, 35
 S(1/2), 26, 37/39, 45
 201-155-9

propylene dichloride

1,2-dichloropropane

CAS 000078-87-5
 Index 602-020-00-0
 Class'n F:R11 Xn:R20/22
 Label F,Xn
 R11, 20/22
 S(2), 16, 24
 201-152-2

propylene glycol monobutyl ether

3-butoxypropan-2-ol

CAS 005131-66-8
 Index 603-052-00-8
 Class'n Xi: R36/38
 Label Xi
 R36/38
 S(2)
 225-878-4
 Conc Conc >= 20% Xi: R36/38

propyleneimine Note E

2-methylaziridine

CAS 000075-55-8
 Index 613-033-00-6
 Class'n F: R11 Carc Cat 2: R45 T+: R26/27/28 Xi:
 R41 N: R51, 53
 Label F, T+, N
 R45, 11, 26/27/28, 41, 51/53
 S53, 45, 61
 200-878-7
 Conc Conc >= 10% T+: R45, 26/27/28, 41
 Conc >= 7% and < 10% T+: R45, 26/27/28, 36
 Conc >= 5% and < 7% T: R45, 23/24/25, 36
 Conc >= 1% and < 5% T: R45, 23/24/25
 Conc >= 0.1% and < 1% T: R45, 20/21/22
 Conc >= 0.01% and < 0.1% T R45

propylene oxide Note E

1,2-epoxypropane

methyloxirane

CAS 000075-56-9
 Index 603-055-00-4
 Class'n F+: R12 Carc Cat 2: R45 Muta Cat 2: R46 Xn:
 R20/21/22 Xi: R36/37/38
 Label F+, T
 R45, 46, 12, 20/21/22, 36/37/38
 S53, 45
 200-879-2

1,3-propylene oxide

CAS 000503-30-0
 Index 603-058-00-0
 Class'n F: R11 Xn: R20/21/22
 Label F,Xn
 R11, 20/21/22
 S(2), 9, 16, 26, 29
 207-964-3

propylenethiourea

CAS 002122-19-2
 Index 613-070-00-8
 Class'n Repr Cat 3: R63 Xn: R22 R52, 53
 Label Xn
 R22, 52/53, 63
 S(2), 36/37, 46, 61

propyl formate Note C

CAS 000110-74-7
 Index 607-016-00-2 (see Part III)
 Class'n F: R11 Xi: R36/37 R67
 Label F, Xi
 R11, 36/37, 67
 S(2), 9, 16, 24, 33
 203-798-0

propylisome

dipropyl 6,7-methylenedioxy-1,2,3,4-tetrahydro-3-methylnaphthalene-1,2-dicarboxylate

CAS 000083-59-0
 Index 607-168-00-X
 Class'n T: R24 Xn: R22 N: R50, 53
 Label T, N
 R22, 24, 50/53
 S(1/2), 36/37, 45, 60, 61

2-(propyloxy)ethanol

CAS 002807-30-9
 Index 603-095-00-2
 Class'n R10 Xn: R21 Xi: R36
 Label Xn
 R10, 21, 36
 S(2), 24/25, 36/37
 220-548-6

propyl propionate

CAS 000106-36-5
 Index 607-030-00-9
 Class'n R10 Xn: R20
 Label Xn
 R10, 20
 S(2), 24
 203-389-7

N-propyl-N-[242,4,6-trichlorophenoxyethyl]-1H-imidazole-1-carboxamide prochloraz

CAS 067747-09-5
 Index 613-128-00-2
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2), 60,61
 266-994-5

propyl 3,4,5-trihydroxybenzoate

CAS 000121-79-9
 Index 607-198-00-3
 Class'n Xn:R22 R43
 Label Xn
 R22,43
 S(2), 24,37
 204-498-2

prop2-yn-1-01

propargyl alcohol
 CAS 000107-19-7
 Index 603-078-00-X
 Class'n R10 T:R23/24/25 C:R34 N:R51,53
 Label T, N
 R10,23/24/25,34,51/53
 S(1/2), 26,28,36,45,61
 203-471-2

• **propyzamide (ISO)**

3,5-dichloro-N-(1,1-dimethylprop2-ynyl)benzamide
 CAS 023950-58-5
 Index 616-055-00-4
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R40,50/53
 S(2), 36/37, 60,61
 245-951-4

• **propryluron**

1-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-3-[(3,3,3-trifluoropropyl)phenyl]sulfonylurea
 CAS 094125-34-5
 Index 016-084-00-7
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2),60,61

proteases with the exception of those specified elsewhere in the Approved Supply List

Index 647-014-00-9
 Class'n Xi: R36/37/38 R42
 Label Xn
 R36/37/38,42
 S(2), 22,24,26,36/37

Proteinase, microbial neutral

CAS 009068-59-1
 Index 647-013-00-3
 Class'n Xi: R36/37/38 R42
 Label Xn
 R36/37/38,42
 S(2), 22,24,26,36/37
 232-966-6

prothiocarbhydrochloride

S-ethyl N-(d-knethylaminopropyl)thiocarbamatehydrochloride
 CAS 019622-19-6
 Index 006-061-00-X
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22,51/53
 S(2), 61
 243-193-9

prothoate (ISO)

O,O-diethyl isopropyl carbamoylmethyl phosphorodithioate
 CAS 002275-18-5
 Index 015-032-00-0
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 28,36/37,45
 218-893-2

■ **proxan-sodium (ISO)**

sodium 0-isopropyl dithiocarbamate
 CAS 000140-93-2
 Index 006-024-00-8
 Class'n Xn: R22 Xi: R38 N: R51,53
 Label Xn, N
 R22,38,51/53
 S(2), 13,61
 205-443-5

pyracarbolid

3,4-dihydro-6-methyl-2H-pyran-5-carboxane
 CAS 024691-76-7
 Index 616-034-00-X
 Class'n R52, 53
 Label R52/53
 S61
 246-419-4

pyrazon

chloridazon (ISO)
5-amino-4-chloro-2-phenylpyridazin-3-(2H)-one
 CAS 001698-60-8
 Index 606-035-00-3
 Class'n R43 N: R50, 53
 Label Xi, N
 R43,50/53
 S(2), 24, 37, 60, 61
 216-920-2

■ pyrazophos (ISO)

O,O-diethyl O-(6-ethoxycarbonyl-S-methylpyrazolo[2,3-a]pyrimidin-2-yl)phosphorothioate
 CAS 013457-18-6
 Index 015-137-00-1
 Class'n Xn: U0122 N: R50, 53
 Label Xn, N
 R20/22,50/53
 S(2), 36/37,46,60, 61
 236-656-1

pyrazoxon

diethyl 3-methylpyrazol-5-ylphosphate
 CAS 000108-34-9
 Index 015-023-00-1
 Class'n T+: R26/27/28
 Label T+
 R26/27/28
 S(1/2), 13,28,45

pyrethrin I

2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[la[S*(Z)],3P]]-chrysanthemate
 CAS 000121-21-1
 Index 613-023-00-1
 Class'n Xn: R20/21/22 N: R50,53
 Label Xn, N
 R20/21/22,50/53
 S(2), 13,60,61
 204-455-8

pyrethrin II

2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[la[S*(Z)](3B)]]-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate
 CAS 000121-29-9
 Index 613-024-00-7
 Class'n Xn:R20/21/22 N: R50,53
 Label Xn,N
 R20/21/22,50/53
 S(2), 13,60,61
 204-462-6

pyrethrins including cinerins

Index 613-022-00-6
 Class'n Xn: R20/21/22 N: R50,53
 Label Xn,N
 R20/21/22,50/53
 S(2), 13, 60,61

• pyridate (ISO)

O-(6-chloro-3-phenylpyridazin-4-yl)S-octylthiocarbonate
 CAS 055512-33-9
 Index 607-232-00-7
 Class'n Xi: R38 R43 N: R50, 53
 Label Xi,N
 R38,43,50/53
 S(2), 24, 37,60,61
 259-686-7

pyridine

CAS 000110-86-1
 Index 613-002-00-7
 Class'n F: R11 Xn: R20/21/22
 Label F,Xn
 R11,20/21/22
 S(2),26,28
 203-809-9
 Conc Conc >= 5% Xn: R20/21/22

pyrocatechol

1,2-dihydroxybenzene
 CAS 000120-80-9
 Index 604-016-00-4
 Class'n Xn:R21/22 Xi:R36/38
 Label Xn
 R21/22,36/38
 S(2), 22,26,37
 204-427-5

■ pyrogallol

1,2,3-trihydroxybenzene
 CAS 000087-66-1
 Index 604-009-00-6
 Class'n Muta Cat 3: R68 Xn: R20/21/22 R52,53
 Label Xn
 R20/21/22,52/53,68
 S(2), 36/37,61
 201-762-9
 Conc Conc >= 10% Xn: R20/21/22, 68
 Conc >= 1% and < 10% Xn:R68

pyromellitic dianhydride

benzene-1,2:4,5-tetracarboxylic dianhydride
 CAS 000089-32-7
 Index 607-098-00-X
 Class'n Xi:R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 22, 24 26,37/39
 201-898-9

pyroquilon (ISO)

1,2,5,6-tetrahydropyrrolo[3,2,1-ij]quinolin-4-one
 CAS 057369-32-1
 Index 613-131-00-9
 Class'n Xn:R22 R52,53
 Label Xn
 R22,52/53
 S(2),61

quaternary ammonium compounds, benzyl-CI-18-alkyldimethyl, chlorides

CAS 063449-41-2
 Index 612-140-00-5
 Class'n Xn: R21/22 C: R34 N: R50
 Label C,N
 R21/22,34,50
 S(2), 36/37/39,45,61
 264-151-6

quinalphos (ISO)

O,O-diethyl-O-quinoxalin-2-yl phosphorothioate
 CAS 013593-03-8
 Index 015-138-00-7
 Class'n T:R25 Xn:R21
 Label T
 R21, 25
 S(1/2), 22, 36/37, 45
 237-031 -6

■ quinol

1,4-dihydroxybenzene
 hydroquinone
 CAS 000123-31-9
 Index 604-005-00-4
 Class'n Carc Cat 3: R40 Muta Cat 3: R68 Xn: R22 Xi:
 R41 R43 N:R50
 Label Xn,N
 R22, 40, 41, 43, 50, 68
 S(2), 26, 36/37/39, 61
 204-61 7-8

quinomethionate

chinomethionat(ISO)
 6-methyl-1,3-dithiolo(4,5-b)quinoxalin-2-one
 CAS 002439-01-2
 Index 606-036-00-9
 Class'n Repr Cat 3: R62 Xn: R20/21/22, 48/22 Xi:R36
 R43 N:R50, 53
 Label Xn,N
 R20/21/22, 36, 43, 48/22, 50/53, 62
 S(2), 24, 37, 60, 61
 219-455-3

quinone

p-benzoquinone
 CAS 000106-51-4
 Index 606-013-00-3
 Class'n T: R23/25 Xi: R36/37/38 N: R50
 Label T, N
 R23/25, 36/37/38, 50
 S(1/2), 26, 28, 45, 61
 203-405-2

quinoxifen

CAS 124495-18-7
 Index 613-138-00-7
 Class'n R43 N:R50, 53
 Label Xi, N
 R43, 50/53
 S(2), 24, 37, 46, 60, 61

quintozene (ISO)

pentachloronitrobenzene
 CAS 000082-68-8
 Index 609-043-00-5
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 201-435-0

red squill

bufa-4,20,22-trienolide,6-(acetyloxy)-3-(β-D-glucopyranosyloxy)-
 8,14-dihydroxy-(3β 6β)-
 scilliroside
 CAS 000507-60-8
 Index 614-027-00-6
 Class'n T+:R28
 Label T+
 R28
 S(1/2), 36/37, 45
 208-077-4

Refractory Ceramic Fibres, with the exception of those specified elsewhere in the Approved Supply List

Notes A and R

Special Purpose Fibres, with the exception of those specified elsewhere in the Approved Supply List

Index 650-017-00-8 (see Part II)
 Class'n Carc Cat 2: R49 Xi: R38
 Label T
 R49, 38
 S53, 45

Rennin

CAS 009001-98-3
 Index 647-009-00-1
 Class'n Xi: R36/37/38 R42
 Label Xn
 R36/37/38, 42
 S(2), 22, 24, 26, 36/37
 232-645-0

resmethrin (ISO)

5-benzyl-3-furylmethyl(+)-cis-trans-chrysanthemate
 CAS 010453-86-8
 Index 613-060-00-3
 Class'n Xn: R22 N: R50, 53
 Label Xn,N
 R22, 50/53
 S(2), 60, 61
 233-940-7

resorcinol

1,3-benzenediol
 CAS 000108-46-3
 Index 604-010-00-1
 Class'n, Xn: R22 Xi: R36/38 N: R50
 Label Xn,N
 R22, 36/38, 50
 S(2), 26, 61
 203-585-2
 Conc Conc >= 20% Xn: R22, 36/38
 Conc >= 10% and < 20% Xn R22

n resorcinol diglycidyl ether

1,3-bis(2,3-epoxypropoxy)benzene
 CAS 000101-90-6
 Index 603-065-00-9
 Class'n Carc Cat 3: R40 Muta Cat 3: R68 Xn: R21/22
 Xi: R36/38 R43 R52, 53
 Label Xn
 R21/22, 36/38, 40, 43, 52/53, 68
 S(2), 23, 36/37, 61
 202-987-5

rosin

rosin {tall-oil rosin}
 rosin (resin acids and rosin acids)
 CAS 008050-09-7
 Index 650-015-00-7
 Class'n R43
 Label Xi
 R43
 S(2), 24,37
 232-475-7

rosin {resin acids and rosin acids}

rosin
 rosin {tall-oil rosin}
 CAS 073138-82-6
 Index 650-015-00-7
 Class'n R43
 Label Xi
 R43
 S(2),24,37
 277-299-1

rosin {tall-oil rosin}

rosin
 rosm {resin acids and rosin acids}
 CAS 008052-10-6
 Index 650-015-00-7
 Class'n R43
 Label Xi
 R43
 S(2), 24,37
 232-484-6

rotenone

(2R,6a,S,12aS)-1,2,6,6a,12,12a-hexahydro-2-isopropenyl-8,9-dimethoxychromeno[3,4-b]furo[2,3-h]chromen-6-one
 CAS 000083-79-4
 Index 650-005-00-2
 Class'n T: R25 Xi: R36/37/38 N: R50, 53
 Label T,N
 R25,36/37/38,50/53
 S(1/2), 22,24/25,36,45,60, 61
 201-501-9

(RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl(1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate Note C

CAS 000584-79-2
 Index 006-025-00-3 (see Part III)
 Class'n Xn: R20/22 N: R50, 53
 Label Xn,N
 R20/22,50/53
 S(2), 36,60,61
 209-542-4

(RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl(1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate Note C

CAS 084030-86-4
 Index 006-025-00-3 (see Part III)
 Class'n Xn: R20/22 N: R50, 53
 Label Xn, N
 R20/22,50/53
 S(2), 36, 60, 61

(RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl(1RS,3RS;IRS,3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate Note C

CAS 000584-79-2
 Index 006-025-00-3 (see Part III)
 Class'n Xn: R20/22 N: R50, 53
 Label Xn,N
 R20/22,50/53
 S(2), 36,60,61
 209-542-4

(E)-(RS)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol

diniconazole
 (E)-β-[(2,4-dichlorophenyl)methylene]-α-(1,1-dimethylethyl)-1H-1,2,4-triazol-1-ethanol
 CAS 076714-88-0
 Index 613-117-00-2
 Class'n Xn: R22 N: R50, 53
 Label Xn,N
 R22,50/53
 S(2), 60, 61

(E)-(RS)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol

diniconazole
 (E)-β-[(2,4-dichlorophenyl)methylene]-α-(1,1-dimethylethyl)-1H-1,2,4-triazol-1-ethanol
 CAS 083657-24-3
 Index 613-117-00-2
 Class'n Xn: R22 N: R50, 53
 Label Xn,N
 R22,50/53
 S(2), 60,61

(RS)-2-(2,4-dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)hexan-2-ol

hexaconazole (ISO)
 CAS 079983-71-4
 Index 613-130-00-3
 Class'n R43 N: R51,53
 Label Xi,N
 R43,51/53
 S(21, 24,37,61

• (RS)-2-(2,4-dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)hexan-2-ol

CAS 079983-71-4
 Index 613-171-00-7
 Class'n Xn: R22 R43 N: R51, 53
 Label Xn,N
 R22,43,51/53
 S(2), 24,37,61
 413-050-7

(RS)-3-(1-(2-furyl)-3-oxobutyl)-4-hydroxycoumarin

fumarin
 coumafuryl(ISO)
 4-hydroxy-3-[3-oxo-1-(2-furyl)butyl]coumarin
 CAS 000117-52-2
 Index 607-058-00-1
 Class'n T: R25, 48/25 R52, 53
 Label T
 R25,48/25,52/53
 S(1/2), 37, 45, 61
 204-195-5

• (RS)-5-methylamino-2-phenyl-4-(α,α,α -trifluoro-m-tolyl)furan-3(2H)-one flurtamone (ISO)

CAS 096525-23-4
Index 606-053-00-1
Class'n N: R50, 53
Label N
R50/53
S60,61

• (2RS,3RS)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane

CAS 106325-08-0
Index 613-175-00-9
Class'n Carc Cat 3: R40 Repr Cat 2: R61 Repr Cat 3: R62 N: R51, 53
Label T, N
R61, 40, 62, 51/53
S53, 45, 61
406-850-2

(2RS,3RS)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol

diclobutrazole
(R*,R*)-(+)- β -[2,4-dichlorophenyl)methyl]- α -[1,1-dimethylethyl]-1H-1,2,4-triazole-1-ethanol
CAS 075736-33-3
Index 613-122-00-X
Class'n Xi: R36 N: R51, 53
Label Xi, N
R36, 51/53
S(2), 26, 61

(2RS,3RS;2RS,3SR)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol

cyproconazole (ISO)
CAS 094361-06-5
Index 650-032-00-X
Class'n Repr Cat 3: R63 Xn: R22 N: R50, 53
Label Xn, N
R22, 50/53, 63
S(2), 36/37, 60, 61

• (RS)-S-sec-butyl-O-ethyl-2-oxo-1,3-thiazolidin-3-ylphosphonothioate fosthiazate (ISO)

CAS 098886-44-3
Index 015-168-00-0
Class'n T: R23/25, 39 Xn: R21 Xi: R41 R43 N: R50, 53
Label T, N
R21, 23/25, 39, 41, 43, 50/53
S(1/2), 53, 45, 25, 26, 39, 60, 61

ryania

6-(1 α ,5 α ,8 α ,9-pentahydroxy-7 β -isopropyl-2 β , 5 β ,8 β -trimethylperhydro-8 $\beta\alpha$,9-epoxy-5,8-ethanocyclopenta[1,2-b]indenyl)pyrrole-2-carboxylate

CAS 015662-33-6
Index 613-061-00-9
Class'n Xn: R21/22 N: R50, 53
Label Xn, N
R21/22, 50/53
S(2), 36/37, 60, 61
239-732-2

sabadilla (ISO)

veratrine
CAS 008051-02-3
Index 613-062-00-4
Class'n Xi: R36/37/38
Label Xi
R36/37/38
S(2), 36/37/39

n safrole Note E

5-allyl-1,3-benzodioxole
CAS 000094-59-7
Index 605-020-00-9
Class'n Carc Cat 2: R45 Muta Cat 3: R68 Xn: R22
Label T
R45, 22, 68
S53, 45
202-345-4

schradan (ISO)

octamethylpyrophosphoramidate
CAS 000152-16-9
Index 015-026-00-8
Class'n T+: R27/28
Label T+
R27/28
S(1/2), 36/37, 38, 45
205-801-0

scilliroside

bufa-4,20,22-trienolide,6-(acetyloxy)-3-(β -D-glucopyranosyloxy)-8,14-dihydroxy-, (3 β 6 β)-red squill
CAS 000507-60-8
Index 614-027-00-6
Class'n T+: R28
Label T+
R28
S(1/2), 36/37, 45
208-077-4

secbumeton (ISO)

2-sec-butylamino-4-ethylamino-6-methoxy-1,3,5-triazine
CAS 026259-45-0
Index 613-063-00-X
Class'n Xn: R22 Xi: R36 N: R50, 53
Label Xn, N
R22, 36, 50/53
S(2), 60, 61
247-554-1

n selenium

CAS 007782-49-2
Index 034-001-00-2
Class'n T: R23/25 R33 R53
Label T
R23/25, 33, 53
S(1/2), 20/21, 28, 45, 61
231-957-4

selenium compounds except cadmium sulphoselenide Note A

Index 034-002-00-8
Class'n T: R23/25 R33 N: R50, 53
label T, N
R23/25, 33, 50/53
S(1/2), 20/21, 28, 45, 60, 61

sesamex

5-(3,6,9-trioxa-2-undecyloxy)benzo(d)-1,3-dioxolane
 CAS 000051-14-9
 Index 613-064-00-5
 Class'n Xn:R22
 Label Xn
 R22
 S(2)

silicon tetrachloride

CAS 010026-04-7
 Index 014-002-00-4
 Class'n R14 Xi: R36/37/38
 Label Xi
 R14, 36/37/38
 S(2), 7/8, 26
 233-054-0

silver nitrate

CAS 007761-88-8
 Index 047-001-00-2
 Class'n C: R34 N: R50, 53
 Label C, N
 R34, 50/53
 S(1/2), 26, 45, 60, 61
 231-853-9

■ simazine (ISO)

6-chloro-N,N'-diethyl-1,3,5-triazine-2,4-diamine
 CAS 000122-34-9
 Index 612-088-00-3
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R40, 50/53
 S(2), 36/37, 46, 60, 61
 204-535-2

simetryn (ISO)

2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine
 CAS 001014-70-6
 Index 613-065-00-0
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 213-801-7

sodium

CAS 007440-23-5
 Index 011-001-00-0
 Class'n F: R14/15 C: R34
 Label F, C
 R14/15, 34
 S(1/2), 5*, 8, 43, 45
 231-132-9
 55 is not required when other safe packaging used

● sodium 3-(2-acetamido-4-(4-(2-hydroxybutoxy)phenylazo)phenylazo)benzenesulfonate

CAS 147703-65-9
 Index 611-080-00-7
 Class'n R43
 Label Xi
 R43
 S(2), 22, 24, 37
 410-150-2

● sodium 3-acetoacetyl-amino-4-methoxytolyl-6-sulfonate

CAS 133167-77-8
 Index 607-360-00-3
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 411-680-7

sodium 1-amino-4-[2-methyl-5-(4-methylphenylsulfonylamino)phenylamino]anthraquinone-2-sulfonate

CAS 084057-97-6
 Index 016-065-00-3
 Class'n N: R51, 53
 Label N
 R51/53
 S61
 400-100-8

mixture of

sodium 7-(((3-aminophenyl)sulfonyl)amino)-naphthalene-1,3-disulfonate

and

7-(((3-aminophenyl)sulfonyl)amino)-naphthalene-1,3-disulfonic acid

and

potassium 7-(((3-aminophenyl)sulfonyl)amino)-naphthalene-1,3-disulfonate

Index 607-285-00-6 (see Part III)
 Class'n R43
 Label Xi
 R43
 S(2), 22, 24, 37
 410-065-0

● sodium 2-anilino-5-(2-nitro-4-(N-phenylsulfonyl)anilinobenzenesulfonate

CAS 031361-99-6
 Index 016-080-00-5
 Class'n Xi: R41 R52, 53
 Label Xi
 R41, 52/53
 S(2), 26, 39, 61
 412-320-1

sodium (1-(5-(4-(4-anilino-3-sulphophenylazo)-2-methyl-5-methylsulphonamidophenylazo)-4-hydroxy-2-oxido-3-(phenylazo)phenylazo)-5-nitro-4-sulfonato-2-naphtholato)iron(II)

Index 611-009-00-X
 Class'n Xn: R20 R52, 53
 Label Xn
 R20, 52/53
 S(2), 61
 401-220-3

sodium azide

CAS 026628-22-8
 Index 011-004-00-7
 Class'n T+: R28 R32 N: R50, 53
 Label T+, N
 R28, 32, 50/53
 S(1/2), 28, 45, 60, 61
 247-852-1

sodium 3-(2H-benzotriazol-2-yl)-5-sec-butyl-4-hydroxybenzenesulfonate

CAS 092484-48-5
 Index 613-095-00-4
 Class'n Xi: R41
 Label Xi
 R41
 S(2),26,39
 403-080-9

sodium benzoyloxybenzene-4-sulfonate

CAS 066531-87-1
 Index 607-275-00-1
 Class'n R43
 Label Xi
 R43
 S(2),24,37
 405-450-5

sodium 2-benzoyloxy-1-hydroxyethane-sulfonate

Index 607-294-00-5
 Class'n R43
 Label Xi
 R43
 S(2),24,37
 410-680-4

sodium bifluoride

sodium hydrogen difluoride

CAS 001333-83-1
 Index 009-007-00-3
 Class'n T: R25 C: R34
 Label T, C
 R25,34
 S(1/2),22,26,37,45
 215-608-3
 Conc Conc >= 10% T: C: R25,34
 Conc >= 1% and < 10% C: R22,34
 Conc >= 0.1% and < 1% Xi: R36/38

■ sodium 2-biphenylate

2-phenylphenol, sodium salt

CAS 000132-27-4
 Index 604-021-00-1
 Class'n Xn: R22 Xi: R37/38,41 N: R50
 Label Xn, N
 R22,37,38,41,50
 S(2),22,26,61
 205-055-6

sodium 3,5-bis(3-(2,4-di-tert-pentylphenoxy)propyl carbamoyl) benzenesulfonate

Index 007-023-00-5
 Class'n Xi: R38 R43
 Label Xi
 R38,43
 S(2),24,37
 405-510-0

sodium 3,5-bis(tetradecyloxy-carbonyl) benzenesulfinate

CAS 155160-86-4
 Index 016-068-00-X
 Class'n R43 N: R51, 53
 Label Xi, N
 R43,51/53
 S(2),24,37,61
 407-720-8

sodium bisulphite ... % Note B

sodiumhydrogensulphite...%

CAS 007631-90-5
 Index 016-064-00-8
 Class'n Xn: R22 R31
 Label Xn
 R22,31
 S(2),25,46
 231-548-0

sodium 5-n-butylbenzotriazole

CAS 118685-34-0
 Index 613-103-00-6
 Class'n Xn: R22 C: R34 R43 N: R51,53
 Label C, N
 R22,34,43,51/53
 S(1/2),26,36/37/39,45,61
 404-450-2

• mixture of

sodium 2-(C12-18-n-alkyl) amino-1,4-butandioate

and

sodium 2-octadecenyl-amino-1,4-butandioate

Index 607-329-00-4 (see Part III)
 Class'n R43
 Label Xi
 R43
 S(2),24,26,37,39
 411-250-9

sodium carbonate

CAS 000497-19-8
 Index 011-005-00-2
 Class'n Xi: R36
 Label Xi
 R36
 S(2),22,26
 207-838-8

sodium chlorate

CAS 007775-09-9
 Index 017-005-00-9
 Class'n O: R9 Xn: R22
 Label O, Xn
 R9,22
 S(2),13,17,46
 231-887-4

sodium chloroacetate

sodium salt of chloroacetic acid

CAS 003926-62-3
 Index 607-158-00-5
 Class'n T: R25 Xi: R38 N: R50
 Label T, N
 R25,38,50
 S(1/2),22,37,45,61
 223-498-3

sodium 3-chloroacrylate

CAS 004312-97-4
 Index 607-167-00-4
 Class'n Xn: R21/22
 Label Xn
 R21/22
 S(2), 36/37

sodium 4-chloro-1-hydroxybutane-1-sulfonate

CAS 054322-20-2
 Index 607-280-00-9
 Class'n Xn: R22 Xi: R36 R43
 Label Xn
 R22, 36, 43
 S(2), 22, 26, 36/37
 406-1 90-5

sodium 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate

CAS 062476-59-9
 Index 604-041-00-0 (see Part III)
 Class'n Xn: R22 Xi: R38, 41 N: R50, 53
 Label Xn, N
 R22, 38, 41, 50/53
 S(2), 24, 39, 60, 61
 263-560-7

● **sodium chromate** Note E

CAS 007775-11-3
 Index 024-018-00-3
 Class'n Carc Cat 2: R49 Muta Cat 2: R46 T+: R26 T: R25 Xn: R21 Xi: R37/38, 41 R43 N: R50, 53
 Label T+, N
 R49, 46, 21, 25, 26, 37/38, 41, 43, 50/53
 S53, 45, 60, 61
 231-889-5
 Conc Note3
 Conc >= 7% T+: R49, 46, 21, 25, 26, 37/38, 41, 43
 Conc >= 0.5% and < 7% T: R49, 46, 43
 Conc >= 0.1% and < 0.5% T: R49, 46

sodium cyanate

CAS 000917-61-3
 Index 011-006-00-8
 Class'n Xn: R22 R52, 53
 Label Xn
 R22, 52/53
 S(2), 24/25, 61
 213-030-6

sodium dehydracetate

sodium 1-(3,4-dihydro-6-methyl-2,4-dioxo-2H-pyran-3-ylidene)ethonolate
 CAS 004418-26-2
 Index 607-164-00-8
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 224-580-1

● **mixture of**

sodium 5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalate

and

ammonium 5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalate

and

5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalic acid

Index 61 1-060-00-8 (see Part III)

Class'n Xi: R41 R43 R52, 53

Label Xi
 R41, 43, 52/53
 S(2), 22, 24, 26, 37/39, 61
 413-1 80-4

sodium 3,6-dichloro-o-anisate

CAS 001982-69-0
 Index 607-243-00-7 (see Part III)
 Class'n R52, 53
 Label R52/53
 S61
 217-846-3

sodium 3,5-dichloro-2-(5-cyano-2,6-bis(3-hydroxypropylamino)-4-methylpyridin-3ylazo)benzenesulfonate

Index 01 6-048-00-0
 Class'n Xi: R41 R52, 53
 Label Xi
 R41, 52/53
 S(2), 26, 61
 401-870-8

sodium dichromate Note E

CAS 010588-01-9
 Index 024-004-00-7
 Class'n O: R8 Carc Cat 2: R49 Muta Cat 2: R46 T+: R26 T: R25 Xn: R21 Xi: R37/38, 41 R43 N: R50, 53
 Label 0, T+, N
 R49, 46, 8, 21, 25, 26, 37/38, 41, 43, 50/53
 S53, 45, 60, 61
 234-190-3
 Conc Note3
 Conc >= 7% T+: R49, 46, 21, 25, 26, 37/38, 41, 43
 Conc >= 0.5% and < 7% T: R49, 46, 43
 Conc >= 0.1% and < 0.5% T: R49, 46

sodium dichromate, dihydrate. Note E

CAS	007789-12-0
Index	024-004-01-4
Class'n	Carc Cat 2: R49 Muta Cat 2: R46 T+: R26 T: R25 Xn: R21 Xi: R37/38,41 R43 N: R50,53
Label	T+,N R49,46,21,25,26,37/38,41,43,50/53 S53,45, 60,61 234-190-3
Conc	Note3 Cone >= 7% T+: R49,46,21,25,26,37/38,41,43 Conc >= 0.5% and < 7% T: R49,46,43 Conc >= 0.1% and < 0.5% T: R49,46

sodium 1-(3,4-dihydro-6-methyl-2,4-dioxo-2H-pyran-3-

ylidene)ethonolate sodium dehydracetate	
CAS	004418-26-2
Index	607-164-00-8
Class'n	Xn:R22
Label	Xn R2 2 S(2) 224-580-1

sodium 4-dimethylaminobenzenediazosulphonate
fenaminosulf (0,30)

CAS	000140-56-7
Index	611-003-00-7
Class'n	T: R25 Xn: R21 R52, 53
Label	T R21,25-52/53 S(1/2), 36/37,45,61 205-419-4

sodium 4,6-dinitro-o-cresolate

DNOC, sodium salt of DNOC, potassium salt of potassium 4,6-dinitro-o-cresolate	
CAS	002312-76-7
Index	609-021-00-5
Class'n	T: R23/24/25 R33 N: R50,53
Label	T,N R23/24/25,33,50/53 S(1/2), 13,45,60, 61 21 9-007-7

sodium dithionite

sodium hydrosulphite	
CAS	007775-14-6
Index	01 6-028-00-1
Class'n	R7 R31 Xn: R22
Label	Xn R7, 22, 31 S(2), 718, 26, 28,43 231-890-0

sodium ethanolate

potassium ethanolate potassium ethoxide sodium ethoxide	
CAS	000141-52-6
Index	603-041-00-8
Class'n	F: R11 C: R34 RI4
Label	F,C R11,14,34 S(1/2), 8,16,26,43,45 205-487-5

sodium ethoxide

potassium ethanolate sodium ethanolate potassium ethoxide	
CAS	000141-52-6
Index	603-041-00-8
Class'n	F: R11 C: R34 RI4
Label	F,C R11,14,34 S(1/2),8, 16,26,43,45 205-487-5

sodium 2-ethylhexanolate

CAS	038411-13-1
Index	603-122-00-8
Class'n	F: R11 C: R34 R52, 53
Label	F,C R11,34,52/53 S(1/2), 7,26,36/37/39,45,61 406-1 50-7

sodium fluoride

CAS	007681-49-4
Index	009-004-00-7
Class'n	1: R25 Xi: R36/38 R32
Label	T R25,32,36/38 S(1/2), 22,36,45 231-667-8

sodium fluoroacetate

CAS	000062-74-8
Index	607-1 69-00-5
Class'n	T+: R26/27/28 N: R50
Label	T+, N R26/27/28,50 S(1/2), 13,22,36/37,45,61 200-548-2

sodium 2-(4-(4-fluoro-6-(2-sulfoethylamino)-[1,3,5]
triazin-2-ylamino)-2-ureidophenylazo)-5-(4-
sulfophenylazo)benzene-1-sulfonate

CAS	1461 77-84-6
Index	61 1-093-00-8
Class'n	R43
Label	Xi R43 S(2), 22,24,37 41 0-770-3

sodium hydride

CAS 007646-69-7
 Index 001-003-00-X
 Class'n F: R15
 Label F
 R15
 S(2), 7/8,24/25,43
 231-587-3

sodium hydrogen difluoride

sodium bifluoride
 CAS 001333-83-1
 Index 009-007-00-3
 Class'n T: R25 C: R34
 Label T, C
 R25,34
 S(1/2), 22,26,37,45
 215-608-3
 Conc Conc >= 10% T: C: R25,34
 Conc >= 1% and < 10% C: R22,34
 Conc >= 0.1% and < 1% Xi: R36/38

sodium hydrogensulphate

CAS 007681-38-1
 Index 016-046-00-X
 Class'n Xi: R41
 Label Xi
 R41
 S(2), 24,26
 231-665-7

sodium hydrogensulphite ... % Note B

sodium bisulphite ... %
 CAS 007631-90-5
 Index 016-064-00-8
 Class'n Xn: R22 R31
 Label Xn
 R22,31
 S(2), 25,46
 231-548-0

sodium hydrosulphite

sodium dithionite
 CAS 007775-14-6
 Index 016-028-00-1
 Class'n R7 R31 Xn: R22
 Label Xn
 R7,22,31
 S(2),7/8,26,28,43
 231-890-0

sodium hydroxide

CAS 001310-73-2
 Index 011-002-00-6
 Class'n C: R35
 Label C
 R35
 S(1/2), 26,37/39,45
 215-185-5
 Conc Conc >= 5% C: R35
 Conc >= 2% and < 5% C: R34
 Conc >= 0.5% and < 2% Xi: R36/38

mixture of

sodium 7-[[[3-[4-((2-hydroxy-naphthyl)azo)phenyl]azo]phenyl]sulfonyl]amino]-naphthalene-1,3-disulfonate

and

potassium 7-[[[3-[4-((2-hydroxy-naphthyl)azo)phenyl]azo]phenyl]sulfonyl]amino]-naphthalene-1,3-disulfonate

CAS 141880-36-6
 Index 607-286-00-1 (see Part 111)
 Class'n R43 R52, 53
 Label Xi
 R43,52/53
 S(2), 22,24, 37, 61
 410-070-8

sodium hypochlorite, solution ... % C1 active Note 8

CAS 007681-52-9
 Index 017-011-00-1
 Class'n C: R34 R31
 Label C
 R31,34
 S(1/2), 28,45,50
 231-668-3
 Conc Conc >= 10% (*) C: R31,34
 Conc >= 5% and < 10% (*) Xi: R31,36/38
 (*) % Cl active

sodium O-isopropylidithiocarbonate

prom-sodium (ISO)
 CAS 000140-93-2
 Index 006-024-00-8
 Class'n Xn: R22 Xi: R38 N: R51,53
 Label Xn, N
 R22,38,51/53
 S(2), 13, 61
 205-443-5

- sodium (1.0-1.95)/lithium (0.05-1) 5-((5-((5-chloro-6-fluoro-pyrimidin-4-yl)amino)-2-sulfonatophenyl)azo)-1,2-dihydro-6-hydroxy-1,4-dimethyl-2-oxo-3-pyridinemethylsulfonate

CAS 134595-59-8
 Index 611-091-00-7
 Class'n R43
 Label Xi
 R43
 S(2), 22,24/25,37
 413-470-0

- sodium metabisulphite

CAS 007681-57-4
 Index 016-063-00-2
 Class'n Xn: R22 Xi: R41 R31
 Label Xn
 R22,31,41
 S(2), 26,39,46
 231-673-0

sodium methanolate

potassium methanolate
lithium methanolate
sodium methoxide
potassium methoxide
lithium methoxide
CAS 000124-41-4
Index 603-040-00-2
Class'n F: R11 C: R34 R14
Label F, C
R11, 14, 34
S(1/2), 8, 16, 26, 43, 45
204-699-5

sodium methoxide

sodium methanolate
potassium methanolate
lithium methanolate
potassium methoxide
lithium methoxide
CAS 000124-41-4
Index 603-040-00-2
Class'n F: R11 C: R34 R14
Label F, C
R11, 14, 34
S(1/2), 8, 16, 26, 43, 45
204-699-5

sodium methylthiocarbamate

metam-sodium(ISO)
CAS 000137-42-8
Index 006-013-00-8
Class'n Xn: R22 R31 C: R34 R43 N: R50,53
Label C, N
R22, 31, 34, 43, 50/53
S(1/2), 26, 36/37/39, 45, 60, 61
205-293-0

sodium N-naphth-1-ylphthalamate

naptalam-sodium
CAS 000132-67-2
Index 607-248-00-4
Class'n Xn: R22
Label Xn
R22
S(2)
205-073-4

sodium nitrite

CAS 007632-00-0
Index 007-010-00-4
Class'n O: R8 T: R25 N: R50
Label O, T, N
R8, 25, 50
S(1/2), 45, 61
231-555-9
Conc Conc >= 5% T: R25
Conc >= 1% and c 5% Xn: R22

sodium 3-nitrobenzenesulphonate

CAS 000127-68-4
Index 609-048-00-2
Class'n Xi: R36 R43
Label Xi
R36, 43
S(2), 24, 26, 37
204-857-3

• mixture of

sodium 2-octadecenyl-amino-1,4-butandioate
and
sodium 2-(C12-18-n-alkyl)amino-1,4-butandioate
Index 607-329-00-4 (see Part III)
Class'n R43
Label Xi
R43
S(2), 24, 26, 37/39
411-250-9

sodium pentachlorophenate

sodium pentachlorophenolate
potassium pentachlorophenolate
potassium pentachlorophenate
CAS 000131-52-2
Index 604-003-00-3
Class'n Carc Cat 3: R40 T+: R26 T: R24/25 Xi:
R36/37/38 N: R50, 53
Label T+, N
R24/25, 26, 36/37/38, 40, 50/53
S(1/2), 22, 28, 36/37, 45, 52, 60, 61
205-025-2

sodium pentachlorophenolate

sodium pentachlorophenate
potassium pentachlorophenolate
potassium pentachlorophenate
CAS 000131-52-2
Index 604-003-00-3
Class'n Carc Cat 3: R40 T+: R26 T: R24/25 Xi:
R36/37/38 N: R50, 53
Label T+, N
R24/25, 26, 36/37/38, 40, 50/53
S(1/2), 22, 28, 36/37, 45, 52, 60, 61
205-025-2

sodium perchlorate

CAS 007601-89-0
Index 017-010-00-6
Class'n O: R9 Xn: R22
Label O, Xn
R9, 22
S(2), 13, 22, 27
231-511-9

sodium peroxide

CAS 001313-60-6
Index 011-003-00-1
Class'n O: R8 C: R35
Label O, C
R8, 35
S(1/2), 8, 27, 39, 45
215-209-4

sodium phenethylnaphthalenesulphonate and sodium naphthylethylbenzenesulphonate, mixture of isomers of

Index 607-278-00-8
Class'n Xi: R41 R43 R52, 53
Label Xi
R41, 43, 52/53
S(2), 24, 26, 37/39, 61
406-760-0

mixture of

sodium 3,3'-(1,4-phenylenebis(carbnylimino-3,1-propanediylimino))bis(10-amino-6,13-dichloro-4,11-triphenodioxazinedisulfonate { 9 parts of }

and

lithium 3,3'-(1,4-phenylenebis(carbnylimino-3,1-propanediylimino))bis(10-amino-6,13-dichloro-4,11-triphenodioxazinedisulfonate { 1 part of }

CAS 136213-76-8

Index 607-284-00-0 (see Part III)

Class'n N: R51, 53

Label N
R51/153
S61
41 0-040-4

- sodium[29H,31H-phthalocyanhato-(2-)-N29,N30,N31,N32]-((3-(N-methyl-N-(2-hydroxyethyl)amino)propyl)amino)sulfonyl-sulfonato, copper complex

CAS 150522-10-4

Index 029-01 1-00-9

Class'n C: R34

Label C
R34
S(1/2), 22,26,36/37/39,45
412-730-0

sodium polysulphides

CAS 001344-08-7

Index 01 6-010-00-3

Class'n T: R25 R31 C: R34 N: R50

Label T,N
R25,31,34,50
S(1/2), 26,36/37/39,45,61
215-686-9

- mixture of

sodium/potassium(3-(4-(5-(5-chloro-4,6-difluoropyrimidin-2-ylamino)-2-methoxy-3-sulfonatophenylazo)-2-oxidophenylazo)-2,5,7-trisulfonato-4-naphtholato)copper(II)

and

sodium/potassium (3-(4-(5-(5-chloro-2,6-difluoropyrimidin-4-ylamino)-2-methoxy-3-sulfonatophenylazo)-2-oxidophenylazo)-2,5,7-trisulfonato-4-naphthoaphtholato) copper (II)

Index 611-074-00-4 (see Part III)

Class'n R43

Label Xi
R43
S(2),22,24,37
407-100-7

- mixture of

sodidpotassium (3-(4-(5-(5-chloro-2,6-difluoropyrimidin-4-ylamino)-2-methoxy-3-sulfophenylazo)-2-oxidophenylazo)-2,5,7-trisulfonato-4-naphtholato)copper(II)

and

sodid/potassium (3-(4-(5-(5-chloro-4,6-difluoropyrimidin-2-ylamino)-2-methoxy-3-sulfonatophenylazo)-2-oxidophenylazo)-2,5,7-trisulfonato-4-naphtholato)copper(II)

Index 611-074-00-4 (see Part III)

Class'n R43

Label Xi
R43
S(2), 22,24,37
407-100-7

mixture of

sodium propionate

and

2-(hexylthio)ethylamine hydrochloride

Index 607-277-00-2 (see Part III)

Class'n Xn: R22 Xi: R41 R43 N: R51,53

Label Xn,N
R22,41,43,51/53
S(2), 24,26,37/39,61
405-720-2

- sodium (R)-2-(2,4-dichlorophenoxy) propionate

CAS 119299-10-4

Index 607-347-00-2

Class'n Xn: R22 Xi: R38,41 R43

Label Xn
R22,38,41,43
S(2), 22,26,36/37/39
413-340-3

sodium salt of chloroacetic acid

sodium chloroacetate

CAS 003926-62-3

Index 607-158-00-5

Class'n T: R25 Xi: R38 N: R50

Label T,N
R25,38,50
S(1/2), 22,37,45,61
223-498-3

sodium sulphide

disodium sulphide

CAS 001313-82-2

Index 01 6-009-00-8

Class'n R31 C: R34 N: R50

Label C,N
R31,34,50
S(1/2), 26,45,61
215-211-5

sodium trichloroacetate

TCA-sodium(ISO)

CAS 000650-51-1

Index 607-005-00-2

Class'n Xi: R37 N: R50,53

Label Xi, N
R37,50/53
S(2), 46, 60, 61
211-479-2

sodium 4-(2,4,4-trimethylpentylcarbonyloxy) benzenesulphonate
 Index 016-054-00-3
 Class'n T: R23,48/23 Xn: R22 Xi: R36/37 R43
 Label T
 R22, 23, 36/37, 43, 48/23
 S(1/2), 22, 24, 36, 45
 400-030-8

solvent aromatic naphthas

See

petroleum substances
 low boiling point naphtha - unspecified

1 064742-95-6

petroleum substances

kerosine - unspecified

2 064742-94-5

solvent distillates

See

petroleum substances
 gasoil - unspecified

1 064741-91-9

2 064742-13-8

3 064742-46-7

4 064742-80-9

solvent kerosines

See

petroleum substances
 kerosine - unspecified

1 064742-47-8

2 064742-81-0

special boiling point solvents

See

petroleum substances
 low boiling point modified naphtha

1 064741-84-0

petroleum substances
 low boiling point hydrogen treated naphtha

2 064742-48-9

3 064742-49-0

4 064742-82-1

petroleum substances
 low boiling point naphtha

5 064742-89-8

Special Purpose Fibres, with the exception of those specified elsewhere in the Approved Supply List
 Notes A and R

Refractory Ceramic Fibres, with the exception of those specified elsewhere in the Approved Supply List

Index 650-017-00-8 (see Part II)

Class'n Carc Cat 2: R49 Xi: R38

Label T
 R49, 38
 S53, 45

2,2'-spirobi(6-hydroxy-4,4,7-trimethylchromane)

Index 604-026-00-9

Class'n N: R51, 53

Label N
 R51/53
 S61
 400-270-3

spiroxamine

CAS 118134-30-8

Index 612-150-00-X

Class'n Xn: R20/21/22 Xi: R38 R43 N: R50, 53

Label Xn, N
 R20/21/22, 38, 43, 50/53
 S(2), 36/37/39, 46, 60, 61

stannic chloride

tin tetrachloride

CAS 007646-78-8

Index 050-001-00-5

Class'n C: R34 R52, 53

Label C
 R34, 52/53
 S(1/2), 7/8, 26, 45, 61
 231-588-9

Conc Conc >= 10% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

stoddard solvent

See

petroleum substances
 low boiling point modified naphtha

1 064741-92-0

petroleum substances

low boiling point hydrogen treated naphtha

2 064742-82-1

petroleum substances

straight run kerosine

3 064742-88-7

petroleum substances

low boiling point naphtha - unspecified

4 008052-41-3

strontium chromate Note E

CAS 007789-06-2

Index 024-009-00-4

Class'n Carc Cat 2: R45 Xn: R22 N: R50, 53

Label T, N
 R45, 22, 50/53
 S53, 45, 60, 61
 232-142-6

strophantin-K

CAS 011005-63-3
 Index 614-026-00-0
 Class'n T: R23/25 R33
 Label T
 R23/25, 33
 S(1/2), 45
 234-239-9

strychnidin-10-one, 2,3-dimethoxy-, compd. with (S)mono
(1-methylheptyl)- 1,2-benzenedicarboxylate (1:1)

brucinesulphate
 brucinenitrate
 strychnidin-10-one, 2,3-dimethoxy-, mono[(R)-1-methylheptyl 1,
 2-benzenedicarboxylate]
 CAS 068310-42-9
 Index 614-007-00-7
 Class'n T+: R26/28 R52, 53
 Label T+
 R26/28, 52/53
 S(1/2), 13, 45, 61
 269-710-8

strychnidin-10-one, 2,3-dimethoxy-, mono[(R)-1-
methylheptyl 1,2-benzenedicarboxylate]

brucine sulphate
 brucinenitrate
 strychnidin-10-one, 2,3-dimethoxy-, compd. with (S)mono(1-
 methylheptyl)1,2-benzenedicarboxylate (1:1)
 CAS 068239-26-9
 Index 614-007-00-7
 Class'n T+: R26/28 R52, 53
 Label T+
 R26/28, 52/53
 S(1/2), 13, 45, 61
 269-439-5

strychnine

CAS 000057-24-9
 Index 614-003-00-5
 Class'n T+: R27/28 N: R50, 53
 Label T+,N
 R27/28, 50/53
 S(1/2), 36/37, 45, 60, 61
 200-319-7

strychnine, salts of Note A

Index 614-004-00-0
 Class'n T+: R26/28 N: R50, 53
 Label T+,N
 R26/28, 50/53
 S(1/2), 13, 28 45, 60, 61

styphnic acid

2,4,6-trinitroresorcinol
 CAS 000082-71-3
 Index 609-018-00-9
 Class'n E: R2 R4 Xn: R20/21/22
 Label E, Xn
 R2, 4, 20/21/22
 S(2), 35
 201-436-6

styrene Note D

CAS 000100-42-5
 Index 601-026-00-0
 Class'n R10 Xn: R20 Xi: R36/38
 Label Xn
 R10, 20, 36/38
 S(2), 23
 202-851 -5
 Conc Conc >= 12.5% Xn: R20, 36/38

styrene oxide Note E

(epoxyethyl)benzene
 phenyloxirane
 CAS 000096-09-3
 Index 603-084-00-2
 Class'n Carc Cat2: R45 Xn: R21 Xi: R36
 Label T
 R45, 21, 36
 S53, 45
 202-476-7

styrene-4-sulfonyl chloride

CAS 002633-67-2
 Index 016-057-00-X
 Class'n Xi: R38, 41 R43
 Label Xi
 R38 41, 43
 S(2), 24, 26, 37/39
 404-770-2

substituted dodecyl and/or tetradecyl, diphenyl ethers,
 mixture of. The substance is produced by the Friedel
 Crafts reaction. The catalyst is removed from the
 reaction product. Diphenyl ether is substituted by C1-
 C10 alkyl groups. The alkyl groups are bonded
 randomly between C1 and C6. Linear C12 and C14,
 50/50 used

Index 603-134-00-3
 Class'n R53
 Label R53
 561
 410-450-3

Subtilisin

CAS 009014-01-1
 Index 647-012-00-8
 Class'n Xi: R37/38, 41 R42
 Label Xn
 R37/38, 41, 42
 S(2), 22, 24, 26, 36/37/39
 232-752-2

succinic anhydride

CAS 000108-30-5
 Index 607-103-00-5
 Class'n Xi: R36/37
 Label Xi
 R36/37
 S(2), 25
 203-570-0
 Conc Conc >= 1% Xi: R36/37

sulfallate (ISO) Note E

2-chloroallyl N,N-dimethyldithiocarbamate
 CAS 000095-06-7
 Index 006-038-00-4
 Class'n Carc Cat2: R45 Xn: R22 N: R50, 53
 Label T, N
 R45, 22, 50/53
 S53, 45, 60, 61
 202-388-9

sulfamic acid

sulphamic acid
 sulphamic acid
 CAS 005329-14-6
 Index 016-026-00-0
 Class'n Xi: R36/38 R52, 53
 Label Xi
 R36/38, 52/53
 S(2), 26, 28, 61
 226-218-8

sulfotep (ISO)

O,O,O-tetraethyl dithiopyrophosphate
 CAS 003689-24-5
 Index 015-027-00-3
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 23, 28, 36/37, 45
 222-995-2

sulfur monochloride

disulphur dichloride
 CAS 010025-67-9
 Index 016-012-00-4
 Class'n R14 TR25 Xn: R20 R29 C: R35 N: R50
 Label T, C, N
 R14, 20, 25, 29, 35, 50
 S(1/2), 26, 36/37/39, 45, 61
 233-036-2
 Conc Conc >= 25% T: C: R20, 25, 35
 Conc >= 10% and < 25% C: R22, 35
 Conc >= 5% and < 10% C: R22, 34
 Conc >= 3% and < 5% Xn: R22, 36/37/38
 Conc >= 1% and < 3% Xi: R36/37/38

sulphamic acid

sulphamic acid
 sulphamic acid
 CAS 005329-14-6
 Index 016-026-00-0
 Class'n Xi: R36/38 R52, 53
 Label Xi
 R36/38, 52/53
 S(2), 26, 28, 61
 226-218-8

sulphamic acid

sulphamic acid
 sulphamic acid
 CAS 005329-14-6
 Index 016-026-00-0
 Class'n Xi: R36/38 R52, 53
 Label Xi
 R36/38, 52/53
 S(2), 26, 28, 61
 226-218-8

sulphanilic acid

4-aminobenzenesulphonic acid
 CAS 000121-57-3
 Index 612-014-00-X
 Class'n Xi: R36/38 R43
 Label Xi
 R36/38, 43
 S(2), 24, 37
 204-482-5

sulpholane

tetrahydrothiophene-1,1-dioxide
 CAS 000126-33-0
 Index 016-031-00-8
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 25
 204-783-1
 Conc Conc >= 25% Xn: R22

sulphur dichloride

CAS 010545-99-0
 Index 016-013-00-X
 Class'n R14 C: R34 N: R50
 Label C, N
 R14, 34, 50
 S(1/2), 26, 36/37/39, 45, 61
 234-129-0
 Conc Conc >= 10% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

sulphur dioxide

CAS 007446-09-5
 Index 016-011-00-9
 Class'n T: R23 C: R34
 Label T
 R23, 34
 S(1/2), 9, 26, 36/37/39, 45
 231-195-2
 Conc Note5
 Conc >= 20% T: R23, 34
 Conc >= 5% and < 20% C: R20, 34
 Conc >= 0.5% and < 5% Xi: 36/37/38

sulphuric acid ... % Note B

CAS 007664-93-9
 Index 016-020-00-8
 Class'n C: R35
 Label C
 R35
 S(1/2), 26, 30, 45
 231-639-5
 Conc Conc >= 15% C: R35
 Conc >= 5% and < 15% Xi: R36/38

sulphur tetrachloride

CAS 013451-08-6
 Index 016-014-00-5
 Class'n R14 C: R34 N: R50
 Label C, N
 R14, 34, 50
 S(1/2), 26, 36/37/39, 45, 61
 Conc Conc >= 10% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

sulphuryl chloride

CAS 007791-25-5
 Index 016-016-00-6
 Class'n R14 C: R34 Xi: R37
 Label C
 R14,34,37
 S(1/2), 26,45
 232-245-6

sulphuryl difluoride

CAS 002699-79-8
 Index 009-015-00-7
 Class'n T: R23/25 Xi: R36/37/38
 Label T
 R23/25,36/37/38
 S(1/2), 23,37/39,45
 220-281-5

SWEP

methyl 3,4-dichlorophenylcabanilate
 CAS 001918-18-9
 Index 006-062-00-5
 Class'n Xn: R22
 Label Xn
 R22
 S(2)

symclosene

trichloroisocyanuric acid
 trichloro-1,3,5-triazahettrion
 CAS 000087-90-1
 Index 613-031-00-5
 Class'n O: R8 Xn: R22 R31 Xi: R36/37 N: R50,53
 Label O, Xn, N
 R8,22,31,36/37,50/53
 S(2), 8,26,41,60,61
 201-782-8

2,4,5-T

2,4,5-trichlorophenoxy acetic acid
 CAS 000093-76-5
 Index 607-041-00-9
 Class'n Xn: R22 Xi: R36/37/38 N: R50,53
 Label Xn, N
 R22,36/37/38,50/53
 S(2), 24,60,61
 202-273-3

2,4,5-T, salts and esters of Note A

2,4,5-trichlorophenoxy acetic acid, salts and esters of
 Index 607-042-00-4
 Class'n Xn: R22 Xi: R36/37/38 N: R50,53
 Label Xn, N
 R22,36/37/38,50/53
 S(2), 24, 60, 61

tau-fluvalinate

cyano-(3-phenoxyphenyl)methylN-[2-chloro-4-(trifluoromethyl)phenyl]-D-valinate
 CAS 102851-06-9
 Index 607-238-00-X
 Class'n Xn: R22 Xi: R38 N: R50, 53
 Label Xn, N
 R22,38,50/53
 S(2), 24,59,61

2,3,6-TBA (ISO)

2,3,6-trichlorobenzoic acid
 CAS 000050-31-7
 Index 607-152-00-2
 Class'n Xn: R22 N: R51, 53
 Label Xn, N
 R22,51/53
 S(2), 61
 200-026-4

TCA-sodium (ISO)

sodium trichloroacetate
 CAS 000650-51-1
 Index 607-005-00-2
 Class'n Xi: R37 N: R50, 53
 Label Xi, N
 R37,50/53
 S(2), 46,60,61
 211-479-2

TCMTB

(benzothiazol-2-ylthio)methylthiocyanate
 CAS 021564-17-0
 Index 613-119-00-3
 Class'n T+: R26 Xn: R22 Xi: R36/38 R43 N: R50,53
 Label T+, N
 R22,26,36/38,43,50/53
 S(1/2), 28,36/37,38,45,60,61
 244-445-0

tebuthiuron (ISO)

1-(5-tert-butyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
 CAS 034014-18-1
 Index 61 6-020-00-3
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22,50/53
 S(2), 37,60,61
 251-793-7

tecnazene (ISO)

1,2,4,5-tetrachloro-3-nitrobenzene
 CAS 000117-18-0
 Index 609-044-00-0
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22,43,50/53
 S(2), 24, 37,60, 61
 204-178-2

TEPP (ISO)

tetraethyl pyrophosphate
 CAS 000107-49-3
 Index 015-025-00-2
 Class'n T+: R27/28 N: R50
 Label T+, N
 R27/28,50
 S(1/2), 36/37/39,38,45, 61
 203-495-3

mixture of

teradecyl 3-(2,2,4,4-tetramethyl-21-oxo-7-oxa-3,20-diazadispiro(5, 1, 1, 1,2)hencosan-20-yl)propionate and

dodecyl 3-(2,2,4,4-tetramethyl-21-oxo-7-oxa-3,20-diazadispiro(5.1.1.1.2)hencosan-20-yl)propionate

Index 607-174-00-2 (see Part III)
 Class'n Xi: R38 N: R51, 53
 Label Xi, N
 R38, 51/53
 S(2), 28, 61
 400-580-9

terbufos

S-tert-butylthiomethyl O,O-diethylphosphorodithioate

CAS 013071-79-9
 Index 015-139-00-2
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 36/37, 45
 235-963-8

terbumeton (ISO)

2-tert-butylamino-4-ethylamino-6-methoxyl-,3,5-triazine

CAS 033693-04-8
 Index 613-066-00-6
 Class'n Xn: R22 N: R50, 53
 Label Xn, N
 R22, 50/53
 S(2), 60, 61
 251-637-8

1,4,5,8-tetraaminoanthraquinone

C.I.DisperseBlue 1

CAS 002475-45-8
 Index 61 1-032-00-5
 Class'n Carc Cat 2: R45 Xi: R38, 41 R43
 Label T
 R45, 38, 41, 43
 S53, 45
 219-603-7

tetraammonium5-(4-(7-amino-1-hydroxy-3-sulfonato-2-

naphthylazo)-6-sulfonato-1-naphthylazo)isophthalate

Index 61 1-01 8-00-9
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 405-130-5

● 1,4,7,10-tetraazacyclododecane disulfate

CAS 112193-77-8
 Index 612-178-00-2
 Class'n Xn: R22 Xi: R37, 41 R52, 53
 Label Xn
 R22, 37, 41, 52/53
 S(2), 26, 36/37/39, 61
 412-080-8

3,6,9,12-tetra-azatetradecamethylenediamine

pentaethylenhexamine

CAS 004067-16-7
 Index 612-064-00-2
 Class'n C: R34 R43 N: R50, 53
 Label C, N
 R34, 43, 50/53
 S(1/2), 26, 36/37/39, 45, 60, 61
 223-775-9
 Conc Conc >= 10% C: R34, 43
 Conc >= 5% and < 10% Xi: R36/38, 43
 Conc >= 1% and < 5% Xi: R43

1,1,2,2-tetrabromoethane

CAS 000079-27-6
 Index 602-016-00-9
 Class'n T+: R26 Xi: R36 R52, 53
 Label T+
 R26, 36, 52/53
 S(1/2), 24, 27, 45, 61
 201-191-5
 Conc Conc >= 20% T+: R26, 36
 Conc >= 7% and < 20% T+: R26
 Conc >= 1% and < 7% T: R23
 Conc >= 0.1% and < 1% Xn: R20

tetracarbonylnickel Note E

nickeltetracarbonyl

CAS 013463-39-3
 Index 028-001-00-1
 Class'n F: R11 Carc Cat 3: R40 Repr Cat 2: R61 T+: R26 N: R50, 53
 Label F, T+, N
 R61, 11, 26, 40, 50/53
 S53, 45, 60, 61
 236-669-2

● 5,6,12,13-tetrachloroanthra(2,1,9-def:6,5,10-d'e'f) diisoquinoline-1,3,8,10(2H,9H)-tetrone

CAS 115662-06-1
 Index 616-066-00-4
 Class'n Repr Cat 3: R62
 Label Xn
 R62
 S(2), 22, 36/37
 405-100-1

tetrachloro-p-benzoquinone

CAS 000118-75-2
 Index 602-066-00-1
 Class'n Xi: R36/38 N: R50, 53
 Label Xi, N
 R36/38, 50/53
 S(2), 37, 60, 61
 204-274-4

● 2,3,4,5-tetrachlorobenzoylchloride

CAS 042221-52-3
 Index 607-339-00-9
 Class'n Xn: R22 C: R34 R43
 Label C
 R22, 34, 43
 S(1/2), 26, 36/37/39, 45
 406-760-3

4,4,5,5-tetrachloro-1,3-dioxolan-2-one

CAS 022432-68-4
 Index 602-075-00-0
 Class'n T+: R26 Xn: R22 C: R34
 Label T+
 R22,26,34
 S(1/2), 9,26,28,36/37/39,45
 404-060-2

1,1,2,2-tetrachloroethane

CAS 000079-34-5
 Index 602-015-00-3
 Class'n T+: R26/27 N: R51, 53
 Label T+, N
 R26/27,51/53
 S(1/2), 38,45,61
 201-197-8
 Conc Conc >= 7% T+: R26/27
 Conc >= 1% and < 7% T: R23/24
 Conc >= 0.1% and < 1% Xn: R20/21

tetrachloroethylene

CAS 000127-18-4
 Index 602-028-00-4
 Class'n Carc Cat 3: R40 N: R51, 53
 Label Xn, N
 R40,51/53
 S(2), 23,36/37,61
 204-825-9
 Conc Conc >= 1% Xn: R40

**tetrachloroisophthalonitrile
chlorothalonil (ISO)**

CAS 001897-45-6
 Index 608-014-00-4
 Class'n Carc Cat 3: R40 N: R50, 53
 Label Xn, N
 R40,50/53
 S(2),36/37,60,61
 217-588-1

tetrachloromethane

carbon tetrachloride
 CAS 000056-23-5
 Index 602-008-00-5
 Class'n Carc Cat 3: R40 T: R23/24/25,48/23 R52,53
 N: R59
 Label T, N
 R23/24/25,40,48/23,52/53,59
 S(1/2), 23,36/37,45,59,61
 200-262-8
 Conc Conc >= 1% T: R23/24/25,40,48/23
 Conc >= 0.2% and < 1% Xn: R20/21/22,48/20

**2,3,5,6-tetrachloro-4-(methylsulphonyl) pyridine
methyl-2,3,5,6-tetrachloro-4-pyridylsulphone**

CAS 013108-52-6
 Index 613-032-00-0
 Class'n Xn:R21/22 Xi:R36 R43
 Label Xn
 R21/22,36,43
 S(2),26,28
 236-035-5

1,2,4,5-tetrachloro-3-nitrobenzene

tecnazene (ISO)
 CAS 000117-18-0
 Index 609-044-00-0
 Class'n Xn: R22 R43 N: R50, 53
 Label Xn, N
 R22,43,50/53
 S(2), 24,37,60,61
 204-178-2

2,3,4,6-tetrachlorophenol

CAS 000058-90-2
 Index 604-013-00-8
 Class'n T: R25 Xi: R36138 N: R50, 53
 Label T, N
 R25,36/38,50/53
 S(1/2),26,28,37,45,60,61
 200-402-8
 Conc Conc >= 20% T: R25,36/38
 Conc >= 5% and < 20% T: R25
 Conc >= 0.5% and < 5% Xn: R22

tetrachlorophthalicanhydride

CAS 000117-08-8
 Index 607-242-00-1
 Class'n Xi: R41 R42/43 N: R50, 53
 Label Xn, N
 R41,42/43,50/53
 S(2)22,24,26,37/39,60,61
 204-171-4

**tetrachloroplatinates, with the exception of those
specified elsewhere in the Approved Supply List Note A**

Index 078-001-00-0
 Class'n T: R25 Xi: R41 R42143
 Label T
 R25,41,42/43
 S(2),22,26,36/37/39,45

tetracyclohexylstannane

chlorotricyclohexylstannane
 butyltricyclohexylstannane
 CAS 001449-55-4
 Index 050-012-00-5
 Class'n Xn: R20/21122 N: R50,53
 Label Xn, N
 R20/21/22,50/53
 S(2),26,28,60,61
 215-910-5
 Conc Note 1
 Conc >= 1% Xn: R2012122

**mixture of
tetradecanoic acid
and
poly(1-7)lactate esters of tetradecanoic acid**

Index 607-302-00-7 (see Part III)
 Class'n Xi: R38, 41 R43 N: R51, 53
 Label Xi, N
 R38,41,43,51/53
 S(2),24,26,37/39,61
 411-910-6

 tetradecylammonium bis(1-(5-chloro-1-oxidophenylazo)-2-

naphtholato) chromate(1-)
 CAS 088377-66-6
 Index 024-016-00-2
 Class'n Xn: R48/22 R53
 Label Xn
 R48/22,53
 S(2), 22,36,61
 405-110-6

• mixture of
 tetradecyl N-(2,2,6,6-tetramethylpiperidin-4-yl)-**b**-
 alaninate

and
 dodecyl N-(2,2,6,6-tetramethylpiperidin-4-yl)-**β**-
 alaninate

Index 607-333-00-6(seePartIII)
 Class'n Xn: R22,48/22 C: R34 N: R50,53
 Label C, N
 R22,34,48/22,50/53
 S(1/2), 26,36/37/39,45, 60,61
 405-670-1

O,O,O,O-tetraethyl dithiopyrophosphate
 sulfotep (ISO)

CAS 003689-24-5
 Index 015-027-00-3
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2),23, 28,36/37,45
 222-995-2

tetraethylenepentamine
 3,6,9-triazaundecamethylenediamine

CAS 000112-57-2
 Index 612-060-00-0
 Class'n Xn: R21/22 C: R34 R43 N: R51,53
 Label C, N
 R21/22,34,43,51/53
 S(112), 26,36/37/39,45, 61
 203-986-2
 Conc Conc >= 25% C: R21/22,34,43
 Conc >= 10% and < 25% C: R34,43
 Conc >= 5% and < 10% Xi: R36/38,43
 Conc >= 1% and < 5% Xi: R43

O,O,O,O-tetraethyl S,S'-methylenedi (phosphorodithioate)

ethion (ISO)
 CAS 000563-12-2
 Index 015-047-00-2
 Class'n T: R25 Xn: R21
 Label T
 R21,25
 S(1/2), 25,36/37,45
 209-242-3

tetraethyl pyrophosphate

TEPP(ISO)
 CAS 000107-49-3
 Index 015-025-00-2
 Class'n T+: R27/28 N: R50
 Label T+,N
 R27/28,50
 S(1/2), 36/37/39,38,45,61
 203-495-3

 tetraethyl silicate

ethyl silicate
 CAS 000078-10-4
 Index 014-005-00-0
 Class'n R10 Xn: R20 Xi: R36/37
 Label Xn
 R10,20,36/37
 S(2)
 201-083-8

tetraethylthiuramdisulfide
 disulfiram

CAS 000097-77-8
 Index 006-079-00-8
 Class'n Xn: R22,48/22 R43 N: R50,53
 Label Xn,N
 R22,43,48/22,50/53
 S(2),24,37,60,61
 202-607-8

2,3,5,6-tetrafluorobenzyl trans-2-(2,2-dichlorovinyl)-3,3-
 dimethylcyclopropanecarboxylate

CAS 118712-89-3
 Index 607-223-00-8
 Class'n Xi: R38 N: R50, 53
 Label Xi,N
 R38,50/53
 S(2),36/37,60,61
 405-060-5

• N,N,N',N'-tetraglydidyl-4,4'-diamino-3,3'-
 diethyldiphenylmethane

CAS 130728-76-6
 Index 612-171-00-4
 Class'n Muta Cat 3: R68 R43 N: R51,53
 Label Xn,N
 R43,68,51/53
 S(2),36/37,61
 410-060-3

tetrahydro-3,5-dimethyl-,3,5-thiadiazine-2-tione
 dazomet (EO)

CM 000533-74-4
 Index 613-008-00-X
 Class'n Xn: R22 Xi: R36 N: R50,53
 Label Xn,N
 R22,36,50/53
 S(2),15,22,24,60,61
 208-576-7

tetrahydrofuran

CAS 000109-99-9
 Index 603-025-00-0
 Class'n F: R11, 19 Xi: R36/37
 Label FXi
 R11,19,36/37
 S(2),16,29,33
 203-726-8
 Conc Conc >= 25% Xi: R36/37

tetrahydrofuran-2,5-diyldimethanol

CAS 000104-80-3
 Index 603-062-00-2
 Class'n Xi: R36/37/38
 Label Xi
 R36/37/38
 S(2), 39
 203-239-0
 Conc Conc >= 10% Xi: R36/37/38

tetrahydrofurfuryl alcohol

tetrahydro-2-furylmethanol
 CAS 000097-99-4
 Index 603-061-00-7
 Class'n Xi: R36
 Label Xi
 R36
 S(2), 39
 202-625-6
 Conc Conc >= 10% Xi: R36

• (+/-)tetrahydrofurfuryl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionate Note E

CAS 119738-06-6
 Index 607-373-00-4
 Class'n Muta Cat 3: R68 ReprCat 2: R61 ReprCat 3:
 R62 Xn: R22, 48/22 N: R50, 53
 Label T, N
 R61, 22, 48/22, 62, 68, 50/53
 S53, 45, 60, 61
 414-200-4

tetrahydro-2-furylmethanol

tetrahydrofurfuryl alcohol
 CAS 000097-99-4
 Index 603-061-00-7
 Class'n Xi: R36
 Label Xi
 R36
 S(2), 39
 202-625-6
 Conc Conc >= 10% Xi: R36

tetrahydro-2-isobutyl-4-methylpyran-4-ol mixed isomers (cis and trans)

Index 603-101-00-3
 Class'n Xi: R36
 Label Xi
 R36
 S(2), 25, 26
 405-040-6

3a,4,7,7a-tetrahydro-4,7-methanoindene

CAS 000077-73-6
 Index 601-044-00-9
 Class'n F: R11 Xn: R20/22 Xi: R36/37/38 N: R51, 53
 Label F, Xn, N
 R11, 20/22, 36/37/38, 51/53
 S(2), 36/37, 61
 201-052-9

1,2,3,6-tetrahydro-3,6-methanophthalic anhydride Note C
 8,9,10-trinorborn-5-ene-2,3-dicarboxylic anhydride
 (1a,2a,3b,6b)-1,2,3,6-tetrahydro-3,6-methanophthalic anhydride
 CAS 000826-62-0
 Index 607-105-00-6
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 22, 24, 26, 3/39
 212-557-9

(1a,2a,3b,6b)-1,2,3,6-tetrahydro-3,6-methanophthalic anhydride Note C

8,9,10-trinorborn-5-ene-2,3-dicarboxylic anhydride
 1,2,3,6-tetrahydro-3,6-methanophthalic anhydride
 CAS 002746-19-2
 Index 607-105-00-6
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 22, 24, 26, 37/39
 220-384-5

1,2,3,6-tetrahydro-4-methylphthalic anhydride Note C

CAS 003425-89-6
 Index 607-240-00-0 (see Part III)
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 22, 24, 26, 37/39
 222-323-8

1,2,3,6-tetrahydro-3-methylphthalic anhydride Note C

CAS 005333-84-6
 Index 607-240-00-0 (see Part III)
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 22, 24, 26, 37/39
 226-247-6

tetrahydromethylphthalic anhydride Note C

CAS 011070-44-3
 Index 607-240-00-0 (see Part III)
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 22, 24, 26, 37/39
 234-290-7

1,2,3,6-tetrahydromethylphthalic anhydride Note C

CAS 026590-20-5
 Index 607-240-00-0 (see Part III)
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 22, 24, 26, 37/39
 247-830-1

tetrahydro-4-methylphthalic anhydride Note C

CAS 034090-76-1
 Index 607-240-00-0 (see Part III)
 Class'n Xi: R41 R42/43
 Label Xn
 R41,42/43
 S(2),22,24,26,37/39
 251-823-9

2,3,5,6-tetrahydro-2-methylphthalic anhydride Note C

CAS 042498-58-8
 Index 607-240-00-0 (see Part III)
 Class'n Xi: R41 R42/43
 Label Xn
 R41,42/43
 S(2),22,24,26,37/39
 255-853-3

1,2,3,4-tetrahydronaphthalene

CAS 000119-64-2
 Index 601-045-00-4
 Class'n R19 Xi: R36138 N: R51, 53
 Label Xi, N
 R19, 36/38,51/53
 S(2),26,28,61
 204-340-2

1.2.3.4-tetrahydro-1-naphthyl hydroperoxide

CAS 000771-29-9
 Index 617-004-00-9
 Class'n O: R7 C: R34 Xn: R22 N: R50, 53
 Label O, C, N
 R7,22,34,50/53
 S(1/2),317.14,26,36/37/39,45,60,61
 212-230-0
 Conc Conc >= 25% C: R22,34
 Conc >= 10% and < 25% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

1,2,3,6-tetrahydrophthalic anhydride Note C

cis-1,2,3,6-tetrahydrophthalic anhydride
 3,4,5,6-tetrahydrophthalic anhydride
 tetrahydmpthalic anhydride
 CAS 000085-43-8
 Index 607-099-00-5
 Class'n Xi: R41 R42/43 R52, 53
 Label Xn
 R41,42/43,52/53
 S(2),22,24,26,37/39,61
 201-605-4

3,4,5,6-tetrahydrophthalic anhydride Note C

1,2,3,6-tetrahydrophthalic anhydride
 cis-1,2,3,6-tetrahydrophthalic anhydride
 tetrahydrophthalic anhydride
 CAS 002426-02-0
 Index 607-099-00-5
 Class'n Xi: R41 R42/43 R52, 53
 Label Xn
 R41,42/43,52/53
 S(2),22,24,26,37/39,61
 219-374-3

tetrahydrophthalic anhydride Note C

1,2,3,6-tetrahydrophthalic anhydride
 cis-1,2,3,6-tetrahydrophthalic anhydride
 3,4,5,6-tetrahydrophthalic anhydride
 CAS 026266-63-7
 Index 607-099-00-5
 Class'n Xi: R41 R42/43 R52,53
 Label Xn
 R41,42/43,52/53
 S(2),22,24,26,37/39,61
 247-570-9

1,2,5,6-tetrahydropyrrolo[3,2,1-ij]quinolin-4-one pyroquilon (ISO)

CAS 057369-32-1
 Index 613-131-00-9
 Class'n Xn: R22 R52, 53
 Label Xn
 R22,52/53
 S(2),61

1,2,3,6-tetrahydro-N-(1,1,2,2-tetrachloroethylthio)phthalimide

captafol (ISO)
 CAS 002425-06-1
 Index 613-046-00-7
 Class'n Carc Cat 2: R45 R43 N: R50, 53
 Label T, N
 R45,43,50/53
 S53,45,60,61
 219-363-3

tetrahydrothiophene

CAS 000110-01-0
 Index 613-087-00-0
 Class'n F: R11 Xn: R20/21/22 Xi: R36/38 R52,53
 Label F, Xn
 R11, 20/21/22,36/38,52/53
 S(2),16,23,36/37,61
 203-728-9

tetrahydrothiophene-1,1-dioxide

sulpholane
 CAS 000126-33-0
 Index 016-031-00-8
 Class'n Xn: R22
 Label Xn
 R22
 S(2),25
 204-783-1
 Conc Conc >= 25% Xn: R22

1,2,3,6-tetrahydro-N-(trichloromethylthio)phthalimide captan (ISO)

CAS 000133-06-2
 Index 613-044-00-6
 Class'n Carc Cat 3: R40 T:R23 Xi: R41 R43 N: R50
 Label T, N
 R23,40,41,43,50
 S(1/2),26,29,36/37/39,45,61
 205-087-0

N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetraethylpiperidin-4-yl)amino)trimin-2-yl)-4,7-diazadecane-1,10-diamine

CAS 106990-43-6
Index 613-078-00-1
Class'n R43 N: R51, 53
Label Xi,N
R43, 51/53
S(2), 22, 24, 37, 61
401-990-0

2,2,6,6-tetrakis(bromomethyl)-4-oxaheptane-1,7-diol

CAS 109678-33-3
Index 602-082-00-9
Class'n R43 N: R51, 53
Label Xi,N
R43, 51/53
S(2), 22, 24, 37, 41, 61
408-020-5

tetrakis(dimethylditetradecylammonium) hexa-mu-oxotetra-mu3-oxodi-mu5-oxotetradecaooctamolybdate(4-)

CAS 117342-25-3
Index 042-002-00-4
Class'n Xi: R41
Label Xi
R41
S(2), 26, 39
404-760-8

• tetrakis-hydroxymethylphosphonium chloride, urea and distilled hydrogenated C16-18 tallow alkylamine; UVCB condensation product of

CAS 166242-53-1
Index 015-179-00-0
Class'n Muta Cat 3: R68 Xn: R22, 48/22 C: R34 R43
N: R50, 53
Label C,N
R22, 34, 43, 48/22, 68, 50/53
S(1/2), 26, 36/37/39, 45, 60, 61
422-720-8

• P,P,P',P'-tetrakis-(o-methoxyphenyl)propane- 1,3-diphosphine

CAS 116163-96-3
Index 015-176-00-4
Class'n N: R50, 53
Label N
R50/53
S60,61
413-430-2

• tetrakis(phenylmethyl)thiooxydi(carbothioamide)

CAS 010591-85-2
Index 016-073-00-7
Class'n R53
Label R53
S61
404-310-0

tetrakis(tetramethylammonium) 6-amino-4-hydroxy-3-(7-sulfonato-4-(4-sulfonatophenylazo)-1-naphthylazo)naphthalene-2,7-disulfonate

CAS 116340-05-7
Index 611-020-00-X
Class'n T: R25 R43 R52, 53
Label T
R25, 43, 52/53
S(1/2), 22, 24, 37, 45, 61
405-170-3

• tetrakis(tetramethylammonium)3,3'-(6-(2-hydroxyethylamino)1,3,5-triazine-2,4-diylbisimino(2-methyl-4,1-phenyleneazo))bisnaphthalene-1,5-disulfonate

CAS 131013-83-7
Index 611-098-00-5
Class'n T R25 R52, 53
Label T
R25, 52/53
S(1/2), 37, 45, 61
405-950-3

tetrakis(trimethylhexadecylammonium) hexa-mu-oxotetra-mu3-oxodi-mu5-oxotetradecaooctamolybdate(4-)

CAS 116810-46-9
Index 042-003-00-X
Class'n F: R11 Xi: R41 N: R50, 53
Label F, Xi, N
R11, 41, 50/53
S(2), 26, 39, 60, 61
404-860-1

tetralithium 6-amino-4-hydroxy-3-[7-sulfonato-4-(5-sulfonato-2-naphthylazo)-1-naphthylazo]naphthalene-2,7-disulfonate

CAS 107246-80-0
Index 611-035-00-1
Class'n R43 N: R51, 53
Label Xi, N
R43, 51/53
S(2), 24, 37, 61
403-660-1

tetralithium 6-amino-4-hydroxy-3-(7-sulfonato-4-(4-sulfonatophenylazo)-1-naphthylazo(naphthalene-2,7-disulfonate

CAS 106028-58-4
Index 611-019-00-4
Class'n R43
Label Xi
R43
S(2), 24, 37
405-150-4

■ 2,2'-((3,3',5,5'-tetramethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(oxymethylene))-bis-oxirane

CAS 085954-11-6
Index 604-055-00-7
Class'n Muta Cat 3: R68
Label Xn
R68
S(2), 22, 36137
413-900-7

N,N,N',N'-tetramethyldithiobis(ethylene)diamine dihydrochloride

CAS 017339-60-5
 Index 016-059-00-0
 Class'n Xn:R22 Xi:R36 R43 N:R51,53
 Label Xn,N
 R22, 36, 43, 51/53
 S(2), 26, 36/37, 61
 405-300-9

tetramethylene diacrylate Note D

1,4butyleneglycol diacrylate
 CAS 001070-70-8
 Index 607-119-00-2
 Class'n Xn:R21 C:R34 R43
 Label C
 R21, 34, 43
 S(1/2), 26, 36/37/39, 45
 213-979-6
 Conc Conc >= 25% C: R21, 34, 43
 Conc >= 10% and < 25% C: R34, 43
 Conc >= 5% and < 10% Xi: R36/38, 43
 Conc >= 1% and < 5% Xi: R43

N,N,N',N'-tetramethylethylenediamine

CAS 000110-18-9
 Index 612-103-00-3
 Class'n F:R11 Xn:R20/22 C:R34
 Label F,C
 R11, 20/22, 34
 S(1/2), 16, 26, 36/37/39, 45
 203-744-6

2,5,7,7-tetramethyloctanal

CAS 114119-97-0
 Index 605-026-00-1
 Class'n Xi:R38 R43 N:R51,53
 Label Xi,N
 R38, 43, 51/53
 S(2), 24, 37, 61
 405-690-0

N,N,N',N'-tetramethyl-p-phenylenediamine

CAS 000100-22-1
 Index 612-032-00-8
 Class'n Xn:R20/21/22
 Label Xn
 R20/21/22
 S(2), 28
 202-831-6

tetramethylphosphorodiamidic fluoride

dimefox (ISO)
 CAS 000115-26-4
 Index 015-061-00-9
 Class'n T+:R27/28
 Label T+
 R27/28
 S(1/2), 23, 28, 36/37, 38, 45
 204-076-8

N,N,N',N'-tetramethyl-3,3'-(propylenebis(iminocarbonyl-4,1-phenylenazo(1,6-dihydro-2-hydroxy-4-methyl-6-oxopyridine3,1-diy))di(propylammonim)dilactate

Index 611-011-00-0
 Class'n Xi:R41 N:R51, 53
 Label Xi,N
 R41, 51/53
 S(2), 26, 39, 61
 403-340-1

2,4,6,8-tetramethyl-1,3,5,7-tetraoxacyclooctane metaldehyde

CAS 000108-62-3
 Index 605-005-00-7
 Class'n R10 Xn:R22
 Label Xn
 R10, 22
 S(2), 13, 25, 46
 203-600-2

■ tetramethylthiuram disulphide

thiram
 CAS 000137-26-8
 Index 006-005-00-4
 Class'n Muta Cat 3: R68 Xn: R20/22 Xi: R36/37 R43
 Label Xn
 R20/22, 36/37, 43, 68
 S(2), 36/37
 205-286-2

tetramethylthiuram monosulphide

CAS 000097-74-5
 Index 006-080-00-3
 Class'n Xn:R22 R43 N:R51,53
 Label Xn,N
 R22, 43, 51/53
 S(2), 24, 26, 37, 61
 202-605-7

1,2,3,4-tetranitrocarbazole

CAS 006202-15-9
 Index 613-003-00-2
 Class'n E RI Xn:R20/21/22
 Label E,Xn
 R1, 20/21/22
 S(2), 35

tetraphosphorus trisulphide

phosphorus sesquisulphide
 CAS 001314-85-8
 Index 015-012-00-1
 Class'n F:R11 Xn:R22 N:R50
 Label F,Xn,N
 R11, 22, 50
 S(2), 7, 16, 24/25, 61
 215-245-0

tetrapotassium 2-(4-(5-(1-(2,5-disulfonatophenyl)-3-ethoxycarbonyl-5-hydroxypyrazol-4-yl)penta-2,4-enylidene)-3-ethoxycarbonyl-5-oxo-2-pyrazolin-1-yl)benzene-1,4-disulfonate

Index 61 3-1 06-00-2
Class'n R43
Label Xi
R43
S(2), 24, 37
405-240-3

O,O,O',O'-tetrapropyl dithiopyrophosphate

CAS 003244-90-4
Index 015-081-00-8
Class'n Xn: R21/22 N: R50, 53
Label Xn,N
R21/22, 50/53
S(2), 36/37, 60, 61
221-817-0

(tetrasodium 1-(4-(3-acetamido-4-(4'-nitro-2,2'-disulfonatostilben-4-ylazo)anilino)-6-(2,5-disulfonatoanilino)-1,3,5-triazin-2-yl)-3-carboxypyridinium)hydroxide

CAS 115099-55-3
Index 611-014-00-7
Class'n R43
Label Xi
R43
S(2), 22, 24, 37
404-250-5

● tetrasodium 4-amino-3,6-bis(5-[4-chloro-6-(2-hydroxyethylamino)-1,3,5-triazin-2-ylamino]-2-sulfonatophenylazo)-5-hydroxynaphthalene-2,7-disulfonate

CAS 085665-98-1
Index 611-068-00-1
Class'n N: R51, 53
Label N
R51/53
S61
400-690-7

tetrasodium 4-amino-3,6-bis(5-(6-chloro-4-(2-hydroxyethylamino)-1,3,5-triazin-2-ylamino)-2-sulfonatophenylazo)-5-hydroxynaphthalene-2,7-sulfonate (containing > 35% sodium chloride and sodium acetate)

Index 01 6-055-00-9
Class'n Xi:R41 R43
Label Xi
R41, 43
S(2), 22, 24, 26, 37/39
400-510-7

tetrasodium [5-((4-amino-6-chloro-1,3,5-triazin-2-yl)amino)-2-((2-hydroxy-3,5-disulfonatophenylazo)-2-sulfonatobenzylidenehydrazino)benzoate]copper(II)

CAS 116912-62-0
Index 016-066-00-9
Class'n R52, 53
Label R52/53
S61
404-070-7

tetrasodium 4-amino-5-hydroxy-6-(4-(2-(2-(sulfonatooxy)ethylsulfonyl)ethylcarbonyl)phenylazo)-3-(4-(2-(sulfonatooxy)ethylsulfonyl)phenylazo)naphthalene-2,7-disulfonate

CAS 116889-78-2
Index 611-015-00-2
Class'n R43
Label Xi
R43
S(2), 22, 24, 37
404-320-5

tetrasodium 5-benzamido-3-(5-(4-fluoro-6-(1-sulphonato-2-naphthylamino)-1,3,5-triazin-2-ylamino)-2-sulphonatophenylazo)-4-hydroxynaphthalene-2,7-disulphonate

CAS 085665-97-0
Index 016-042-00-8
Class'n Xi: R36/38 R43
Label Xi
R36/38, 43
S(2), 22, 24/25, 37
400-790-0

tetrasodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate] (C.I. Direct Blue 6)

CAS 002602-46-2
Index 611-026-00-2
Class'n Carc Cat 2: R45 Repr Cat 3: R63
Label T
R45, 63
S53, 45
220-012-1

tetrasodium 1,2-bis(4-fluoro-6-[5-(1-amino-2-sulfonatoanthracinon-4-ylamino)-2,4,6-trimethyl-3-sulfonatophenylamino]-1,3,5-triazin-2-ylamino)ethane

CAS 143683-23-2
Index 613-148-00-1
Class'n R43 R52, 53
Label Xi
R43, 52/53
S(2), 22, 24/25, 37, 61
411-240-4

■ tetrasodium (c-(3-(1-(3-(e-6-dichloro-5-cyanopyrimidin-5-yl(methyl)amino)propyl)-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-3-pyridylazo)-4-sulfonatophenylsulfamoyl)phthalocyanine-a,b,d-trisulfonato(6)-nickelato II, where a is 1 or 2 or 3 or 4, b is 8 or 9 or 10 or 11, c is 15 or 16 or 17 or 18, d is 22 or 23 or 24 or 25 and where e and f together are 2 and 4 or 4 and 2 respectively

CAS 148732-74-5
Index 607-288-00-2
Class'n Xi: R36 R43 R52, 53
Label Xi
R36, 43, 52/53
S(2), 22, 26, 36/37, 61
410-160-7

tetrasodium 2-(6-chloro-4-(4-(2,5-dimethyl-4-(2,5-disulphonatophenylazo)phenylazo)-3-ureidoanilino)-1,3,5-triazin-2-ylamino)benzene-1,4-disulphonate
 Index 016-039-00-1
 Class'n R43
 Label Xi
 R43
 S(2), 22, 24, 37
 400-430-2

• tetrasodium 5-[4-chloro-6-(N-ethyl-anilino)-1,3,5-triazin-2-ylamino]-4-hydroxy-3-(1,5-disulfonatonaphthalen-2-ylazo)-naphthalene-2,7-disulfonate
 CAS 130201-57-9
 Index 611-066-00-0
 Class'n Xi: R41 R43 N: R51, 53
 Label Xi, N
 R41, 43, 51/53
 S(2), 22, 24, 26, 37/39, 61
 411-540-5

tetrasodium 5'-(4,6-dichloro-5-cyanopyrimidin-2-ylamino)-4'-hydroxy-2,3'-azodinaphthalene-1,2',5,7'-disulfonate
 Index 016-036-00-5
 Class'n R42 N: R51, 53
 Label Xn, N
 R42, 51/53
 S(2), 22, 61
 400-130-1

• tetrasodium [7-(2,5-dihydroxy-KO₂-7-sulfonato-6-[4-(2,5,6-trichloro-pyrimidin-4-ylamino)phenylazo]-(N 1, N7-N)-1-naphthylazo)-S-hydroxy-KO₈-naphthalene-1,3,5-trisulfonato(6-)]cuprate(II)
 CAS 141048-13-7
 Index 611-081-00-2
 Class'n R43 R52, 53
 Label Xi
 R43, 52/53
 S(2), 22, 24, 37, 61
 411-470-5

mixture of
 tetrasodium phosphonoethane-1,2-dicarboxylate
 and
 hexasodium phosphonobutane-1,2,3,4-tetracarboxylate
 Index 607-295-00-0 (see Part 111)
 Class'n R43 N: R51, 53
 Label Xi, N
 R43, 51/53
 S(2), 24, 37, 61
 410-800-5

tetrasodium 3,3'-(piperazine-1,4-diylbis((6-chloro-1,3,5-triazine-4,2-diyl)imino(2-acetamido)-4,1-phenyleneazo))bis(naphthalene-1,5-disulphonate)
 CAS 081898-60-4
 Index 016-034-00-4
 Class'n R43
 Label Xi
 R43
 S(2), 22, 24, 37
 400-010-9

tetryl
 N-methyl-N,2,4,6-tetroaniline
 CAS 000479-45-8
 Index 612-017-00-6
 Class'n E: R2 T: R23/24/25 R33
 Label E, T
 R2, 23/24/25, 33
 S(1/2), 35, 45
 207-531-9

TGIC Note- C
 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(IH,3H,5H)-trione
 CAS 002451-62-9
 Index 615-021-00-6
 Class'n Muta Cat 2. R46 T: R23/25 Xn: R48/22 Xi: R41 R43 R52, 53
 Label T
 R46, 23/25, 41, 43, 48/22, 52/53
 S53, 45, 61
 219-514-3

thallic sulphate
 dithallium sulphate
 CAS 007446-18-6
 Index 081-003-00-4
 Class'n T+: R28 T: R48/25 Xi: R38 N: R51, 53
 Label T+, N
 R28, 38, 48/25, 51/53
 S(1/2), 13, 36/37, 45, 61
 231-201-3

thallium
 CAS 007440-28-0
 Index 081-001-00-3
 Class'n T+: R26/28 R33 R53
 Label T+
 R26/28, 33, 53
 S(1/2), 13, 28, 45, 61
 231-138-1

thallium compounds, with the exception of those specified elsewhere in the Approved Supply List Note A
 Index 081-002-00-9
 Class'n T+: R26/28 R33 N: R51, 53
 Label T+, N
 R26/28, 33, 51/53
 S(1/2), 13, 28, 45, 61

• thiabendazol (ISO)
 2-(thiazole4yl)benzimidazole
 CAS 000148-79-8
 Index 613-054-00-0
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 205-725-8

thiazfluron (ISO)
 1,3-dimethyl-1-(5-trifluoromethyl-1,3,4-thiadiazol-2-yl)urea
 CAS 025366-23-8
 Index 616-021-00-9
 Class'n Xn:R22 N:R50,53
 Label Xn,N
 R22,50/53
 S(2),60,61
 246-901-4

• 2-(thiazole-4-yl)benzimidazole
 thiabendazol (ISO)
 CAS 000148-79-8
 Index 6B-054-00-0
 Class'n NR50,53
 Label N
 R50/53
 S60,61
 205-725-8

thioacetamide Note E
 CAS 000062-55-5
 Index 616-026-00-6
 Class'n Carc Cat2: R45 Xn:R22 Xi:R36/38 R52,53
 Label T
 R45,22,36/38,52/53
 S53,45,61
 200-541-4

thiobencarb
 S-4-chlorobenzyl diethylthiocarbamate
 CAS 028249-77-6
 Index 006-063-00-0
 Class'n Xn:R22 N:R50,53
 Label Xn,N
 R22,50/53
 S(21,60,61
 248-924-5

mixture of
 thiobis (4,1-phenylene) -S,S,S',S'-
 tetraphenyldisulfonium bishexafluorophosphate
 and
 diphenyl(4-phenylthiophenyl)sulfonium
 hexafluorophosphate
 Index 015-165-00-4 (see Part III)
 Class'n Xi: R41 NR5053
 Label XiN
 R41,50/53
 S(2), 15, 26, 39, 60, 61
 404-986-7

thiocarbamide
 thiourea
 CAS 000062-56-6
 Index 612-082-00-0
 Class'n Carc Cat 3: R40 Repr Cat 3: R63 Xn: R22 N:
 R51,53
 Label Xn,N
 R22,40,51/53,63
 S(2), 36/37,61
 200-543-5

thiocarbonyl chloride
 CAS 000463-718
 Index 607-20100-8
 Class'n TR23 Xn:R22 Xi:R36/37/38
 Label T
 R22,23,36/37/38
 S(1/2), 7,9,36/37,45
 207-341-6

thiocarbonyl chloride
 CAS 000463-718
 Index 607-201-00-X
 Class'n T:R23 Xn:R22 Xi:R36/37/38
 Label T
 R22,23,36/37/38
 S(1/2), 7,9,36/37,45
 207-341-6

thiocyanic acid
 CAS 000463-56-9
 Index 615-003-00-8
 Class'n Xn:R20/21/22 R32 R52,53
 Label Xn
 R20/21/22,32,52/53
 S(2),13,61
 207-337-4

thiocyanic acid, salts of Note A
 Index 615-004-00-3
 Class'n Xn: R20/21/22 R32
 Label Xn
 R20/21/22,32
 S(2),13

thiocyclam-oxalate
 bis (1,2,3-trithiacyclohexyldimethylammonium) oxalate
 CAS 031895-22-4
 Index 607-170-00-0
 Class'n Xn:R21,22 N:R50,53
 Label Xn, N
 R21/22,50/53
 S(2), 36/37, 46, 60, 61
 250-859-2

4,4'-thiodi-o-cresol
 CAS 024197-34-0
 Index 604-034-00-2
 Class'n Xi:R41 N:R5053
 Label Xi, N
 R41,50/53
 S(2), 26,39,60,61
 403-330-7

2,2'-thiodiethanol
 thiodiglycol
 CAS 000111-48-8
 Index 603-081-00-6
 Class'n Xi: R36
 Label Xi
 R36
 S(2)
 203-874-3

thiodiglycol

2,2'-thiodiethanol

CAS 000111-48-8
 Index 603-081-00-6
 Class'n Xi:R36
 Label Xi
 R36
 S(2)
 203-874-3

2-thio-1,3-dithiolo[4,5,b]quinoxaline

thioquinox

CAS 000093-75-4
 Index 613-019-00-X
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24
 202-272-8

thiofanox

3,3-dimethyl-1-(methylthio)butanone-O-(N-methylcarbamoyl) oxime

CAS 039196-18-4
 Index 006-064-00-6
 Class'n T+: R27/28 N: R50, 53
 Label T+, N
 R27/28, 50/53
 S(1/2), 27, 36/37, 45, 60, 61
 254-346-4

thioglycolic acid

CAS 000068-11-1
 Index 607-090-00-6
 Class'n T: R23/24/25 C: R34
 Label T
 R23/24/25, 34
 S(1/2), 25, 27, 28, 45
 200-677-4
 Conc Conc >= 10% T: R23/24/25, 34
 Conc >= 5% and < 10% T: R23/24/25, 36/38
 Conc >= 2% and < 5% T: R23/24/25
 Conc >= 0.2% and < 2% Xn: R20/21/22

thiometon (ISO)

S-2-ethylthioethyl O,O-dimethylphosphorodithioate

CAS 000640-15-3
 Index 015-050-00-9
 Class'n T:R25 Xn:R21
 Label T
 R21, 25
 S(1/2), 36/37, 45
 211-362-6

thionazin

O,O-diethyl O-pyrazin-2-yl phosphorothioate

CAS 000297-97-2
 Index 015-112-00-5
 Class'n T+: R27/28
 Label T+
 R27/28
 S(1/2), 36/37/39, 38, 45
 206-049-6

thionyl chloride

thionyl dichloride

CAS 007719-09-7
 Index 016-015-00-0
 Class'n R14 Xn: R20/22 R29 C:R35
 Label C
 R14, 20/22, 29, 35
 S(1/2), 26, 36/37/39, 45
 231-748-8
 Conc Conc >= 25% C: R20/22, 35
 Conc >= 10% and < 25% C: R35
 Conc >= 5% and < 10% C: R34
 Conc >= 1% and < 5% Xi: R36/37/38

thionyl chloride, reaction products with 1,3,4-thiadiazol-2,5-dithiol, tert-nonanethiol and C12-14-tert-alkylamine

Index 016-058-00-5
 Class'n Xi: R38 R43 R52, 53
 Label Xi
 R38, 43, 52/53
 S(2), 36/37, 61
 404-820-3

thionyl dichloride

thionyl chloride

CAS 007719-09-7
 Index 016-015-00-0
 Class'n R14 Xn: R20/22 R29 C: R35
 Label C
 R14, 20/22, 29, 35
 S(1/2), 26, 36/37/39, 45
 231-748-8
 Conc Conc >= 25% C: R20/22, 35
 Conc >= 10% and < 25% C: R35
 Conc >= 5% and < 10% C: R34
 Conc >= 1% and < 5% Xi: R36/37/38

thiophanate-methyl (ISO)

1,2-di-(3-methoxycarbonyl-2-thioureido)benzene

CAS 023564-05-8
 Index 006-069-00-3
 Class'n Muta Cat 3: R68 Xn: R20 R43 N: R50, 53
 Label Xn, N
 R20, 43, 50/53, 68
 S(2), 36/37, 46, 60, 61
 245-740-7

thioquinox

2-thio-1,3-dithiolo[4,5,b]quinoxaline

CAS 000093-75-4
 Index 613-019-00-X
 Class'n Xn:R22
 Label Xn
 R22
 S(2), 24
 202-272-8

thiourea

thiocarbamide

CAS 000062-56-6
 Index 612-082-00-0
 Class'n Carc Cat 3: R40 Repr Cat 3: R63 Xn: R22 N:
 R51, 53
 Label Xn, N
 R22, 40, 51/53, 63
 S(2), 36/37, 61
 200-543-5

■ thiram

tebameylthiuram disulphide
 CAS 000137-26-8
 Index 006-005-00-4
 Class'n Muta Cat 3: R68 Xn: R20/22 Xi: R36/137 R43
 Label Xn
 R20/22,36/37,43,68
 S(2), 36/37
 205-286-2

thymol

2-isopropyl-5-methyl phenol
 CAS 000089-83-8
 Index 604-032-00-1
 Class'n Xn: R22 C: R34 N: R51,53
 Label C, N
 R22,34,51/53
 S(1/2), 26,28,36/37/39,45,61
 201 -944-8

tin(II) methanesulphonate

CAS 053408-94-9
 Index 050-018-00-8
 Class'n C: R34 Xn: R22 R43
 Label C
 R22,34,43
 S(1/2), 22,26,36/37/39,45
 401-640-7

tin tetrachloride

stannic chloride
 CAS 007646-78-8
 Index 050-001-00-5
 Class'n C: R34 R52, 53
 Label C
 R34,52/53
 S(1/2), 7/8,26,45,61
 231 -588-9
 Conc Conc >= 10% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

titanium(4+) oxalate

Index 022-002-00-0
 Class'n Xi: R41
 Label Xi
 R41
 S(2), 26,39
 403-260-7

titanium tetrachloride

CAS 007550-45-0
 Index 022-001-00-5
 Class'n R14 C: R34
 Label C
 R14,34
 S(1/2), 7/8,26,36/37/39,45
 231-441-9
 Conc Conc >= 10% C: R34
 Conc >= 5% and < 10% Xi: R36/37/38

TNT

2,4,6-trinitrotoluene
 CAS 000118-96-7
 Index 609-008-00-4
 Class'n E: R2 T: R23/24/25 R33 N: R51,53
 Label E,T,N
 R2,23/24/25,33,51/53
 S(1/2), 35,45,61
 204-289-6

o-tolidine based dyes Notes A and n
 4,4'-diaryazo-3,3'-dimethylbiphenyl dyes, with the exception of
 those mentioned elsewhere in the Approved Supply List

Index 611-030-00-4
 Class'n Carc Cat 2: R45
 Label T
 R45
 S53,45

o-tolidine, salts of Notes A and E

4,4'-bi-o-toluidine, salts of
 3,3'-dimethylbenzidine, salts of
 CAS 000612-82-8
 Index 612-081-00-5
 Class'n Carc Cat 2: R45 Xn: R22 N: R51,53
 Label T,N
 R45,22,51/53
 S53,45,61
 210-322-5

o-tolidine, salts of Notes A and E

4,4'-bi-o-toluidine, salts of
 3,3'-dimethylbenzidine, salts of
 CAS 064969-36-4
 Index 612-081-00-5
 Class'n Carc Cat 2: R45 Xn: R22 N: R51,53
 Label T,N
 R45,22,51/53
 S53,45,61
 265-294-7

o-tolidine, salts of Notes A and E

4,4'-bi-o-toluidine, salts of
 3,3'-dimethylbenzidine, salts of
 CAS 074753-18-7
 Index 612-081-00-5
 Class'n Carc Cat 2: R45 Xn: R22 N: R51,53
 Label T,N
 R45,22,51/53
 S53,45,61
 277-985-0

toluene

CAS 000108-88-3
 Index 601-021-00-3
 Class'n F: R11 Xn: R20
 Label F,Xn
 R11,20
 S(2), 16,25,29,33
 203-625-9
 Conc Conc >= 12.5% Xn: R20

2,4-toluenediamine Note E

4-meth yl-m-phen ylmine
 CAS 000095-80-7
 Index 612-099-00-3
 Class'n Carc Cat 2: R45 T: R25 Xn: R21 Xi: R36
 R43 N: R51,53
 Label T,N
 R45, 21, 25, 36, 43, 51/53
 S53, 45, 61
 202-453-1

2,6-toluenediamine

2-meth yl-m-phenylenediamhe
 CAS 000823-40-5
 Index 612-111-00-7
 Class'n Muta Cat 3: R68 Xn: R21/22 R43 N: R51,53
 Label Xn,N
 R21/22, 43, 51/53, 68
 S(2), 24, 36/37, 61
 212-513-9

2,5-toluenediamine

2-methyl-p-phenylenedamine
 CAS 000095-70-5
 Index 612-125-00-3
 Class'n T: R25 Xn: R20/21 R43 N: R51,53
 Label T,N
 R20/21, 25, 43, 51/53
 S(1/2), 24, 37, 45, 61
 202-442-1

toluene-2,4-diammonium sulphate Note E

4-methyl-m-phenylenediamine sulfate
 CAS 065321-67-7
 Index 61 2-1 26-00-9
 Class'n Carc Cat 2: R45 T: R25 Xn: R21 Xi: R36
 R43 N: R51, 53
 Label T, N
 R45, 21, 25, 36, 43, 51/53
 S53, 45, 61
 265-697-8

toluene-2,6-diisocyanate Note C

CAS 000091-84-9
 Index 615-006-00-4 (see Part III)
 Class'n Carc Cat 3: R40 T+: R26 Xi: R36/37/38
 R42/43 R52, 53
 Label T+
 R26, 36/37/38, 40, 42/43, 52/53
 S(1/2), 23, 36/37, 45, 61
 202-039-0
 Conc Note 2
 Conc >= 20% T+: R26, 36/37/38, 40, 42/43
 Conc >= 7% and < 20% T+: R26, 40, 42/43
 Conc >= 1% and < 7% T: R23, 40, 42/43
 Conc >= 0.1% and < 1% Xn: R20, 42

toluene-2,4-diisocyanate Note C

CAS 000584-84-9
 Index 615-006-00-4 (see Part III)
 Class'n Carc Cat 3: R40 T+: R26 Xi: R36/37/38
 R42/43 R52,53
 Label T+
 R26, 36/37/38, 40, 42/43, 52/53
 S(1/2), 23, 36/37, 45, 61
 209-544-5
 Conc Note 2
 Conc >= 20% T+: R26, 36/37/38, 40, 42/43
 Conc >= 7% and < 20% T+: R26, 40, 42/43
 Conc >= 1% and < 7% T: R23, 40, 42/43
 Conc >= 0.1% and < 1% Xn: R20, 42

toluene-diisocyanate Note C

CAS 026471-62-5
 Index 615-006-00-4 (see Part III)
 Class'n Carc Cat 3: R40 T+: R26 Xi: R36/37/38
 R42/43 R52, 53
 Label T+
 R26, 36/37/38, 40, 42/43, 52/53
 S(1/2), 23, 36/37, 45, 61
 247-722-4
 Conc Note 2
 Conc >= 20% T+: R26, 36/37/38, 40, 42/43
 Conc >= 7% and < 20% T+: R26, 40, 42/43
 Conc >= 1% and < 7% T: R23, 40, 42/43
 Conc >= 0.1% and < 1% Xn: R20, 42

p-toluenesulphonic acid (containing a maximum of 5% H₂SO₄)

CAS 000104-15-4
 Index 01 6-030-00-2
 Class'n Xi: R36/37/38
 Label Xi
 R36/37/38
 S(2), 26, 37
 203-180-0
 Conc Conc >= 20% Xi: R36/37/38

p-toluenesulphonic acid (containing more than 5% H₂SO₄)

Index 016-029-00-7
 Class'n C: R34
 Label C
 R34
 S(1/2), 26, 37/39, 45
 Conc Conc >= 25% C: R34
 Conc >= 10% and < 25% Xi: R36/38

m-toluidine

3-aminotoluene
 CAS 000108-44-1
 Index 612-024-00-4
 Class'n T: R23/24/25 R33 N: R50
 Label T,N
 R23/24/25, 33, 50
 S(1/2), 28, 36/37, 45, 61
 203-583-1

o-toluidine NoteE

2-aminotoluene

CAS 000095-53-4

Index 612-091-00-X

Class'n Carc Cat 2: R45 T: R23/25 Xi: R36 N: R50

Label T, N

R45,23/25,36,50

S53,45,61

202-429-0

• p-toluidine

CAS 000106-49-0

Index 612-160-00-4 (see Part III)

Class'n Carc Cat 3: R40 T: R23/24/25 Xi: R36 R43
N: R50

Label T, N

R23/24/25,36,40,43,50

S(1/2), 28,36/37,45,61

203-403-1

• toluidine sulphate(1: 1)

CAS 000540-25-0

Index 612-160-00-4 (See Part III)

Class'n Carc Cat 3: R40 T: R23/24/25 Xi: R36 R43
N: R50

Label T, N

R23/24/25,36,40,43,50

S(1/2), 28,36/37,45,61

208-741-3

• toluidinium chloride

CAS 000540-23-8

Index 612-160-00-4 (see Part III)

Class'n Carc Cat 3: R40 T: R23/24/25 Xi: R36 R43
N: R50

Label T, N

R23/24/25,36,40,43,50

S(1/2), 28,36/37,45, 61

208-740-8

4-o-tolylazo-o-toluidine

4-amino-2',3-dimethylazobenzene

fast garnet GBC base

AAT

o-aminoazotoluene

CAS 000097-56-3

Index 611-006-00-3

Class'n Carc Cat 2: R45 R43

Label T

R45,43

S53,45

202-591-2

• p-tolyl4-chlorobenzoate

CAS 015024-10-9

Index 607-355-00-6

Class'n R43 N: R50,53

Label Xi, N

R43,50/53

S(2), 24,37,60,61

411-530-0

tolylfluaniid (ISO)

dichloro-N-[(dimethylamino)sulphonyl]fluoro-N-(p-tolyl)
methanesulphenamide

CAS 000731-27-1

Index 613-116-00-7

Class'n T R23 Xn: R48/20 Xi: R36/37/38 R43 N:
R50,53

Label T, N

R23,36/37/38,43,48/20,50/53

S(1/2), 24,26,37, 38,45,60,61

211-986-9

m-tolylidene diisocyanate Note C

CAS 026471-62-5

Index 615-006-00-4 (see Part III)

Class'n Carc Cat 3: R40 T+: R26 Xi: R36/37/38
R42/43 R52,53

Label T+

R26,36/37/38,40,42/43,52/53

S(1/2), 23,36/37,45,61

247-722-4

Conc Note2

Conc >= 20% T+: R26,36/37/38,40,42/43

Conc >= 7% and < 20% T+: R26,40,42/43

Conc >= 1% and < 7% T: R23,40,42/43

Conc >= 0.1% and < 1% Xn: R20,42

m-tolyl methylcarbamate

metolcarb (ISO)

MTMC

CAS 001129-41-5

Index 006-056-00-2

Class'n Xn: R22 N: R51,53

Label Xn, N

R22,51/53

S(2),61

214-446-0

4-(4-tolylloxy)biphenyl

CAS 051601-57-1

Index 604-047-00-3

Class'n Xn: R48/22 R53

Label Xn

R48/22,53

S(2),22,36,61

405-730-7

[(p-tolylloxy)methyl]oxirane Note C

CAS 002186-24-5

Index 603-056-00-X (see Part III)

Class'n Muta Cat 3: R68 Xi: R38 R43 N: R51,53

Label Xn, N

R38,43,51/53,68

S(2), 36/37,61

218-574-8

[(m-tolylloxy)methyl]oxirane Note C

CAS 002186-25-6

Index 603-056-00-X (See Part III)

Class'n Muta Cat 3: R68 Xi: R38 R43 N: R51,53

Label Xn, N

R38,43,51/53,68

S(2), 36/37,61

218-575-3

[(tolyloxy)methyl]oxirane Note C

CAS 026447-14-3
 Index 603-056-00-X (see Part III)
 Class'n Muta Cat3: R68 Xi: R38 R43 N: R51,53
 Label Xn, N
 R38, 43, 51/53, 68
 S(2), 36/37, 61
 247-711-4

tosylchloramide sodium

CAS 000127-65-1
 Index 616-010-00-9
 Class'n Xn:R22 R31 C:R34 R42
 Label C
 R22, 31, 34, 42
 S(1/2), 7, 22, 26, 36/37/39, 45
 204-854-7

tosyl isocyanate

4-isocyanatosulphonyltoluene
 CAS 004083-64-1
 Index 615-012-00-7
 Class'n R14 Xi: R36/37/38 R42
 Label Xn
 R14, 36/37/38, 42
 S(2), 26, 28, 30
 223-810-8
 Conc Conc >= 5% Xn: R36/37/38, 42
 Conc >= 1% and < 5% Xn:R42

toxaphene

camphechlor
 CAS 008001-35-2
 Index 602-044-00-1
 Class'n Carc Cat3: R40 T: R25 Xn: R21 Xi: R37/38
 N: R50,53
 Label T, N
 R21, 25, 37/38, 40, 50/53
 S(1/2), 36/37, 45, 60, 61
 232-283-3

TPGDA

(1-methyl-1,2-ethanediy)bis[oxy(methyl-2,1-ethanediy)]
 diacrylate

tripropylene glycol diacrylate

CAS 042978-66-5
 Index 607-249-00-X
 Class'n Xi: R36/37/38 R43 N: R51,53
 Label Xi, N
 R36/37/38, 43, 51/53
 S(2), 24, 37, 61
 256-032-2
 Conc Conc >= 10% Xi: R36/37/38, 43
 Conc >= 1% and < 10% Xi:R43

- mixture of
 trans-4-acetoxy-4-methyl-2-propyl-tetrahydro-2H-
 pyran
 and
 cis-4-acetoxy-4-methyl-2-propyl-tetrahydro-2H-pyran

CAS 131766-73-9
 Index 607-357-00-7 (see Part III)
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 412-450-9

- mixture of
 trans-(2R)-5-acetoxy-1,3-oxathiolane-2-carboxylic
 acid
 and
 cis-(2R)-5-acetoxy-1,3-oxathiolane-2-carboxylic acid
 CAS 147027-04-1
 Index 607-369-00-2 (see Part III)
 Class'n Xn:R22 Xi:R38,41 R43
 Label Xn
 R22, 38, 41, 43
 S(2), 22, 24, 26, 37/39
 411-660-8

- mixture of
 tram-(5-ammonium-1,3,3-trimethyl)-
 cyclohexanemethylammonium phosphate (1:1)
 and
 cis-(5-ammonium-1,3,3-trimethyl)-
 cyclohexanemethylammonium phosphate (1:1)
 CAS 114765-88-7
 Index 612-166-00-7 (see Part III)
 Class'n Xi: R41 R43 R52,53
 Label Xi
 R41, 43, 52/53
 S(2), 24, 26, 37/39, 61
 411-830-1

trans-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-3-thiazolidine-carboxamide

hexythiazox

CAS 078587-05-0
 Index 613-125-00-6
 Class'n N: R50, 53
 Label N
 R50/53
 S60,61

trans-cyclohexane-1,2-dicarboxylic anhydride Note C

cyclohexane-1,2-dicarboxylic anhydride
 cis-cyclohexane-1,2-dicarboxylic anhydride

CAS 014166-21-3
 Index 607-102-00-X
 Class'n Xi: R41 R42/43
 Label Xn
 R41, 42/43
 S(2), 23, 24, 26, 37/39
 238-009-9

- trans-4-cyclohexyl-L-proline monohydrochloride
 CAS 090657-55-9
 Index 607-377-00-6
 Class'n ReprCat3: R62 Xn: R22 Xi: R38,41 R43
 Label Xn
 R22, 38, 41, 43, 62
 S(2), 22, 26, 36/37/39
 419-160-1

trans-dichloroethylene Note C

CAS 000156-60-5
 Index 602-026-00-3 (see Part III)
 Class'n F: R11 Xn: R20 R52,53
 Label F,Xn
 R11, 20, 52/53
 S(2), 7, 16, 29, 61
 205-860-2
 Conc Conc >= 12.5% Xn: R20

- mixture of
trans-2,4-dimethyl-2-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-naphthalene-2-yl)-1,3-dioxolane
and
cis-2,4-dimethyl-2-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-naphthalene-2-yl)-1,3-dioxolane
Index 606-060-00-X (see Part III)
Class'n N: R50, 53
Label N
R50/53
S60, 61
41 2-950-7

- (+/-) trans-3,3-dimethyl-5-(2,2,3-trimethyl-cyclopent-3-en-1-yl)-pent-4-en-2-ol
CAS 107898-54-4
Index 603-150-00-0
Class'n Xi: R38 N: R50, 53
Label Xi, N
R38, 50/53
S(2), 24/25, 37, 60, 61
411-580-3

- (-)-trans-4-(4'-fluorophenyl)-3-hydroxymethyl-N-methylpiperidine
CAS 105812-81-5
Index 603-147-00-4
Class'n Xn: R22 Xi: R41 N: R51, 53
Label Xn, N
R22, 41, 51/53
S(2), 22, 24, 26, 37/39, 61
406-030-4

- mixture of
trans-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzoyloxy)phenyl)-1-naphthyl)coumarin
and
cis-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzoyloxy)phenyl)-1-naphthyl)coumarin
CAS 090035-08-8
Index 607-375-00-5 (see Part III)
Class'n T+: R26/27/28 T: R48/23/24/25 N: R50, 53
Label T+, N
R26/27/28, 48/23/24/25, 50/53
S(1/2), 28, 36/37/39, 45, 60, 61
421-960-0

trans-2-methylcyclohexanol Note C

- CAS 007443-52-9
Index 603-010-00-9 (see Part III)
Class'n Xn: R20
Label Xn
R20
S(2), 24/25
231-186-3

- trans-1-methyl-4-(1-methylvinyl)cyclohexene Note C
dipentene
limonene
(R)-p-mentha-1,8-diene
d-limonene
(S)-p-mentha-1,8-diene
l-limonene
(+)-1-methyl-4-(1-methylvinyl)cyclohexene
CAS 006876-12-6
Index 601-029-00-7
Class'n R10 Xi: R38 R43 N: R50, 53
Label Xi, N
R10, 38, 43, 50/53
S(2), 24, 37, 60, 61
229-977-3

- trans-N-methyl-2-styryl-[4'-aminomethine-(1-acetyl-1-(2-methoxyphenyl)acetamido)]pyridinium acetate
CAS 121315-16-0
Index 613-142-00-9
Class'n R43 N: R51, 53
Label Xi, N
R43, 51/53
S(2), 22, 24, 37, 61
405-860-4

- 4-(trans-4-propylcyclohexyl)acetophenone
CAS 078531-61-0
Index 606-049-00-X
Class'n R43 R53
Label Xi
R43, 53
S(2), 24, 37, 61
406-700-6

triadimefon (ISO)

- l-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone
CAS 043121-43-3
Index 606-037-00-4
Class'n Xn: R22 N: R51, 53
Label Xn, N
R22, 51/53
S(2), 61
256-103-8

trialkylboranes Note A

- Index 005-004-00-6
Class'n F: R17 C: R34
Label F, C
R17, 34
S(1/2), 7, 23, 26, 36/37/39, 43, 45

tri-allate(ISO)

- S-2,3,3-trichloroallyl diisopropylthiocarbamate
CAS 002303-17-5
Index 006-039-00-X
Class'n Xn: R22, 48/22 R43 N: R50, 53
Label Xn, N
R22, 43, 48/22, 50/53
S(2), 24, 37, 60, 61
2 18-962-7

triamid

3-chloro-6-cyano-bicyclo(2,2,1)heptan-2-one-O-(N-methylcarbamoyl)oxime
 3-chloro-6-cyano-bicyclo(2,2,1)heptan-2-one-O(N-methylcarbamoyl) oxime
 CAS 015271-41-7
 Index 006-065-00-1
 Class'n T+:R28 T:R24 N:R51,53
 Label T+,N
 R24,28,51/53
 S(1/2), 28,36/37,45, 61

triamphos (ISO)

5-amino-3-phenyl-1,2,4-triazol-1-yl-N,N,N,N-tetramethylphosphonic diamide
 CAS 001031-47-6
 Index 015-024-00-7
 Class'n T+R27/28
 Label T+
 R27/28
 S(1/2), 22, 28,36/37,45

triarimol

2,4-dichloro-(pyrimidin-5-yl) benzhydryl alcohol
 CAS 026766-27-8
 Index 603-043-00-9
 Class'n Xn:R22
 Label Xn
 R22
 S(2)

triasulfuron

1-[2-(2-chloroethoxy)phenylsulfonyl]-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea
 CAS 082097-50-5
 Index 650-041-00-9
 Class'n N:R50,53
 Label N
 R50/53
 S60,61

3,6,9-triazaundecamethylenediamine

tetraethylenepntamine
 CAS 000112-57-2
 Index 612-060-00-0
 Class'n Xn:R21/22 C:R34 R43 N:R51,53
 Label C,N
 R21/22,34,43,51/53
 S(1/2), 26,36/37/39,45,61
 203-986-2
 Conc Conc >= 25% C: R21/22,34,43
 Conc >= 10% and < 25% C: R34,43
 Conc >= 5% and < 10% Xi: R36/38,43
 Conc >= 1% and < 5% Xi: R43

1,2,4-triazole

CAS 000288-88-0
 Index 613-111-00-X
 Class'n Repr Cat 3:R63 Xn:R22 Xi:R36
 Label Xn
 R22,36,63
 S(2),36/37
 206-022-9

1,2,4-triazol-3-ylamine

amitrole (ISO)
 aminotriazole
 CAS 000061-82-5
 Index 613-011-00-6
 Class'n Carc Cat3: R40 Xn: R48/22 N: R51,53
 Label Xn,N
 R40,48/22,51/53
 5(2), 36,37,61
 200-521-5

triazophos (ISO)

O,O-diethyl-O-1-phenyl-1H,2,4-triazol-3-yl phosphorothioate
 CAS 024017-47-8
 Index 015-140-00-8
 Class'n T:R23/25 Xn:R21 N:R50,53
 Label TN
 R21,23/25,50/53
 S(1/2), 36/37,45,60,61
 245-986-5

tribromomethane

bromoform
 CAS 000075-25-2
 Index 602-007-00-X
 Class'n T:R23 Xi:R36/38 N:R51,53
 Label TN
 R23,36/38,51/53
 S(1/2), 28,45, 61
 200-854-6

tributyl(2,4-dichlorobenzyl) phosphonium chloride
 chlorphonium chloride (ISO)

CAS 000115-78-6
 Index 015-085-00-X
 Class'n T:R25 Xn:R21 Xi:R36/38
 Label T
 R21,25,36/38
 S(1/2),36/37/39,45
 204-105-4

tributyl phosphate

CAS 000126-73-8
 Index 015-014-00-2
 Class'n XnR22
 Label Xn
 R22
 S(2), 25
 204-800-2

• tributyltetradecylphosphonium tetrafluoroborate

Index 015-169-00-6
 Class'n Xn:R22,48/22 C:R34 R43 N:R50,53
 Label C,N
 R22,34,43,48/22,50/53
 S(1/2), 26,28,36/37/39,45,60,61
 413-520-1

tributyltin compounds, with the exception of those specified elsewhere in the Approved Supply List *Note A*

Index	050-008-00-3
Class'n	T: R25, 48/23/25 Xn: R21 Xi: R36/38 N: R50, 53
Label	T, N R21, 25, 36/38, 48/23/25, 50/53 S(1/2), 35, 36/37/39, 45, 60, 61
Conc	<i>Note 1</i> Conc >= 1% T: R21, 25, 36/38, 48/23/25 Conc >= 0.25% and < 1% Xn: R22, 48/20/22

tricalcium diphosphide
calcium phosphide

CAS	001305-99-3
Index	015-003-00-2
Class'n	F: R15/29 T+: R28 N: R50
Label	F, T+, N R15/29, 28, 50 S(1/2), 22, 43, 45, 61 215-142-0

trichlorfon (ISO)

dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate	
CAS	000052-68-6
Index	015-021-00-0
Class'n	Xn: R22 R43
Label	Xn R22, 43 S(2), 24, 37 200-149-3

trichloroacetic acid

CAS	000076-03-9
Index	607-004-00-7
Class'n	C: R35 N: R50, 53
Label	C, N R35, 50/53 S(1/2), 26, 36/37/39, 45, 60, 61 200-927-2
Conc	Conc >= 10% C: R35 Conc >= 5% and < 10% C: R34 Conc >= 1% and < 5% Xi: R36/37/38

trichloroacetonitrile

CAS	000545-06-2
Index	608-002-00-9
Class'n	T: R23/24/25 N: R51, 53
Label	T, N R23/24/25, 51/53 S(1/2), 45, 61 208-885-7

S-2,3,3-trichloroallyl diisopropylthiocarbamate
tri-allate (ISO)

CAS	002303-17-5
Index	006-039-00-X
Class'n	Xn: R22, 48/22 R43 N: R50, 53
Label	Xn, N R22, 43, 48/22, 50/53 S(2), 24, 37, 60, 61 218-962-7

1,2,4-trichlorobenzene

CAS	000120-82-1
Index	602-087-00-6
Class'n	Xn: R22 Xi: R38 N: R50, 53
Label	Xn, N R22, 38, 50/53 S(2), 23, 37/39, 60, 61 204-428-0

2,3,6-trichlorobenzoic acid

2,3,6-TBA (ISO)	
CAS	000050-31-7
Index	607-152-00-2
Class'n	Xn: R22 N: R51, 53
Label	Xn, N R22, 51/53 S(3, 61 200-026-4

1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane

DDT (common name not adopted by ISO)	
clofenotane (INN)	
dicophane	
dichlorodiphenyltrichloroethane	
CAS	000050-29-3
Index	602-045-00-7
Class'n	T: R25, 48/25 Carc Cat 3: R40 N: R50, 53
Label	T, N R25, 40, 48/25, 50/53 S(1/2), 22, 36/37, 45, 60, 61 200-024-3

2,2,2-trichloro-1,1-bis(4-chlorophenyl)ethanol

dicofol (ISO)	
CAS	000115-32-2
Index	603-044-00-4
Class'n	Xn: R21/22 Xi: R38 R43 N: R50, 53
Label	Xn, N R21/22, 38, 43, 50/53 S(2), 36/37, 60, 61 204-082-0

2,3,4-trichlorobut-1-ene

CAS	002431-50-7
Index	602-076-00-6
Class'n	Carc Cat 3: R40 T: R23 Xn: R22 Xi: R36/37/38 N: R50, 53
Label	T, N R22, 23, 36/37/38, 40, 50/53 S(1/2), 36/37, 45, 60, 61 219-397-9
Conc	Conc >= 25% T: R22, 23, 36/37/38, 40 Conc >= 20% and < 25% Xn: R20, 36/37/38, 40 Conc >= 3% and < 20% Xn: R20, 40 Conc >= 0.1% and < 3% Xn: R40

1,1,1-trichloroethane *Note F*

methyl chloroform	
CAS	00007-55-6
Index	602-013-00-2
Class'n	Xn: R20 N: R59
Label	Xn, N R20, 59 S(2), 24/25, 59, 61 200-756-3

1,1,2-trichloroethane

CAS 000079-00-5
 Index 602-014-00-8
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2), 9
 201-166-9
 Conc Conc >= 5% Xn: R20/21/22

**2,2,2-trichloroethane-1,1-diol
chloralhydrate**

CAS 000302-17-0
 Index 605-014-00-6
 Class'n T: R25 Xi: R36/38
 Label T
 R25, 36/38
 S(1/2), 25, 45
 206-117-5

■ trichloroethene**trichloroethylene**

CAS 000079-01-6
 Index 602-027-00-9
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 R67 Xi:
 R36/38 R52, 53
 Label T
 R45, 36/38, 52/53, 67
 S53, 45, 61
 201-167-4

**n trichloroethylene
trichloroethene**

CAS 000079-01-6
 Index 602-027-00-9
 Class'n Carc Cat 2: R45 Muta Cat 3: R68 R67 Xi:
 R36/38 R52, 53
 Label T
 R45, 36/38, 52/53, 67
 S53, 45, 61
 201-167-4

(R)-1,2-O-(2,2,2-trichloroethylidene)-a-D-glucofuranose**chloralose (INN)****glucochloralose****anhydroglucochloral**

CAS 015879-93-3
 Index 605-013-00-0
 Class'n Xn: R20/22
 Label Xn
 R20/22
 S(2), 16, 24/25, 28
 240-01 6-7

trichloroisocyanuric acid**symclosene****trichloro-1,3,5-triazinetriol**

CAS 000087-90-1
 Index 613-031-00-5
 Class'n O: R8 Xn: R22 R31 Xi: R36/37 N: R50,53
 Label O, Xn, N
 R8, 22, 31, 36/37, 50/53
 S(2), 8, 26, 41, 60, 61
 201-782-8

trichloromethane**chloroform**

CAS 000067-66-3
 Index 602-006-00-4
 Class'n Xn: R22, 48/20/22 Xi: R38 Carc Cat 3: R40
 Label Xn
 R22, 38, 40, 48/20/22
 S(2), 36/37
 200-663-8
 Conc Conc >= 20% Xn: R22, 38, 40, 48/20/22
 Conc >= 5% and < 20% Xn: R22, 40, 48/20/22
 Conc >= 1% and < 5% Xn: R40

trichloro(methyl)silane**methyltrichlorosilane**

CAS 000075-79-6
 Index 014-004-00-5
 Class'n R14 F: R11 Xi: R36/37/38
 Label F, Xi
 R11, 14, 36/37/38
 S(2), 26, 39
 200-902-6
 Conc Conc >= 1% Xi: R36/37/38

**■ N-(trichloromethylthio)phthalimide
folpet (ISO)**

CAS 000133-07-3
 Index 613-045-00-1
 Class'n Carc Cat 3: R40 Xn: R20 Xi: R36 R43 N: R50
 Label Xn, N
 R20, 36, 40, 43, 50
 S(2), 36/37, 46, 61
 205-088-6

trichloronate (ISO)**O-ethylO-2,4,5-trichlorophenylethylphosphonothioate**

CAS 000327-98-0
 Index 015-098-00-0
 Class'n T+: R28 T: R24 N: R50, 53
 Label T+, N
 R24, 28, 50/53
 S(1/2), 23, 28, 36/37, 45, 60, 61
 206-326-1

trichloronitromethane**chloropicrin**

CAS 000076-06-2
 Index 610-001-00-3
 Class'n Xn: R22 T+: R26 Xi: R36/37/38
 Label T+
 R22, 26, 36/37/38
 S(1/2), 36/37, 38, 45
 200-930-9

2,4,5-trichlorophenol

CAS 000095-95-4
 Index 604-017-00-X
 Class'n Xn: R22 Xi: R36/38 N: R50,53
 Label Xn, N
 R22, 36/38, 50/53
 S(2), 26, 28, 60, 61
 202-467-8
 Conc Conc >= 20% Xn: R22, 36/38
 Conc >= 5% and < 20% Xi: R36/38

2,4,6-trichlorophenol

CAS 000088-06-2
 Index 604-01 8-00-5
 Class'n Carc Cat 3: R40 Xn: R22 Xi: R36/38 N: R50,53
 Label Xn,N
 R22, 36/38, 40, 50/53
 S(2), 36/37, 60, 61
 201-795-9

2,4,5-trichlorophenoxy acetic acid

2,4,5-T
 CAS 000093-76-5
 Index 607-041 -00-9
 Class'n Xn: R22 Xi: R36/37/38 N: R50,53
 Label Xn,N
 R22, 36/37/38, 50/53
 S(2), 24, 60, 61
 202-273-3

2,4,5-trichlorophenoxy acetic acid, salts and esters of Note A
2,4,5-T, salts and esters of

Index 607-042-00-4
 Class'n Xn: R22 Xi: R36/37/38 N: R50,53
 Label Xn, N
 R22, 36/37/38, 50/53
 S(2), 24, 60, 61

2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate
erbon

CAS 000136-25-4
 Index 607-077-00-5
 Class'n Xn: R22 N: R51,53
 Label Xn,N
 R22, 51/53
 S(2),61

2-(2,4,5-trichlorophenoxy)propionic acid
fenoprop

CAS 000093-72-1
 Index 607-047-00-1
 Class'n Xn: R22 Xi: R38 N: R50,53
 Label Xn, N
 R22, 38, 50/53
 S(2), 37, 60, 61
 202-271 -2

2-(2,4,5-trichlorophenoxy)propionic acid, salts of Note A
fenoprop, salts of

Index 607-048-00-7
 Class'n Xn: R20/21/22 N: R50,53
 Label Xn,N
 R20/21/22, 50/53
 S(2), 13, 60, 61

2,3,6-trichlorophenylacetic acid

chlorfenac
 CAS 000085-34-7
 Index 607-074-00-9
 Class'n Xn:R22 N:R51,53
 Label Xn,N
 R22, 51/53
 S(2), 36,61
 201-599-3

1,2,3-trichloropropane NoteD

CAS 000096-18-4
 Index 602-062-00-X
 Class'n Xn: R20/21/22
 Label Xn
 R20/21/22
 S(2), 37/39
 202-486-1

2,3,5-trichloropyridine

CAS 016063-70-0
 Index 613-153-00-9
 Class'n R52, 53
 Label R52/53
 S61
 407-270-2

trichlorosilane

CAS 010025-78-2
 Index 014-001-00-9
 Class'n F+:R12 R14 F: R17 Xn:R20/22 R29 C:
 R35
 Label F+, C
 R12, 14, 17, 20/22, 29, 35
 S(2), 7/9, 16, 26, 36/37/39, 43, 45
 233-042-5
 Conc Conc >= 10% C: R20/22, 35
 Conc >= 5% and < 10% C:R34
 Conc >= 1% and < 5% Xi: R36/37/38

a,a,a-trichlorotoluene Note E

benzotrighloride
 CAS 000098-07-7
 Index 602-038-00-9
 Class'n Carc Cat 2: R45 T: R23 Xn: R22 Xi: R37/38,41
 Label T
 R45, 22, 23, 37/38, 41
 S53, 45
 202-634-5

2,4,6-trichloro-1,3,5-triazine

cyanuricchloride
 CAS 000108-77-0
 Index 613-009-00-5
 Class'n Xi: R36/37/38
 Label Xi
 R36/37/38
 S(2),28
 203-614-9

trichloro-1,3,5-triazinetriion

symclosene
 trichloroisocyanuric acid
 CAS 000087-90-1
 Index 613-031 -00-5
 Class'n O: R8 Xn: R22 R31 Xi: R36/37 N: R50,53
 Label O, Xn, N
 R8, 22, 31, 36/37, 50/53
 S(2), 8, 26, 41, 60, 61
 201-782-8

tricresyl phosphate (m-m-m,m-m-p,m-p-p,p-p-p) Note C

tritoyl phosphate
 CAS 000078-32-0
 Index 015-016-00-3
 Class'n Xn: R21/22 N: R51, 53
 Label Xn,N
 R21/22, 51/53
 S(2), 28, 61
 201-105-6
 Conc Conc >= 5% Xn: R21/22

■ tricresyl phosphate (o-o-o,o-o-m,o-o-p,o-m-m,o-m-p,o-p-p) Note C

tritoyl phosphate
 CAS 000078-30-8
 Index 015-015-00-8
 Class'n T: R39/23/24/25 N: R51, 53
 Label T, N
 R39/23/24/25, 51/53
 S(1/2), 20/21, 28, 45, 61
 201-103-5
 Conc Conc >= 1% T: R39/23/24/25
 Conc >= 0.2% and < 1% Xn: R68/20/21/22

tricyclazole

5-methyl-1,2,4-thiazolo(3,4-b)benzo-1,3-thiazole
 CAS 041814-78-2
 Index 611-007-00-9
 Class'n Xn: R22
 Label Xn
 R22
 S(2)
 255-559-5

S-(tricyclo(5.2.1.0².6)deca-3-en-8(or9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate

Index 015-146-00-0
 Class'n N: R50, 53
 Label N
 R50/53
 S60, 61
 401-850-9

1-(tricyclohexylstannyl)-1H-1,2,4-triazole azocyclotin

CAS 041083-11-8
 Index 050-019-00-3
 Class'n T+: R26 T R25 Xi: R37/38, 41 N: R50, 53
 Label T+,N
 R25, 26, 37/38, 41, 50/53
 S(1/2), 26, 28, 36/37/39, 38, 45, 60, 61
 255-209-1

tri(cyclohexyl)tin hydroxide

cyhexatin (ISO)
 hydroxytricyclohexylstannane
 CAS 013121-70-5
 Index 050-002-00-0
 Class'n Xn: R20/21/22 N: R50, 53
 Label Xn,N
 R20/21/22, 50/53
 S(2), 13, 60, 61
 236-049-1

tridemorph (ISO) Note E

2,6-dimethyl-4-tridecylmorpholine
 CAS 024602-86-6
 Index 613-020-00-5
 Class'n ReprCat2: R61 Xn: R20/22 Xi: R38 N: R50, 53
 Label T,N
 R61, 20/22, 38, 50/53
 S53, 45, 60, 61
 246-347-3

triethoxyisobutylsilane

CAS 017980-47-1
 Index 014-007-00-1
 Class'n Xi:R38
 Label Xi
 R38
 S(2), 24
 402-810-3

triethylamine

CAS 000121-44-8
 Index 612-004-00-5
 Class'n F:R11 Xn: R20/21/22 C: R35
 Label F,C
 R11, 20/21/22, 35
 S(1/2), 3, 16, 26, 29, 36/37/39, 45
 204-469-4
 Conc Conc >= 25% C: R20/21/22, 35
 Conc >= 10% and < 25% C: R35
 Conc >= 5% and < 10% C: R34
 Conc >= 1% and < 5% Xi: R36/37/38

triethylene glycol diacrylate Note D

2,2'-(ethylenedioxy)diethyl diacrylate
 CAS 001680-21-3
 Index 607-126-00-0
 Class'n Xi: R36/38 R43
 Label Xi
 R36/38, 43
 S(2), 26, 28
 216-853-9
 Conc Conc >= 20% Xi: R36/38, 43
 Conc >= 1% and < 20% Xi: R43

triethylenetetramine

3,6-diazaoctanethylenediamin
 CAS 000112-24-3
 Index 612-059-00-5
 Class'n Xn: R21 C: R34 R43 R52, 53
 Label C
 R21, 34, 43, 52/53
 S(1/2), 26, 36/37/39, 45, 61
 203-950-6
 Conc Conc >= 25% C: R21, 34, 43
 Conc >= 10% and < 25% C: R34, 43
 Conc >= 5% and < 10% Xi: R36/38, 43
 Conc >= 1% and < 5% Xi: R43

triethyl phosphate

CAS 000078-40-0
 Index 015-013-00-7
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 25
 201-114-5

triethyltin compounds, with the exception of those specified elsewhere in the Approved Supply List Note A

Index	050-006-00-2
Class'n	T+: R26/27/28 N; R50, 53
Label	T+, N R26/27/28, 50/53 S(1/2), 26, 27, 28, 45, 60, 61
Conc	<small>Note 1</small> Conc >= 0.5% T+: R26/27/28 Conc >= 0.1% and < 0.5% T: R23/24/25 Conc >= 0.05% and < 0.1% Xn: R20/21/22

trifenmorph (ISO)

4-tritylmorpholine	
CAS	001420-06-0
Index	613-052-00-X
Class'n	Xn: R22 N: R50, 53
Label	Xn, N R22, 50/53 S(2), 60, 61 215-812-2

trifluoroacetic acid ... % Note B

CAS	000076-05-1
Index	607-091-00-1
Class'n	Xn: R20 C: R35 R52, 53
Label	C R20, 35, 52/53 S(1/2), 9, 26, 27, 28, 45, 61 200-929-3
Conc	Conc >= 10% C: R20, 35 Conc >= 5% and < 10% C: R34 Conc >= 1% and < 5% Xi: R36/38

- **a,a,a**-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA)
 - trifluralin (ISO) (containing < 0.5 ppm NPDA)
 - 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)
 - N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)
- | | |
|---------|--|
| CAS | 001582-09-8 |
| Index | 609-046-00-1 |
| Class'n | Xi: R36 R43 N: R50, 53 |
| Label | Xi, N
R36, 43, 50/53
S(2), 24, 37, 60, 61
216-428-8 |

● trifluoroiodomethane

trifluoromethyl iodide	
CAS	002314-97-8
Index	602-086-00-0
Class'n	Muta Cat 3: R68
Label	Xn R68 S(2), 36/37 219-014-5

● trifluoromethyl iodide

trifluoroiodomethane	
CAS	002314-97-8
Index	602-086-00-0
Class'n	Muta Cat 3: R68
Label	Xn R68 S(2), 36/37 215-014-5

3'-trifluoromethylisobutyranilide

CAS	001939-27-1
Index	616-048-00-6
Class'n	Xn: R48/22 N: R51, 53
Label	Xn, N R48/22, 51/53 S(2), 22, 36, 61 406-740-4

1,1,1-trifluoro-N-(4-phenylsulphonyl-o-tolyl) methanesulphonamide

perfluidone	
CAS	037924-13-3
Index	616-019-00-8
Class'n	Xn: R22 Xi: R36
Label	Xn R22, 36 S(2) 253-718-3

a,a,a-trifluorotoluene

benzotrifluoride	
CAS	000098-08-8
Index	602-056-00-7
Class'n	F: R11 N: R51, 53
Label	F, N R11, 51/53 S(2), 16, 23, 61 202-635-0

■ trifluralin (ISO) (containing < 0.5 ppm NPDA)

a,a,a -trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA)	
2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)	
N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)	
CAS	001582-09-8
Index	609-046-00-1
Class'n	Xi: R36 R43 N: R50, 53
Label	Xi, N R36, 43, 50/53 S(2), 24, 37, 60, 61 216-428-8

mixture of
trihexadecylmethylammonium chloride
and
dihexadecyldimethylammonium chloride

Index	612-156-00-2 (see Part III)
Class'n	Xi: R41 N: R50, 53
Label	Xi, N R41, 50/53 S(2), 26, 39, 60, 61 405-620-9

1,2,3-trihydroxybenzene
pyrogallol
CAS 000087-66-1
Index 604-009-00-6
Class'n MutaCat3: R68 Xn: R20/21/22 R52,53
Label Xn
R20/21/22,52/53,68
5(2),36/37,61
201-762-9
Conc Conc >= 10% Xn: R20/21/22,68
Conc >= 1% and < 10% Xn: R68

triisopropanolamine
1,1',1''-nitriлотripropan-2-01
CAS 000122-20-3
Index 603-097-00-3
Class'n Xi:R36 R52,53
Label Xi
R36,52/53
S(2), 26, 61
204-528-4

trilead bis(orthophosphate) Note E
CAS 007446-27-7
Index 082-006-00-3
Class'n ReprCat1: R61 ReprCat3: R62 Xn: R48/22
R33 N:R50,53
Label T, N
R61,33,48/22,50/53,62
S53,45,60,61
231-205-5
Conc Note1

• mixture of
trilithium 4-amino-3-((4-((4-((4-amino-2-
hydroxyphenyl)azo)phenyl)amino)-3-sulfophenyl)azo)
-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulfonate
and
trilithium 4-amino-3-((4-((4-((2-amino-4-
hydroxyphenyl)azo)phenyl)amino)-3-sulfophenyl)azo)
-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulfonate
Index 611-088-00-0 (see Part III)
Class'n Xn:R22 Xi:R41 R52,53
Label Xn
R22,411, 52/53
S(2), 22, 26, 39, 61
411-890-9

• mixture of
trilithium 4-amino-3-((4-((4-((2-amino-4-
hydroxyphenyl)azo)phenyl)amino)-3-sulfophenyl)azo)
-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulfonate
and
trilithium 4-amino-3-((4-((4-((4-amino-2-
hydroxyphenyl)azo)phenyl)amino)-3-sulfophenyl)azo)
-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulfonate
Index 611-088-00-0 (See Part III)
Class'n Xn:R22 Xi:R41 R52,53
Label Xn
R22,41,52/53
S(2), 22,26,39,61
411-890-9

trilithium-1-hydroxy-7-(3-sulfonato)2-(3-methyl-4-
(2-methoxy-4-(3-sulfonatophenylazo)phenyl~)
phenylazo)naphthalene-3-sulfonate
CAS 117409-78-6
Index 611-013-00-1
Class'n E:R2 N:R51,53
Label EN
R2,51/53
S(2), 35,61
403-650-7

■ trimagnesium diphosphide
magnesium phosphide
CAS 012057-74-8
Index 015-005-00-3
Class'n F:RI5129 T+:R28 N:R50
Label F,T+,N
R15/29,28,50
S(1/2), 22,43,45,61
235-023-7

trimellitic anhydride
benzene-1,2,4-tricarboxylic acid 1,2-anhydride
CAS 000552-30-7
Index 607-097-00-4
Class'n Xi:R37,41 R42/43
Label Xn
R37,41,42/43
S(2),22,26,36/37/39
209-008-0

S-(3-trimethoxysilyl)propyl 19-isocyanato-11-(6-
isocyanatohexyl)-10,12-dioxo-2,9,11,13-
tetraazonadecanethioate
CAS 085702-90-5
Index 607-184-00-7
Class'n RIO R42/43
Label Xn
R10,42/43
S(2), 23,24,37
402-290-8

2-(trimethylammonium)ethoxycarboxybenzene-4-sulfonate
Index 607-298-00-7
Class'n R43
Label Xi
R43
S(2),22,36/37
411-010-3

N,N,N-trimethylanilinium chloride
CAS 000138-24-9
Index 612-124-00-8
Class'n T: R24/25
Label T
R24/25
S(1/2), 25,39,45,53
205-319-0

1,3,5-trimethylbenzene

mesitylene

CAS 000108-67-8
 Index 601-025-00-5
 Class'n R10 Xi: R37 N: R51,53
 Label Xi,N
 R10, 37, 51/53
 S(2), 61
 203-604-4
 Conc Conc >= 25% Xi: R37

1,2,4-trimethylbenzene

CAS 000095-63-6
 Index 601-043-00-3
 Class'n R10 Xn: R20 Xi: R36/37/38 N: R51,53
 Label Xn,N
 R10, 20, 36/37/38, 51/53
 S(2),26,61
 202-436-9

2,4,6-trimethylbenzophenone

CAS 000954-16-5
 Index 606-044-00-2
 Class'n Xn: R22 Xi: R36 N: R50,53
 Label Xn,N
 R22, 36, 50/53
 S(2), 26, 60, 61
 403-150-9

1,7,7-trimethylbicyclo(2,2,1)hept-2-yl thiocyanatoacetate
isobornyl thiocyanacetate

CAS 000115-31-1
 Index 615-015-00-3
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24/25
 204-081-5

trimethyl borate

CAS 000121-43-7
 Index 005-005-00-1
 Class'n R10: Xn: R21
 Label Xn
 R10,21
 S(2), 23, 25
 204-468-9

● mixture of

2,6,9-trimethyl-2,5,9-cyclododecatrien- 1-ol

and

6,9-dimethyl-2-methylen-5,9-cyclododecadien- 1-ol

CAS 111850-00-1
 Index 603-144-00-8 (see Part III)
 Class'n N: R51,53
 Label N
 R51/53
 S61
 413-530-6

3,5,5-trimethylcyclohex-2-enone

isophorone

CAS 000078-59-1
 Index 606-012-00-8
 Class'n Carc Cat 3: R40 Xn: R21/22 Xi: R36/37
 Label Xn
 R21/22, 36/37, 40
 S(21, 13, 23, 36/37/39, 46
 201-126-0
 Conc Conc >= 25% Xn: R21/22, 36/37, 40
 Conc >= 10% and < 25% Xn: R36/37, 40
 Conc >= 1% and < 10% Xn:R40

● mixture of

7,7,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahexadecan-1,16-diylprop-2-enoate

and

7,9,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahexadecane-1,16-diyl-prop-2-enoate

CAS 052658-19-2
 Index 616-087-00-9 (see Part III)
 Class'n Xi: R36 R43 N: R51,53
 Label Xi,N
 R36, 43, 51/53
 S(2), 26, 36/37, 61
 412-260-6

● mixture of

7,9,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahexadecane-1,16-diyl-prop-2-enoate

and

7,7,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahexadecan-1,16-diylprop-2-enoate

CAS 052658-19-2
 Index 616-087-00-9 (see Part III)
 Class'n Xi: R36 R43 N: R51,53
 Label Xi,N
 R36, 43, 51/53
 S(2), 26, 36/37, 61
 412-260-6

trimethylenediaminetetraacetic acid

CAS 001939-36-2
 Index 607-189-00-4
 Class'n Xn: R22 Xi: R36
 Label Xn
 R22, 36
 S(2), 22, 26
 400-400-9

trimethylhexamethylene diamine (a mixture of 2,2,4-trimethyl-1,6-hexanediamine and 2,4,4-trimethyl-1,6-hexanediamine, EINECS listed), Epoxide 8 (mono[C10-C16-alkyloxy)methyl]oxirane derivatives) and p-toluene-sulfonic acid, reaction products of

Index 612-159-00-9
 Class'n Xn: R22 C: R34 N: R50,53
 Label C,N
 R22, 34, 50/53
 S(1/2), 23, 26, 36/37/39, 45, 60, 61
 410-880-1

2,4,4-trimethylhexamethylene-1,6-di-isocyanate Note C

CAS 015646-96-5
 Index 615-010-00-6 (see Part III)
 Class'n T R23 Xi: R36/37/38 R42
 Label T
 R23, 36/37/38, 42
 S(1/2), 26, 28, 38, 45
 239-714-4
 Conc Note 2
 Conc >= 20% T R23, 36/37/38, 42
 Conc >= 2% and < 20% T: R23, 42
 Conc >= 0.5% and < 2% Xn: R20, 42

2,2,4-trimethylhexamethylene-1,6-di-isocyanate Note C

CAS 016938-22-0
 Index 615-010-00-6 (see Part III)
 Class'n T: R23 Xi: R36/37/38 R42
 Label T
 R23, 36/37/38, 42
 S(1/2), 26, 28, 38, 45
 241-001-8
 Conc Note 2
 Conc >= 20% T: R23, 36/37/38, 42
 Conc >= 2% and < 20% T: R23, 42
 Conc >= 0.5% and < 2% Xn: R20, 42

2,3,5-trimethylhydroquinone

CAS 000700-13-0
 Index 604-045-00-2
 Class'n Xn: R20 Xi: R37/38, 41 R43 N: R50, 53
 Label Xn,N
 R20, 37/38, 41, 43, 50/53
 S(2), 24, 26, 37/39, 60, 61
 211-838-3

trimethylolpropane triacrylate Note D

2,2-bis(acryloyloxymethyl)butyl acrylate
 CAS 015625-89-5
 Index 607-111-00-9
 Class'n Xi: R36/38 R43
 Label Xi
 R36/38, 43
 S(2), 39
 239-701-3
 Conc Conc >= 20% Xi: R36/38, 43
 Conc >= 1% and < 20% Xi: R43

2,4,4-trimethylpent-1-ene

CAS 000107-39-1
 Index 601-031-00-8
 Class'n F: R11 N: R51, 53
 Label F,N
 R11, 51/53
 S(2), 9, 16, 29, 33, 61
 203-486-4

a-trimethylsilanyl-omega-trimethylsiloxypoly[oxy(methyl)-3-(2-(2-methoxypropoxy)propoxy)propylsilanediyl]-co-oxy(dimethylsilane)

CAS 069430-40-6
 Index 014-015-00-5
 Class'n R53
 Label R53
 S61
 406-420-4

trimethyltin compounds, with the exception of those specified elsewhere in the Approved Supply List Note A

Index 050-005-00-7
 Class'n Tt: R26/27/28 N: R50, 53
 Label T+,N
 R26/27/28, 50/53
 S(1/2), 26, 27, 28, 45, 60, 61
 Conc Note 1
 Conc >= 0.5% T+: R26/27/28
 Conc >= 0.1% and < 0.5% T: R23/24/25
 Conc >= 0.05% and < 0.1% Xn: R20/21/22

4,8,12-trimethyltrideca-3,7,11-trienoic acid, mixed isomers

CAS 091853-67-7
 Index 607-208-00-6
 Class'n Xi: R38 N: R50, 53
 Label Xi,N
 R38, 50/53
 S(2), 37/39, 60, 61
 403-000-2

**2,4,6-trimethyl-1,3,5-trioxan
paraldehyde**

CAS 000123-63-7
 Index 605-004-00-1
 Class'n F: R11
 Label F
 R11
 S(2), 9, 16, 29, 33
 204-639-8

trinickel disulphide

nickel subsulphide
 CAS 012035-72-2
 Index 028-007-00-4
 Class'n Carc Cat 1: R49 R43 N: R51, 53
 Label T,N
 R49, 43, 51/53
 S53, 45, 61
 234-829-6

2,4,6-trinitroanisole

CAS 000606-35-9
 Index 60-011-00-0
 Class'n E: R2 Xn: R20/21/22 N: R51, 53
 Label E,Xn,N
 R2, 20/21/22, 51/53
 S(2), 35, 61

1,3,5-trinitrobenzene

CAS 000099-35-4
 Index 609-005-00-8
 Class'n E: R2 T+: R26/27/28 R33 N: R50, 53
 Label E,T+,N
 R2, 26/27/28, 33, 50/53
 S(1/2), 35, 45, 60, 61
 202-752-7

2,4,6-trinitro-m-cresol

CAS 000602-99-3
 Index 609-012-00-6
 Class'n E: R2 R4 Xn: R20/21/22
 Label E,Xn
 R2, 4, 20/21/22
 S(2), 35
 210-027-1

2,4,6-trinitrophenol

picric acid

CAS 000088-89-1

Index 609-009-00-X

Class'n E:R2 R4 T:R23/24/25

Label ET

R2,4,23/24/25

S(1/2), 28,35,37,45

201-865-9

2,4,6-trinitroresorcinol

styphnic acid

CAS 000082-71-3

Index 609-018-00-9

Class'n E:R2 R4 Xn:R20/21/22

Label E, Xn

R2,4,20/21/22

S(2),35

201-436-6

2,4,6-trinitrotoluene

TNT

CAS 000118-96-7

Index 609-008-00-4

Class'n E:R2 T:R23/24/25 R33 N:R51,53

Label E,T,N

R2,23/24/25,33,51/53

S(1/2), 35,45,61

204-289-6

2,4,6-trinitro-m-xylene

CAS 000632-92-8

Index 609-013-00-1

Class'n E:R2 Xn:R20/21/22 R33

Label E, Xn

R2,20/21/22,33

S(2),35

211-187-5

8,9,10-trinorborn-5-ene-2,3-dicarboxylic anhydride Note C

1,2,3,6-tetrahydro-3,6-methanophthalic anhydride

(1 α ,2 α ,3 β ,6 β)-1,2,3)-1,2,3,6-tetrahydro-3,6-methanophthalic anhydride

CAS 000129-64-6

Index 607-105-00-6

Class'n Xi: R41 R42/43

Label Xn

R41,42/43

S(2),22,24,26,37/39

204-957-7

8,9,10-trinorborn-2-yl acrylate Note D

CAS 010027-06-2

Index 607-121-00-3

Class'n Xn:R21 Xi:R38 R43

Label Xn

R21,38,43

S(2),28

Conc Conc >= 25% Xn: R21,38,43

Conc >= 10% and <25% Xi: R38,43

Conc >= 1% and <10% Xi:R43

mixture of

trioctylphosphineoxide

and

hexyldioctylphosphine oxide

and

dihexyloctylphosphineoxide

Index 015-149-00-7 (see Part III)

Class'n C:R34 N:R50,53

Label CN

R34,50/53

S(1/2), 26,36/37/39,45,60,61

403-470-9

• trioctylstannane

CAS 000869-59-0

Index 050-020-00-9

Class'n T:R48/25 Xi:R38 R53

Label T

R38,48/25,53

S(1/2),23,36/37,45,61

413-320-4

■ trioctyltin compounds, with the exception of those specified elsewhere in the Approved Supply List Note A

index 050-013-00-0

Class'n Xi:R36/37/38 R53

Label Xi

R36/37/38,53

W, 61

Conc Note 1

Conc >= 1% Xi: R36/37/38

1,3,5-trioxan

trioxymethylene

CAS 000110-88-3

Index 605-002-00-0

Class'n Xn: R22

Label Xn

R22

S(2), 24/25

203-812-5

5-(3,6,9-trioxa-2-undecyloxy)benzo(d)-1,3-dioxolane
sesamex

CAS 000051-14-9

Index 613-064-00-5

Class'n XnR22

Label Xn

R22

S(2)

trioxymethylene

1,3,5-trioxan

CAS 000110-88-3

Index 605-002-00-0

Class'n XnR22

Label Xn

R22

S(2), 24/25

203-812-5

triphenyl phosphite

CAS 000101-02-0
 Index 015-105-00-7
 Class'n Xi: R36/38 N: R50,53
 Label Xi, N
 R36/38, 50/53
 S(2), 28, 60, 61
 202-908-4
 Conc Conc >= 5% Xi: R36/38

triphenyltin acetate

fentin acetate (ISO)
 CAS 000900-95-8
 Index 050-003-00-6
 Class'n Carc Cat3: R40 ReprCat3: R63 T+: R26 T
 R24/25, 48/23 Xi: R37/38, 41 N: R50, 53
 Label T+N
 R24/25, 26, 37/38, 40, 41, 48/23, 50/53, 63
 S(1/2), 26, 28, 36/37/39, 45, 60, 61
 212-984-0

triphenyltin compounds, with the exception of those specified elsewhere in the Approved Supply List Note A

Index 050-011-00-X
 Class'n T: R23/24/25 N: R50,53
 Label TN
 R23/24/25, 50/53
 S(1/2), 26, 27, 28, 45, 60, 61
 Conc Notel
 Conc >= 1% T: R23/24/25
 Conc >= 0.25% and < 1% Xn: R20/21/22

triphenyltin hydroxide

fentin hydroxide (ISO)
 CAS 000076-87-9
 Index 050-004-00-1
 Class'n Carc Cat3: R40 ReprCat3: R63 T+: R26 T:
 R24/25, 48/23 Xi: R37/38, 41 N: R50, 53
 Label T+, N
 R24/25, 26, 37/38, 40, 41, 48/23, 50/53, 63
 S(1/2), 26, 28, 36/37/39, 45, 60, 61
 200-990-6

tripropylene glycol diacrylate

(1-methyl-1,2-ethanediy)bis[oxy(methyl-2,l-ethanediy)]
 diacrylate
 TPGDA
 CAS 042978-66-5
 Index 607-249-00-X
 Class'n Xi: R36137138 R43 N: R51,53
 label Xi, N
 R36/37/38, 43, 51/53
 S(2), 24,37, 61
 256-032-2
 Conc Conc >= 10% Xi: R36/37/38,43
 Conc >= 1% and < 10% Xi:R43

tripropyltin compounds, with the exception of those specified elsewhere in the Approved Supply List Note A

Index 050-007-00-8
 Class'n T: R23/24/25 N: R50,53
 Label TN
 R23/24/25,50153
 S(1/2), 26, 27, 28, 45, 60, 61
 Conc Note 1
 Conc >= 0.5% T R23/24/25
 Conc >= 0.1% and < 0.5% Xn: R20/21/22

1,3,5-tris-[(2S and 2R)-2,3-epoxypropyl]- 1,3,5-triazine-2,4,6-(1H,3H,5H)-trione Note E

CAS 059653-74-6
 Index 616-091-00-0
 Class'n MutaCat2: R46 T: R23 Xn: R22,48/22 Xi:
 R41 R43
 Label T
 R46, 22, 23, 41, 43, 48/22
 S53,45
 423-400-0

tris(2-chloroethyl) phosphate

CAS 000115-96-8
 Index 015-102-00-0
 Class'n Carc Cat3: R40 Xn: R22 N: R51,53
 Label XnN
 R22, 40, 51/53
 S(2), 36/37, 61
 204-118-5

(tris(chloromethyl)phthalocyaninato)copper(II),reaction products with N-methylpiperazine and methoxyacetic acid

Index 029-005-00-6
 Class'n Xi: R36
 Label Xi
 R36
 S(2), 26
 401 -260-1

O,O,O-tris(2(or 4)-C9-10-isoalkylphenyl) phosphorothioate

Index 015-171-00-7
 Class'n N: R51,53
 Label N
 R51/53
 S61
 406-940-1

2,4,6-tris(dimethylaminomethyl)phenol

CAS 000090-72-2
 Index 603-069-00-0
 Class'n Xn: R22 Xi: R36138
 Label Xn
 R22,36/38
 S(2), 26,28
 202-013-9

tris(1-dodecyl-3-methyl-2-phenylbenzimidazoliu) hexacyanoferrate

CAS 007276-58-6
 Index 615-014-00-8
 Class'n Xn: R22
 Label Xn
 R22
 S(2), 24

tris(2-(2-hydroxyethoxy)ethyl)ammonium3-acetoacetamido-4-methoxybenzenesul fonate

Index 61 6-027-00-1
 Class'n R43
 Label Xi
 R43
 S(2), 24, 37
 403-760-5

1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol
CAS 00471 9-04-4
Index 613-114-00-6
Class'n Xn:R22 R43
Label Xn
R22,43
S(2),24,37
225-208-0
Conc Conc >= 25% Xn: R22,43
Conc >= 0.1 % and C 25% Xi: R43

• tris(isopropenyloxy)phenyl silane
CAS 052301-18-5
Index 014-021-00-8
Class'n N:R50,53
Label N
R50/53
S60,61
411-340-8

tris(isopropyl/tert-butylphenyl) phosphate
Index 015-151-00-8
Class'n N:R51,53
Label N
R51/53
S61
405-01 0-2

tris(octadec-9-enylammonium)
(trisulfonatophthalocyaninato)copper(II)
Index 029-006-00-1
Class'n Xi:R41 N:R51,53
Label Xi,N
R41,51/53
S(2),22,26,39,61
403-21 0-4

• trisodium [4'-(8-acetylamino-3,6-disulfonato-2-naphthylazo)-4''-(6-benzoylamino-3-sulfonato-2-naphthylazo)-biphenyl-1,3',3'',1'''-tetraolato-O,O',O'',O''']copper(II)
Index 611-063-00-4
Class'n CarcCat2:R45
Label T
R45
S53,45
413-590-3

trisodium 5-amino-3-5-(2-bromoacryloylamino)-2-sulfonatophenylazo]-4-hydroxy-6-(4-vinylsulfonylphenylazo)naphthalene-2,7-disulfonate
CAS 136213-71-3
Index 611-042-00-X
Class'n R52, 53
Label R52/53
S61
411-770-6

trisodium-3-amino-6,13-dichloro-10-((3-((4-chloro-6-(2-sulfophenylamino)-1,3,5-triazin-2-yl)amino)propyl)amho)-4,11-triphenoxydioxazinedisulfonate
CAS 136248-03-8
Index 016-071-00-6
Class'n R43
Label Xi
R43
S(2), 22,24,37
410-130-3

trisodium(6-anilino-2-(5-nitro-2-oxidophenylazo)-3-sulphonato-1-naphtholato)(4-sulphonato-1,1'-azodi-2,2'naphtholato)chromate(1-)
Index 024-013-00-6
Class'n Xi:R41 N:51,53
Label XiN
R41,51/53
S(2),26,39,61
402-500-8

■ trisodium bis (7-acetamido-2-(4-nitro-2-oxidophenylazo)-3-sulphonato-1-naphtholato)chromate(1-)
Index 024-012-00-0
Class'n MutaCat3:R68
Label Xn
R68
S(2), 22,36/37
400-810-8

• mixture of
trisodiumbis(5-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-)
and
disodium(6-(4-anisidino)-3-sulfonato-2-(3,5dinitro-2-oxidophenylazo)-1-naphtholato)(1-(5-chloro-2-oxidophenylazo)-2-naphtholato)chromate(1-)
Index 611-070-00-2 (see Part III)
Class'n R43 N:R50,53
Label XiN
R43,50/53
S(2), 24,37,60,61
405-665-4

trisodium bis(2-(5-chloro-4-nitro-2-oxidophenylazo)-5-sulfonato-1-naphtholato) chromate(1)
CAS 093952-24-0
Index 024-014-00-1
Class'n Xi:R41 R52,53
Label Xi
R41,52/53
S(2), 26, 39, 61
402-870-0

■ trisodium [2-(S-chloro-2,6-difluoropyrimidin4-ylamino)-S-(b-sulfamoyl-c,d-sulfonatophthalocya-yl-K4,N29,N30,N31,N32-sulfonylamino)benzoato(5-)] cuprate(II) where a=1,2,3,4b=8,9,10,11c=15,16,17,18d=22,23,24,25
Index 607-300-00-6
Class'n Xi: R41 R43
Label Xi
R41,43
S(2), 26,36/37/39
411-430-7

(trisodium 2-((3-(6-(2-chloro-5-sulfonato)anilino)-4-(3-carboxypyridinio)-1,3,5-triazin-2-ylamino)-2-oxido-5-sulfonatophenylazo)phenylmethylazo)-4-sulfonatobenzoato)copper(3-))hydroxide

CAS 089797-01-3

Index 029-007-00-7

Class'n E: R2 R43

Label EXi

R2,43

S(2),22, 24,35,37

404-670-9

mixture of

trisodium 6-(2,4-dihydroxyphenylazo)-3-(4-(4-(7-(2,4-dihydroxyphenylazo)-1-hydroxy-3-sulphonato-2-naphthylazo)adho)-3-sulphonatophenylazo)-4-hydroxynaphthalene-2-sulphonate

and

disodium 6-(2,4-dihydroxyphenylazo)-3-(4-(4-(2,4-dihydroxyphenylazo)anilino)-3-sulphonatophenylazo)-4-hydroxynaphthalene-2-sulphonate

and

disodium 6-(2,4-diaminophenylazo)-3-(4-(4-(2,4-diaminophenylazo)anilino)-3-sulphonatophenylazo)-4-hydroxynaphthalene-2-sulphonate

Index 016-040-00-7 (See Part III)

Class'n Xi: R36

Label Xi

R36

S(2), 26

400-570-4

mixture of

trisodium N(1')-N(2):N(1'')-N(2'')-eta-6,6"-bis[2-amino-4-(or 6)-hydroxy-(or 4-amino-2-hydroxy)phenylazo]-6"- (1-carbaniloyl-2-hydroxyprop-1-enylazo)-5',5'''-disulfamoyl-3,3"-disulfonatobis(naphthalene-2,1'-azobenzene-1,2'-diolato-O(1),O(2'))-chromate { 2parts of }

and

trisodium N(1')-N(2):N(1'')-N(2'')-eta-6,6"-bis(1-carbaniloyl-2-hydroxyprop-1-enylazo)-5',5'''-disulfamoyl-3,3"-disulfonatobis(naphthalene-2,1'-azobenzene-1,2'-diolato-O(1),O(2'))-chromate { 1part of }

and

trisodium N(1')-N(2):N(1'')-N(2'')-eta-6,6"-bis[2-amino-4-(or 6)-hydroxy-(or 4-amino-2-hydroxy)phenylazo]5',5'''-disulfamoyl-3,3"-disulfonatobis(naphthalene-2,1'-azobenzene-1,2'-diolato-O(1),O(2'))-chromate { 1 part of }

Index 611-043-00-5 (see Part III)

Class'n Xi: R41 R52,53

Label Xi

R41,52/53

S(2),26,39,61

402-850-1

mixture of

trisodium N(1')-N(2):N(1'')-N(2'')-eta-6,6"-bis[2-amino-4-(or 6)-hydroxy-(or 4-amino-2-hydroxy)phenylazo]5',5'''-d-sulfamoyl-3,3"-disulfonatobis(naphthalene-2,1'-azobenzene-1,2'-diolato-O(1),O(2'))-chromate { 1 part of }

and

trisodium N(1')-N(2):N(1'')-N(2'')-eta-6-[2-amino-4 (or 6)-hydroxy-(or 4 amino-2-hydroxy) phenylazo]-6"- (1-carbaniloyl-2-hydroxyprop-1-enylazo)-5',5'''-disulfamoyl-3,3"-disulfonatobis(naphthalene-2,1'-azobenzene-1,2'-diolato-O(1),O(2'))-chromate { 2parts of }

and

trisodium N(1')-N(2):N(1'')-N(2'')-eta-6,6"-bis(1-carbaniloyl-2-hydroxyprop-1-enylazo)-5',5'''-disulfamoyl-3,3"-disulfonatobis(naphthalene-2,1'-azobenzene-1,2'-diolato-O(1),O(2'))-chromate { 1part of }

Index 611-043-00-5 (see Part III)

Class'n Xi: R41 R52,53

Label Xi

R41,52/53

S(2),26,39,61

402-850-1

mixture of

trisodium N(1')-N(2):N(1'')-N(2'')-eta-6,6"-bis(1-carbaniloyl-2-hydroxyprop-1-enylazo)-5',5'''-disulfamoyl-3,3"-disulfonatobis(naphthalene-2,1'-azobenzene-1,2'-diolato-O(1),O(2'))-chromate { 1part of }

and

trisodium N(1')-N(2):N(1'')-N(2'')-eta-6-[2-amino-4-(or 6)-hydroxy-(or 4 amino-2-hydroxy) phenylazo]-6"- (1-carbaniloyl-2-hydroxyprop-1-enylazo)-5',5'''-disulfamoyl-3,3"-disulfonatobis(naphthalene-2,1'-azobenzene-1,2'-diolato-O(1),O(2'))-chromate { 2parts of }

and

trisodium N(1')-N(2):N(1'')-N(2'')-eta-6,6"-bis[2-amino-4-(or 6)-hydroxy-(or 4-amino-2-hydroxy)phenylazo]5',5'''-disulfamoyl-3,3"-disulfonatobis(naphthalene-2,1'-azobenzene-1,2'-diolato-O(1),O(2'))-chromate { 1 part of }

Index 611-043-00-5 (See Part III)

Class'n Xi: R41 R52,53

Label Xi

R41,52/53

S(2), 26,39,61

402-850-1

trisodium 7-(4-(6-fluoro-4-(2-(2-vinylsulphonylethoxy)ethylamino)-1,3,5-triazin-2-ylamino)-2-

ureidophenylazo)naphthalene-1,3,6-trisulphonate

CAS 106359-915

Index 016-051-00-7

Class'n R43

Label Xi

R43

S(2), 22,24,37

402-170-5

trisodium hexafluoroaluminate Note C

cryolite

CAS 013775-53-6

Index 009-016-00-2

Class'n T: R48/23/25 Xn: R20/22 N: R51,53

Label T,N

R20/22,48/23/25,51/53

S(1/2), 22,37,45,61

237-410-6

trisodium 1-hydroxynaphthalene-2-azo-4'(5',5"-

dimethylbiphenyl)-4"-azo(4"-

phenylsulfonyloxybenene)-2',2",4-trisulfonate

Index 611-038-00-8

Class'n Xi:R36

Label Xi

R36

S(2), 25,26

406-820-9

1,3,5-tris(oxiranylmethyl)-1,3,5-triazole-2,4,6(IH,3H,5H)-

trione Note E

TGIC

CAS 002451-62-9

Index 615-021-00-6

Class'n Muta Cat 2: R46 T: R23/25 Xn: R48/22 Xi: R41 R43 R52,53

Label T

R46,23/25,41,43,48/22,52/53

S53,45,61

219-514-3

- tris(tetramethylammonium) 5-hydroxy-1-(4-sulphonatophenyl)-4-(4-sulphonatophenylazo)pyrazole-3-carboxylate

CAS 131013-81-5

Index 611-071-00-8

Class'n T:R25 R52,53

Label T

R25,52/53

S(1/2), 37,45,61

406-073-9

- mixture of

tris(3,5,5-trimethylhexylammonium)4-amino-3-(4-(4-amino-2-hydroxyphenylazo)anilino)-3-sulfonatophenylazo)-5,6-dihydro-5-oxo-6-phenylhydrazononaphthalene-2,7-disulfonate { 1 part of }

and

tris(3,5,5-trimethylhexylammonium)4-amino-3-(4-(4-(2-amino-4-hydroxyphenylazo)anilino)-3-sulfonatophenylazo)-5,6-dihydro-5-oxo-6-phenylhydrazononaphthalene-2,7-disulfonate { 2 parts of }

Index 611-075-00-X (See Part III)

Class'n Xi: R41 N: R51, 53

Label Xi,N

R41,51/53

S(2), 26,39,61

406-000-0

- mixture of

tris(3,5,5-trimethylhexylammonium)4-amino-3-(4-(4-(2-amino-4-hydroxyphenylazo)anilino)-3-sulfonatophenylazo)-5,6-dihydro-5-oxo-6-phenylhydrazononaphthalene-2,7-disulfonate { 2 parts of }

and

tris(3,5,5-trimethylhexylammonium) 4-amino-3-(4-(4-(4-amino-2-hydroxyphenylazo)anilino)-3-sulfonatophenylazo)-5,6-dihydro-5-oxo-6-phenylhydrazononaphthalene-2,7-disulfonate { 1 part of }

Index 611-075-00-X (see Part III)

Class'n Xi:R41 N:R51,53

Label XiN

R41,51/53

S(2),26,39,61

406-000-0

- mixture of

tri-(2-tetradecyl)naphthalene isomers

and

mono-(2-tetradecyl)naphthalene isomers

and

di-2-tetradecyl)naphthalene isomers

CAS 132983-41-6

Index 601-055-00-9 (see Part III)

Class'n Xi: R36 R53

Label Xi

R36,53

S(2),26,61

410-190-0

- tritoyl phosphate Note C

tricresyl phosphate (o-o-o,o-o-m,o-o-p,om-m,o-m-p,o-p)

CAS 000078-30-8

Index 015-015-00-8

Class'n T: R39/23/24/25 N: R51,53

Label T,N

R39/23/24/25,51/53

S(1/2), 20/21,28,45,61

201-103-5

Conc Conc >= 1% T: R39/23/24/25

Conc >= 0.2% and < 1% Xn: R68/20/21/22

- tritoyl phosphate Note C

tricresyl phosphate (m-m-m,m-m-p,m-gp,ppp)

CAS 000078-32-0

Index 015-016-00-3

Class'n Xn:R21/22 N:R51,53

Label XnN

R21/22,51/53

S(2),28,61

201-105-6

Conc Conc >= 5% Xn: R21/22

- 4-tritylmorpholine

trifenmorph (ISO)

CAS 001420-06-0

Index 613-052-00-X

Class'n Xn:R22 N:R50,53

Label XnN

R22,50/53

S(2),60,61

215-812-2

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■	trizinc diphosphide
	zinc phosphide
CAS	001314-84-7
Index	015-006-00-9
Class'n	F:R15/29 T+:R28 R32 N:R50,53
Label	F,T+,N
	R15/29,28,32,50/53
	S(1/2), 3/9/14,30,36/37,45,60, 61
	215-244-5
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	troclosene potassium
	troclosene sodium
CAS	002244-215
Index	613-030-00-X
Class'n	0:R8 Xn:R22 R31 Xi:R36/37 N:R50,53
Label	0,Xn,N
	R8,22,31,36/37,50/53
	S(2), 8,26,41,60, 61
	218-828-8
Conc	Conc >= 10% Xn: R22,31,36/37
<hr/>	
	troclosene sodium
	troclosene potassium
CAS	002893-78-9
Index	613-030-00-X
Class'n	0:R8 Xn:R22 R31 Xi:R36/37 N:R50,53
Label	0,Xn,N
	R8,22,31,36/37,50/53
	S(2), 8,26,41, 60,61
	220-767-7
Conc	Conc >= 10% Xn: R22,31, 36/37
<hr/>	
	troclosene sodium, dihydrate
CAS	051580-86-0
Index	613-030-01-7
Class'n	Xn:R22 R31 Xi:R36/37 N:R50,53
Label	Xn,N
	R22,31,36/37,50/53
	S(2), 8,26,41, 60,61
	220-767-7
<hr/>	
	Trypsin
CAS	009002-07-7
Index	647-010-00-7
Class'n	Xi:R36/37/38 R42
Label	Xn
	R36/37/38,42
	S(2), 22,24, 26,36/37
	232-650-8
<hr/>	
•	tungsten hexachloride with 2-methylpropan-2-ol, nonylphenol and pentane-2,4-dione; reaction products of
Index	074-002-00-5
Class'n	F:R11 Xn:R20 C:R34 R43 N:R50,53
Label	F,C,N
	R11,20,34,43,50/53
	S(1/2),16,26,29,33,36/37/39,45,60,61
	408-250-6
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	Turpentine, oil
CAS	008006-64-2
Index	650-002-00-6 (see Part II)
Class'n	R10 Xn:R20/21/22,65 Xi:R36/38 R43 N:
	R51,53
Label	Xn,N
	R10,20/21/22,36/38,43,51/53,65
	S(2), 36/37,46,61,62
	232-350-7
Conc	Note 4
<hr/>	

■	uranium
CAS	007440-611
Index	092-00100-8
Class'n	T+:R26/28 R33 R53
Label	T+
	R26/28,33,53
	S(1/2), 20/21,45, 61
	231-170-6
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uranium compounds Note A

Index	092-002-00-3
Class'n	T+:R26/28 R33 N:R51,53
Label	T+N
	R26/28,33,51/53
	S(1/2), 20/21,45,61
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urethane (INN)

	ethyl carbamate
CAS	00005179-6
Index	607-149-00-6
Class'n	Carc Cat 2: R45
Label	T
	R45
	S53,45
	200-123-1
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valeric acid

CAS	000109-52-4
Index	607-143-00-3
Class'n	C:R34 R52,53
Label	C
	R34,52/53
	S(1/2), 26,36,45,61
	203-677-2
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■ valinamide

CAS	020108-78-5
Index	616-025-00-0
Class'n	Repr Cat3: R62Xi: R36R43
Label	Xn
	R36,43,62
	S(2),26,36/37
	402-840-7
<hr/>	

vamidothion(ISO)

	O,O-dimethyl S-2-(1-methylcarbamoylthio) ethyl phosphorothioate
CAS	002275-23-2
Index	015-059-00-8
Class'n	T:R25Xn:R21N:R50
Label	T, N
	R21,25,50
	S(1/2), 36/37,45,61
	218-894-8
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vanadium (IV) oxide hydrogen phosphate hemihydrate,
lithium, zinc, molybdenum, iron and chlorine-doped

Index 015-162-00-8
Class'n Xn:R20,48/22 Xi:R41 N:R51,53
Label Xn,N
R20,41,48/22,51/53
S(2), 22,26,36/39,61
407-350-7

vanadium pentoxide

divanadium pentaoxide
CAS 001314-62-1
Index 023-001-00-8
Class'n Muta Cat 3: R68 Repr Cat 3: R63 T: R48/23
Xn: R20/22 Xi: R37 N: R51,53
Label T, N
R20/22,37,48/23,51/53,63,68
S(1/2), 36/37,38,45, 61
215-239-8

vanadyl pyrophosphate

CAS 058834-75-6
Index 015-160-00-7
Class'n Xi:R36 R43 R52,53
Label Xi
R36,43,52/53
S(2), 24, 26,37,61
406-260-5

veratrine

sabadilla (ISO)
CAS 008051-02-3
Index 613-062-00-4
Class'n Xi: R36/37/38
Label Xi
R36/37/38
S(2), 36/37/39

vernalate

S-propyl dipropylthiocarbamate.
CAS 001929-77-7
Index 006-066-00-7
Class'n Xn:R22 N:R51,53
Label Xn,N
R22,51/53
S(2),61
217-681-7

• vinclozolin (ISO)

N-3,5-dichlorophenyl-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione
CAS 050471-44-8
Index 607-307-00-4
Class'n Carc Cat 3: R40 Repr Cat 2: R60,61 R43 N:
R51,53
Label TN
R60,61,40,43,51/53
S53,45,61
256-599-6

vinyl acetate NoteD

CAS 0001 08-05-4
Index 607-023-00-0
Class'n F:R11
Label F
R11
S(2), 16,23,29,33
203-545-4

• 9-vinylcarbazole

CAS 001484-13-5
Index 613-169-00-6
Class'n Muta Cat 3: R68 Xn: R21/22 Xi: R38 R43 N:
R50,53
Label Xn,N
R21/22,38,43,50/53,68
S22,23,36/37,60,61
216-055-0

vinyl chloride NoteD

chloroethylene
CAS 000075-01-4
Index 602-023-00-7
Class'n F+:R12 Carc Cat 1: R45
Label F+T
R45,12
S53,45
200-831-0

• vinylcyclohexane diepoxide

1,2-epoxy-4-epoxyethylcyclohexane
CAS 000106-87-6
Index 603-066-00-4
Class'n T R23/24/25 Xn: R68
Label T
R23/24/25, 68
S(1/2), 23,24,45
203-437-7
Conc Conc >= 1% T: R23/24/25,68
Conc >= 0.1% and < 1% Xn: R20/21/22

• vinylidene chloride NoteD

1,1-dichloroethylene
CAS 000075-35-4
Index 602-025-00-8
Class'n F+: R12 Xn: R20, 68
Label F+,Xn
R12,20.68
S(2), 7,16,29
200-864-0
Conc Conc >= 12.5% Xn: R20,68
Conc >= 1% and < 12.5% Xn: R68

• 1-vinyl-2-pyrrolidone NoteD

CAS 000088-12-0
Index 613-168-00-0
Class'n Carc Cat 3: R40 Xn: R20/21/22,48/20 Xi: R37,
41
Label Xn
R20/21/22,37,40,41,48/20
S26,36/37/39
201-800-4



2-vinyltoluene

2-methylstyrene
CAS 000611-15-4
Index 601-028-00-1
Class'n Xn:R20 N:R51,53
Label XnN
R20,51/53
S(2),24,61
210-256-7
Conc Conc >= 25% Xn: R20

warfarin Note E

CAS 000081-81-2
Index 607-056-00-0 (see Part III)
Class'n ReprCat 1: R61 T: R48/25 R52,53
Label T
R6148/25,52/53
S53,45,61
201-377-6

white spirits

See
petroleum substances
low boiling point modified naphtha
1 064741-92-0
petroleum substances
low boiling point hydrogen treated naphtha
2 064742-82-1
petroleum substances
straight run kerosine
3 064742-88-7
petroleum substances
low boiling point naphtha - unspecified
4 008052-41-3

xenylamine Note E

biphenyl4ylamine
Caminobiphenyl
CAS 000092-67-1
Index 612-072-00-6
Class'n Carc Cat 1: R45Xn: R22
Label T
R45,22
S53,45
202-177-1

xenylamine, salts of Notes A and E

biphenyl4ylamine, salts of
4-aminobiphenyl, salts of
Index 612-073-00-1
Class'n Carc Cat 1: R45 Xn: R22
Label T
R45,22
S53,45

XMC

3,s-xylyl methylcarbamate
CAS 002655-14-3
Index 006-067-00-2
Class'n Xn R22
Label Xn
R22
S(2)

o-xylene Note C

CAS 000095-47-6
Index 601-022-00-9 (see Part III)
Class'n R10 Xn:R20/21 Xi:R38
Label Xn
R10,20/21,38
S(2), 25
202-422-2
Conc Conc >= 20% Xn: R20/21,38
Conc >= 12.5% and < 20% Xn: R20/21

p-xylene Note C

CAS 000106-42-3
Index 601-022-00-9 (see Part III)
Class'n R10 Xn:R20/21 Xi:R38
Label Xn
R10,20/21,38
S(3), 25
203-396-5
Conc Conc >= 20% Xn: R20/21,38
Conc >= 12.5% and < 20% Xn: R20/21

m-xylene Note C

CAS 000108-38-3
Index 601-022-00-9 (see Part III)
Class'n R10 Xn:R20/21 Xi:R38
Label Xn
R10,20/21,38
S(2), 25
203-576-3
Conc Conc >= 20% Xn: R20/21,38
Conc >= 12.5% and < 20% Xn: R20/21

xylene Note C

CAS 001330-20-7
Index 601-022-00-9 (see Part III)
Class'n R10 Xn:R20/21 Xi:R38
Label Xn
R10,20/21,38
S(2), 25
215-535-7
Conc Conc >= 20% Xn: R20/21,38
Conc >= 12.5% and < 20% Xn: R20/21

3,4-xyleneol Note C

CAS 000095-65-8
Index 604-006-00-X (see Part III)
Class'n T: R24/25 C: R34 N: R51,53
Label TN
R24/25,34,51/53
S(1/2), 26,36/37/39,45,61
202-439-5

2,5-xyleneol Note C

CAS 000095-87-4
Index 604-006-00-X (See Part III)
Class'n T: R24/25 C: R34 N: R51,53
Label TN
R24/25,34,51/53
S(1/2), 26,36/37/39,45, 61
202-461-5

2,4-xylenol Note C

CAS 000105-67-9
 Index 604-006-00-X (see Part III)
 Class'n T: R24/25 C: R34 N: R51,53
 Label TN
 R24/25,34,51/53
 S(1/2), 26,36/37/39,45, 61
 203-321-6

2,3-xylenol Note C

CAS 000526-75-0
 Index 604-006-00-X (see Part III)
 Class'n T: R24/25 C: R34 N: R51,53
 Label TN
 R24/25,34,51/53
 S(1/2), 26,36/37/39,45, 61
 208-395-3

2,6-xylenol Note C

CAS 000576-26-1
 Index 604-006-00-X (see Part III)
 Class'n T: R24/25 C: R34 N: R51,53
 Label TN
 R24/25,34,51/53
 S(1/2), 26,36/37/39,45,61
 209-400-1

xylenol Note C

CAS 001300-71-6
 Index 604-006-00-X (See Part III)
 Class'n T: R24/25 C: R34 N: R51,53
 Label TN
 R24/25,34,51/53
 S(1/2), 26,36/37/39,45,61
 215-089-3

2,4(or 2,5)-xylenol Note C

CAS 071975-58-1
 Index 604-006-00-X (See Part III)
 Class'n T: R24/25 C: R34 N: R51,53
 Label TN
 R24/25,34,51/53
 S(1/2), 26,36/37/39,45,61
 276-245-4

3,5-xylenol

3,s-dimethylphenol
 CAS 000108-68-9
 Index 604-037-00-9
 Class'n T: R24/25 C: R34
 Label T
 R24/25,34
 S(1/2), 26,28,36/37/39,45
 203-606-5

• 2,6-xylylidine

2,6-dimethylanhe
 CAS 000087-62-7
 Index 612-161-00-X
 Class'n Carc Cat3: R40 Xn: R20/21/22 Xi: R37/38 N:
 R51,53
 Label XnN
 R20/21/22,37/38,40,51/53
 S(2), 23,25,36/37,61
 201-758-7

xylylidines with the exception of those specified elsewhere
 in the Approved Supply list Note C
 dimethyl anilines with the exception of those specified elsewhere
 in the Approved Supply list
 Index 612-027-00-0
 Class'n T: R23/24/25 R33 N: R51,53
 Label TN
 R23/24/25,33,51/53
 S(1/2), 28,36/37,45,61

xylylcarb (ISO)

3,4dimethylphenyl N-methylcarbamate
 3,4xylyl methylcarbamate
 MPMC
 CAS 002425-10-7
 Index 006-055-00-7
 Class'n Xn: R22 N: R50,53
 Label XnN
 R22,50/53
 S(2), 60,61
 219-364-9

3,4-xylyl methylcarbamate

xylylcarb (ISO)
 3,4dimethylphenylN-methylcarbamate
 MPMC
 CAS 002425-10-7
 Index 006-055-00-7
 Class'n Xn:R22 N:R50,53
 Label Xi,N
 R22,50/53
 S(2), 60,61
 219-364-9

3,5-xylyl methylcarbamate

XMC
 CAS 002655-14-3
 Index 006-067-00-2
 Class'n Xn:R22
 Label Xn
 R22
 S(2)

zinc bis(dibutyl)dithiocarbamate)

CAS 000136-23-2
 Index 006-081-00-9
 Class'n Xi: R36/37/38 R43 N: R50,53
 Label XiN
 R36/37/38,43,50/53
 S(2), 24,37,60,61
 205-232-8

zinc bis (diethyl)dithiocarbamate

CAS 014324-55-1
 Index 006-082-00-4
 Class'n Xn: R22 Xi: R36/37/38 R43 N: R50,53
 Label XnN
 R22,36/37/38,43,50/53
 S(2), 24, 37, 60, 61
 238-270-9

zinc bis-dimethyldithiocarbamate

ziram
 CAS 000137-30-4
 Index 006-012-00-2
 Class'n MutaCat3:R68 Xn:R22 Xi:R36/37/38
 Label Xn
 R22,36/37/38,68
 S(2),36/37
 205-288-3

zincchloride

CAS 007646-85-7
 Index 030-003-00-2
 Class'n C:R34 N:R50,53
 Label CN
 R34,50/53
 S(1/2), 718, 28,45, 60,61
 231-592-0

zinc chromates including zinc potassium chromate
Notes A and E

Index 024-007-00-3
 Class'n Carc Cat1:R45 Xn:R22 R43 N:R50,53
 Label T,N
 R45,22,43,50/53
 S53,45,60,61

zinc 2-hydroxy-5-C13-18alkylbenzoate

Index 607-183-00-1
 Class'n Xi:R36/38 N:R51,53
 Label Xi,N
 R36/38,51/53
 S(2),26,61
 402-280-3

zinc phosphide

trizinc diphosphide
 CAS 001314-84-7
 Index 015-006-00-9
 Class'n F:R15/29 T+:R28 R32 N:R50,53
 Label FT+N
 R15/29,28,32,50/53
 S(1/2), 3/9/14,30,36/37,45,60,61
 215-244-5

zinc powder - zinc dust

Index 030-002-00-7
 Class'n R10 F:R15
 Label F
 R10,15
 S(2),7/8,43

zinc powder - zinc dust (pyrophoric)

CAS 007440-66-6
 Index 030-001-00-1
 Class'n F:R15,17
 Label F
 R15,17
 S(2),7/8,43
 231-175-3

zinc sulphate

CAS 007733-02-0
 Index 030-006-00-9
 Class'n X: R36/38 N:R50,53
 Label Xi,N
 R36/38,50/53
 S(2),22,25,60,61
 231-793-3

zineb

CAS 012122-67-7
 Index 006-078-00-2
 Class'n Xi:R37 R43
 Label Xi
 R37,43
 S(2), 8, 24/25,46
 235-180-1

ziram

zinc bis-dimethyldithiocarbamate
 CAS 000137-30-4
 Index 006-012-00-2
 Class'n MutaCat3:R68 Xn:R22 Xi:R36/37/38
 Label Xn
 R22,36/37/38,68
 S(2), 36/37
 205-288-3

zirconium powder (non pyrophoric)

Index 040-002-00-9
 Class'n F:R15
 Label R15
 S(2),7/8,43

zirconium powder (pyrophoric)

CAS 007440-67-7
 Index 040-00100-3
 Class'n F: R15, 17
 Label F
 R15,17
 S(2), 7/8, 43
 231-176-9

Part II EINECS and other descriptions of certain
substances listed by Index number

Part II EINECS and other descriptions of certain substances listed by Index number

Index number	EINECSdescription	CASNumber
648-001-00-0	A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists of hydrocarbons having carbon numbers primarily in the range of C4 to C10 and distilling in the approximate range of 80°C to 160°C (175°F to 320°F).	084650-02-2
648-002-00-6	The distillate from lignite tar boiling in the range of approximately 80°C to 250°C (176°F to 482°F). Composed primarily of aliphatic and aromatic hydrocarbons and monobasic phenols.	094114-40-6
648-003-00-1	The distillate from coke oven light oil having an approximate distillation range below 100°C (212°F). Composed primarily of C4 to C6 aliphatic hydrocarbons.	065996-88-5
648-004-00-7	A residue from the distillation of crude benzole to remove benzole fronts. Composed primarily of benzene, toluene and xylenes boiling in the range of approximately 75°C to 200°C (167°F to 392°F).	101896-26-8
648-009-00-4	The residue remaining from the distillation of recovered naphtha. Composed primarily of naphthalene and condensation products of indene and styrene.	090641-12-6
648-012-00-0	A complex combination of hydrocarbons obtained from the evaporation of solvent under vacuum from polymerised hydrocarbon resin. It consists predominantly of aromatic hydrocarbons having carbon numbers primarily in the range of C8 through C9 and boiling in the range of approximately 120°C to 215°C (248°F to 419°F).	091995-20-9
648-014-00-1	The redistillate from the distillate, freed of tar acids and tar bases, from bituminous coal high temperature tar boiling in the approximate range of 90°C to 160°C (194°F to 320°F). It consists predominately of benzene, toluene and xylenes.	091995-61-8
648-015-00-7	A complex combination of hydrocarbons obtained by the redistillation of the distillate of high temperature coal tar (tar acid and tar base free). It consists predominately of unsubstituted and substituted mononuclear aromatic hydrocarbons boiling in the range 85°C -195°C (185°F -383°F).	101316-63-6
648-016-00-2	An acid sludge by-product of the sulphuric acid refining of crude high temperature coal. Composed primarily of sulphuric acid and organic compounds.	093821-38-6
648-017-00-8	The first fraction from the distillation of aromatic hydrocarbons, coumarone, naphthalene and indene rich prefractionator bottoms or washed carbolic oil boiling substantially below 145°C (293°F). Composed primarily of C7 and C8 aliphatic and aromatic hydrocarbons.	090641-02-4
648-019-00-9	The distillate from aromatic hydrocarbons, coumarone, naphthalene and indene rich prefractionator bottoms or washed carbolic oils, having an approximate boiling range of 155°C to 180°C (311°F to 356°F). Composed primarily of indene, indan and trimethylbenzenes.	090641-03-5
648-020-00-4	The distillate from either high temperature coal tar, coke oven light oil, or coal tar oil alkaline extract residue having an approximate distillation range of 130°C to 210°C (266°F to 410°F). Composed primarily of indene and polycyclic ring systems containing a single aromatic ring. May contain phenolic compounds and aromatic nitrogen bases.	065996-79-4
648-021-00-X	A distillate from the fractional distillation of high temperature coal tar. Composed primarily of alkyl-substituted one ring aromatic hydrocarbons boiling in the range of approximately 135°C to 210°C (275°F to 410°F). May also include unsaturated hydrocarbons such as indene and coumarone.	101794-90-5

Index number	EINECS description	CAS Number
648-022-00-5	This oil is a complex mixture of aromatic hydrocarbons, primarily indene, naphthalene, coumarone, phenol and o-, m-, and p- cresol and boiling in the range 140°C to 215°C (284°F to 419°F).	090640-87-2
648-023-00-0	A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists of aromatic and other hydrocarbons, phenolic compounds and aromatic nitrogen compounds and distills at the approximate range of 150°C to 210°C (302°F to 410°F).	084650-03-3
648-024-00-6	The distillate from high temperature coal tar having an approximate distillation range of 130°C to 250°C (266°F to 410°F). Composed primarily of naphthalene, alkylnaphthalenes, phenolic compounds, and aromatic nitrogen bases.	065996-82-9
648-026-00-7	The oil resulting from the acid washing of alkali-washed carbolic oil to remove the minor amounts of basic compounds (tar bases). Composed primarily of indene, indan and alkylbenzenes.	090641-01-3
648-027-00-2	The residue obtained from coal tar oil by an alkaline wash such as aqueous sodium hydroxide after the removal of crude coal tar acids. Composed primarily of naphthalenes and aromatic nitrogen bases.	065996-87-4
648-028-00-8	The aqueous extract produced by an acidic wash of alkali-washed carbolic oil. Composed primarily of acid salts of various aromatic nitrogen bases including pyridine, quinoline and their alkyl derivatives.	090640-99-6
648-029-00-3	The complex combination of polyalkylated pyridines derived from coal tar distillation or as high boiling distillates approximately above 150°C (302°F) from the reaction of ammonia with acetaldehyde, formaldehyde, or paraformaldehyde.	068391-11-7
648-030-00-9	Pyridine bases boiling in the range of approximately 125°C to 160°C (257°F to 320°F) obtained by distillation of neutralized acid extract of the base-containing tar fraction obtained by the distillation of bituminous coal tars. Composed chiefly of lutidines and picolines.	092062-33-4
648-032-00-X	The extract produced by the acidic extraction of bases from crude coal tar aromatic oils, neutralization, and distillation of the bases. Composed primarily of collidines, aniline, toluidines, lutidines and xyloidines.	068937-63-3
648-033-00-5	The distillation fraction boiling in the range of approximately 181°C to 186°C (356°F to 367°F) from the crude bases obtained from the neutralized, acid-extracted base-containing tar fractions obtained by the distillation of bituminous coal tar. It contains chiefly aniline and collidines.	092062-28-7
648-034-00-0	The distillation fraction boiling in the range of approximately 180°C to 200°C (356°F to 392°F) from the crude bases obtained by dephenolating and debasing the carbolated oil from the distillation of coal tar. It contains chiefly aniline, collidines, lutidines and toluidines.	092062-27-6
648-036-00-1	A complex combination of hydrocarbons obtained as a redistillate from the fractional distillation of bituminous coal high temperature tar and residual oils that are obtained by the pyrolytic production of alkenes and alkynes from petroleum products or natural gas. It consists predominately of indene and boils in a range of approximately 160°C to 190°C (320°F to 374°F).	091995-31-2
648-037-00-7	The redistillate obtained from the fractional distillation of bituminous coal high temperature tar and pyrolysis residual oils and boiling in the range of approximately 190°C to 270°C (374°F to 518°F). Composed primarily of substituted dinuclear aromatics.	091995-35-6

Index number	EINECS description	CAS Number
648-038-00-2	The redistillate from the fractional distillation of dephenolated and debased methylnaphthalene oil obtained from bituminous coal high temperature tar and pyrolysis residual oils boiling in the approximate range of 220°C to 230°C (428°F to 446°F). It consists predominantly of unsubstituted and substituted dinuclear aromatic hydrocarbons.	091995-66-3
648-039-00-8	A neutral oil obtained by debasing and dephenolating the oil obtained from the distillation of high temperature tar and pyrolysis residual oils which has a boiling range of 225°C to 255°C (437°F to 491 °F). Composed primarily of substituted dinuclear aromatic hydrocarbons.	122070-79-5
648-040-00-3	Residue from the distillation of dephenolated and debased methylnaphthalene oil (from bituminous coal tar and pyrolysis residual oils) with a boiling range of 240°C to 260°C (464°F to 500°F). Composed primarily of substituted dinuclear aromatic and heterocyclic hydrocarbons.	122070-80-8
648-041-00-9	A complex combination of hydrocarbons obtained as a redistillate from the distillation of wash oil. It consists predominantly of 2-ringed aromatic and heterocyclic hydrocarbons boiling in the range of approximately 260 °C to 290°C (500°F to 554°F).	101316-45-4
648-042-00-4	A complex combination of hydrocarbons obtained by the crystallization of tar oil. It consists of aromatic and polycyclic hydrocarbons primarily fluorene and some acenaphthene.	084989-11-7
648-043-00-X	The oil remaining after removal by a crystallization process of acenaphthene from acenaphthene oil from coal tar. Composed primarily of naphthalene and alkylnaphthalenes.	090640-85-0
648-044-00-5	Distillate from the fractional distillation of coal tar of bituminous coal, with boiling range of 240°C to 400°C (464°F to 752°F). Composed primarily of tri- and polynuclear hydrocarbons and heterocyclic compounds.	090640-86-1
648-045-00-0	The distillate from coal tar having an approximate distillation range of 220°C to 450°C (428°F to 842°F). Composed primarily of three to four membered condensed ring aromatic hydrocarbons and other hydrocarbons.	065996-91-0
648-046-00-6	A complex combination of hydrocarbons from the base-freed fraction obtained from the distillation of coal tar and boiling in the range of approximately 325°C to 365°C (617°F to 689°F). It contains predominantly anthracene and phenanthrene and their alkyl derivatives.	091995-14-1
648-047-00-1	The distillate from coal tar having an approximate distillation range of 100°C to 450°C (212°F to 842°F). Composed primarily of two to four membered condensed ring aromatic hydrocarbons , phenolic compounds , and aromatic nitrogen bases.	065996-92-1
648-048-00-7	The distillate from the distillation of the pitch obtained from bituminous high temperature tar. Composed primarily of tri- and polynuclear aromatic hydrocarbons and boiling in the range of approximately 300°C to 470°C (572°F to 878°F). The product may also contain heteroatoms.	091995-51-6
648-049-00-2	The oil obtained from condensation of the vapours from the heat treatment of pitch. Composed primarily of two- to four ring aromatic compounds boiling in the range of 200°C to greater than 400°C (392°F to greater than 752°F).	101316-49-8
648-050-00-8	The redistillate obtained from the fractional distillation of pitch distillate boiling in the range of approximately 350°C to 400°C (662°F to 752°F). Consists predominately of tri- and polynuclear aromatics and heterocyclic hydrocarbons.	091995-42-5

Index number	EINECS description	CAS Number
648-051-00-3	The redistillates obtained from the fractional distillation of pitch distillate and boiling in the range of approximately 380°C to 410°C (716°F to 770°F). Composed primarily of tri- and polynuclear aromatic hydrocarbons and heterocyclic compounds.	091995-52-7
648-052-00-9	A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with activated carbon for removal of trace constituents and impurities. It consists predominately of saturated straight and branched chain hydrocarbons having carbon numbers predominately greater than C 12.	097926-76-6
648-053-00-4	A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with bentonite for removal of trace constituents and impurities. It consists predominately of saturated straight and branched chain hydrocarbons having carbon numbers predominately greater than C 12.	097926-77-7
648-055-00-5	The residue from the distillation of high temperature coal tar. A black solid with an approximate softening point from 30°C to 180°C (86°F to 356°F). Composed primarily of a complex mixture of three or more membered condensed ring aromatic hydrocarbons.	065996-93-2
648-056-00-0	The heat treated residue from the distillation of high temperature coal tar. A black solid with an approximate softening point from 80°C to 180°C (176°F to 356°F). Composed primarily of a complex mixture of three or more membered condensed ring aromatic hydrocarbons.	121575-60-8
648-057-00-6	The residue obtained during distillation of high boiling fractions from bituminous coal high temperature tar and/or pitch coke oil, with a softening point of 140°C to 170°C (284°F to 392°F) according to DIN 52025. Composed primarily of tri- and polynuclear aromatic compounds which also contain heteroatoms.	094114-13-3
648-058-00-1	Residue from the fractional distillation of pitch distillate boiling in the range of approximately 400°C to 470°C (752°F to 846°F). Composed primarily of polynuclear aromatic hydrocarbons, and heterocyclic compounds.	092061-94-4
648-059-00-7	Coke- and ash containing solid residues that separate on distillation and thermal treatment of bituminous coal high temperature tar in distillation installations and storage vessels. Consists predominately of carbon and contains a small quantity of hetero compounds as well as ash components.	092062-20-9
648-060-00-2	The deposit removed from crude coal tar storages. Composed primarily of coal tar and carbonaceous particulate matter.	091082-50-7
648-061-00-8	Solids formed during the coking of bituminous coal to produce crude bituminous coal high temperature tar. Composed primarily of coke and coal particles, highly aromatized compounds and mineral substances.	100684-51-3
648-062-00-3	The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in the high temperature (greater than 700°C (1292°F)) destructive distillation of coal. Composed primarily of a complex mixture of condensed ring aromatic hydrocarbons with a high solid content of coal- and coke-type materials.	068990-61-4
648-063-00-9	The combination of wastes formed by the coking of bituminous coal tar pitch. It consists predominantly of carbon.	092062-34-5
648-064-00-4	The residue from toluene extraction of dried brown coal.	091697-23-3
648-065-00-X	A complex combination of hydrocarbons obtained from lignite carbonization tar by solvent crystallization (solvent deoiling), by sweating or an adducting process. It consists predominantly of straight and branched chain saturated hydrocarbons having carbon numbers greater than C 12.	092045-71-1

Index number	EINECS description	CASNumber
648-066-00-5	A complex combination of hydrocarbons obtained from lignite carbonization tar by solvent crystallization (solvent deoiling), by sweating or an adducting process treated with hydrogen in the presence of a catalyst. It consists predominantly of straight and branched chain saturated hydrocarbons having carbon numbers predominantly greater than C 12.	092045-72-2
648-067-00-0	A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with silicic acid for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers greater predominantly than C12.	097926-78-8
648-068-00-6	Residues from fractional distillation of low temperature coal tar to remove oils that boil in a range up to approximately 300°C (572°F). Composed primarily of aromatic compounds.	101316-85-2
648-069-00-1	A complex black solid or semi-solid obtained from the distillation of low temperature coal tar. It has a softening point within the approximate range of 40°C to 180°C (104°F to 356°F). Composed primarily of a complex mixture of hydrocarbons.	090669-57-1
648-070-00-7	The product obtained by air blowing, at elevated temperature, low-temperature coal tar pitch. It has a softening point within the approximate range of 70°C to 180°C (158°F to 356°F). Composed primarily of a complex mixture of hydrocarbons.	090669-59-3
648-071-00-2	A complex black solid obtained by the heat treatment of low temperature coal tar pitch. It has a softening point within the approximate range of 50°C to 140°C (122°F to 284°F). Composed primarily of a complex mixture of aromatic compounds.	090669-58-2
648-072-00-8	The distillate from a mixture of coal and tar and aromatic petroleum streams having an approximate distillation range of 220°C to 450°C (428°F to 842°F). Composed primarily of 3- to 4-membered condensed ring aromatic hydrocarbons.	068188-48-7
648-073-00-3	A complex combination of hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range C20 through C28 and having a softening point of 100°C to 220°C (212°F to 428°F) according to DIN 52025.	101794-74-5
648-074-00-9	A complex combination of hydrocarbons obtained from mixed coal tar pitch-polyethylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100°C to 220°C (212°F to 428°F) according to DIN 52025.	101794-75-6
648-075-00-4	A complex combination of hydrocarbons obtained from mixed coal tar pitch-polystyrene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100°C to 220°C (212°F to 428°F) according to DIN 52025.	101794-76-7
648-076-00-X	The residue from the distillation of a mixture of coal tar and aromatic petroleum streams. A solid with a softening point from 40°C to 180°C (140°F to 356°F). Composed primarily of a complex combination of three or more membered condensed aromatic hydrocarbons.	068187-57-5
648-077-00-5	Residue from the distillation of crude phenanthrene boiling in the approximate range of 340°C to 420°C (644°F to 788°F). It consists predominantly of phenanthrene, anthracene and carbazole.	122070-78-4
648-078-00-0	A complex combination of hydrocarbons obtained by the crystallization of tar oil. It consists of aromatic polycyclic hydrocarbons, primarily diphenyl, dibenzofuran and acenaphthene.	084989-10-6

Index number	EINECS description	CAS Number
648-079-00-6	A complex combination of polycyclic aromatic hydrocarbons obtained from coal tar having an approximate distillation range of 300°C to 400°C (572°F to 752°F). Composed primarily of phenanthrene, anthracene and carbazole.	090640-80-5
648-080-00-1	The residue from the fractional distillation of wash oil boiling in the approximate range of 270°C to 330°C (518°F to 626°F). It consists predominately of dinuclear aromatic and heterocyclic hydrocarbons.	092061-93-3
648-081-00-7	The by-product from the destructive distillation of coal. Almost black semisolid. A complex combination of aromatic hydrocarbons, phenolic compounds, nitrogen bases and thiophene.	008007-45-2
648-082-00-2	The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in the high temperature (greater than 700°C (1292°F)) destructive distillation of coal. A black viscous liquid denser than water. Composed primarily of a complex mixture of condensed ring aromatic hydrocarbons. May contain minor amounts of phenolic compounds and aromatic nitrogen bases.	065996-89-6
648-083-00-8	The condensation products obtained by cooling, to approximately ambient temperature, the gas evolved in low temperature (less than 700°C (1292°F)) destructive distillation of coal. A black viscous liquid denser than water. Composed primarily of condensed ring aromatic hydrocarbons, phenolic compounds, aromatic nitrogen bases and their alkyl derivatives.	065996-90-9
648-084-00-3	The complex combination of hydrocarbons obtained from prefractionation (continuous distillation) of coke oven light oil. It consists predominantly of naphthalene, coumarone and indene and boils above 148°C (298°F).	085029-51-2
648-085-00-9	A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily of aromatic and other hydrocarbons, phenolic compounds and aromatic nitrogen compounds and distills in the approximate range of 200°C to 250°C (392°F to 482°F).	084650-04-4
648-086-00-4	A complex combination of hydrocarbons obtained by the crystallization of naphthalene oil. Composed primarily of naphthalene, alkyl naphthalenes and phenolic compounds.	084989-09-3
648-087-00-X	A complex combination of organic compounds obtained as a filtrate from the crystallization of the naphthalene fraction from coal tar and boiling in the range of approximately 200°C to 230°C (392°F to 446°F). Contains chiefly naphthalene, thionaphthalene and alkylnaphthalenes.	091995-49-2
648-088-00-5	A complex combination of hydrocarbons obtained from the alkali washing of naphthalene oil to remove phenolic compounds (tar acids). It is composed of naphthalene and alkyl naphthalenes.	121620-47-1
648-089-00-0	A complex combination of hydrocarbons remaining after the removal of naphthalene from alkali washed naphthalene oil by a crystallization process. It is composed primarily of naphthalene and alkyl naphthalenes.	121620-48-2
648-090-00-6	The oil remaining after the removal of phenolic compounds (tar acids) from drained naphthalene oil by an alkali wash. Composed primarily of naphthalene and alkyl naphthalenes.	090640-90-7
648-091-00-1	The distillation from alkali-washed naphthalene oil having an approximate distillation range of 180°C to 220°C (356°F to 428°F). Composed primarily of naphthalene, alkylbenzenes, indene and indan.	090641-04-6
648-092-00-7	A distillate from the fractional distillation of high temperature coal tar. Composed primarily of substituted two ring aromatic hydrocarbons and aromatic nitrogen bases boiling in the range of approximately 225°C to 255°C (437°F to 491°F).	101896-27-9

Index number	EINECS description	CAS Number
648-093-00-2	A distillate from the fractional distillation of high temperature coal tar. Composed primarily of indole and methyl naphthalene boiling in the range of approximately 235°C to 255°C (455°F to 491°F).	101794-91-6
648-094-00-8	A complex combination of hydrocarbons obtained by debasing the methyl naphthalene fraction obtained by the distillation of coal tar and boiling in the range of approximately 230°C to 255°C (446°F to 491°F). Contains chiefly 1(2)-methyl naphthalene, naphthalene, dimethyl naphthalene and biphenyl.	091995-48-1
648-095-00-3	The residue from the distillation of alkali-washed naphthalene oil having an approximate distillation range of 220°C to 300°C (428°F to 572°F). Composed primarily of naphthalene, alkyl naphthalenes and aromatic nitrogen bases.	090641-05-7
648-096-00-9	The extract oil boiling in the range of approximately 220°C to 265°C (428°F to 509°F) from coal tar alkaline extract residue produced by an acidic wash such as aqueous sulfuric acid after distillation to remove tar bases. Composed primarily of alkyl naphthalenes.	084989-12-8
648-097-00-4	A complex combination of hydrocarbons obtained from the distillation of crude benzole (high temperature coal tar). It may be a liquid with the approximate distillation range of 150°C to 300°C (302°F to 572°F) or a semi solid or solid with a melting point up to 70°C (158°F). It is composed primarily of naphthalene and alkyl naphthalenes.	121620-46-0
648-098-00-X	A complex combination of hydrocarbons produced by the distillation of coal tar and boiling in the range of approximately 240°C to 280°C (464°F to 536°F). Composed primarily of acenaphthalene, naphthalene and alkyl naphthalene.	090640-84-9
648-099-00-5	A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily of aromatic hydrocarbons and may contain appreciable quantities of tar acids and tar bases. It distills at the approximate range of 200°C to 325°C (392°F to 617°F)	061789-28-4
648-100-00-9	The high boiling distillation fraction obtained from the high temperature carbonization of bituminous coal which is further refined to remove excess crystalline salts. It consists primarily of creosote oil with some of the normal polynuclear aromatic salts, which are components of coal tar distillates, removed. It is crystal free at approximately 5°C (41°F).	070321-79-8
648-101-00-4	The distillate of coal tar produced by the high temperature carbonization of bituminous coal. It consists primarily of aromatic hydrocarbons, tar acids and tar bases.	008001-58-9
648-102-00-X	A complex combination of hydrocarbons from the base-freed fraction from the distillation of coal tar, boiling in the range of approximately 250°C to 280°C (482°F to 536°F). It consists predominantly of biphenyl and isomeric diphenyl naphthalenes.	122384-77-4
648-103-00-5	The anthracene-rich solid obtained by the crystallization and centrifuging of anthracene oil. It is composed primarily of anthracene, carbazole and phenanthrene.	090640-81-6
648-104-00-0	The oil remaining after the removal, by a crystallization process, of an anthracene-rich solid (anthracene paste) from anthracene oil. It is composed primarily of two, three and four membered aromatic compounds.	090640-82-7
648-105-00-6	The residue from the fraction distillation of crude anthracene boiling in the approximate range of 340°C to 400°C (644°F to 752°F). It consists predominantly of tri- and polynuclear aromatic and heterocyclic hydrocarbons.	092061-92-2

Index number	EINECS description	CAS Number
648-106-00-1	A complex combination of hydrocarbons from the distillation of anthracene obtained by the crystallization of anthracene oil from bituminous high temperature tar and boiling in the range of 330°C to 350°C (626°F to 662°F). It contains chiefly anthracene, carbazole, and phenanthrene.	091995-15-2
648-107-00-7	A complex combination of hydrocarbons from the distillation of anthracene obtained by crystallization of anthracene oil from bituminous coal high temperature tar and boiling in the approximate range of 350°C to 360°C (662°F to 680°F). It contains chiefly anthracene, carbazole and phenanthrene.	091955-16-3
648-108-00-2	A complex combination of hydrocarbons from the distillation of anthracene obtained by crystallization of anthracene oil from bituminous light temperature tar and boiling in the range of approximately 290°C to 340°C (554°F to 644°F). It contains chiefly trinuclear aromatics and their dihydro derivatives.	091995-17-4
648-109-00-8	A distillate from low temperature coal tar. Composed primarily of hydrocarbons, phenolic compounds and aromatic nitrogen bases boiling in the range of approximately 160°C to 340°C (320°F to 644°F).	101316-87-4
648-110-00-3	The residue from low-temperature coal tar oils after an alkaline wash, such as aqueous sodium hydroxide, to remove crude coal tar acids. Composed primarily of hydrocarbons and aromatic nitrogen bases.	122384-78-5
648-111-00-9	The combination of phenols extracted, using isobutyl acetate, from the ammonia liquor condensed from the gas evolved in low-temperature (less than 700°C (1292°F) destructive distillation of coal. It consists predominantly of a mixture of monohydric and dihydric phenols.	084988-93-2
648-112-00-4	The aqueous extract from carbolic oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.	090640-88-3
648-113-00-X	The extract from coal tar oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.	065996-83-0
648-114-00-5	The aqueous extract from naphthalene oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.	090640-89-4
648-115-00-0	The product obtained by treatment of coal tar oil alkaline extract with CO ₂ AND CaO. Composed primarily of CaCO ₃ , Ca(OH) ₂ , Na ₂ CO ₃ and other organic and inorganic impurities.	090641-06-8
648-116-00-6	The reaction product obtained by neutralizing coal tar oil alkaline extract with an acidic solution such as aqueous sulfuric acid, or gaseous carbon dioxide, to obtain the free acids. Composed primarily of tar acids such as phenol, cresols and xylenols.	065996-85-2
648-117-00-1	An acidified alkaline extract of brown coal tar distillate. Composed primarily of phenol and phenol homologs.	101316-86-3
648-118-00-7	A complex combination of organic compounds obtained from brown coal gasification. Composed primarily of C ₆ -10 hydroxy aromatic phenols and their homologs.	092062-22-1
648-119-00-2	A residue from the distillation of crude phenol from coal. It consists predominantly of phenols having carbon numbers in the range of C ₈ through C ₁₀ with a softening point of 60°C to 80°C (140°F to 176°F).	096690-55-0
648-120-00-8	The fraction of tar acid rich in 3- and 4-methylphenol, recovered by distillation of low-temperature coal tar crude tar acids.	084989-04-8

Index number	EINECS description	CAS Number
648-121-00-3	The fraction of tar acids, recovered by distillation of low-temperature coal tar crude tar acids, having an approximate boiling range of 225°C to 320°C (437°F to 608°F). Composed primarily of polyalkylphenols.	084989-05-9
648-122-00-9	The fraction of tar acids rich in 2,4- and 2,5-dimethylphenol, recovered by the distillation of low temperature coal tar crude tar acids.	084989-06-0
648-123-00-4	The fraction of tar acids rich in 3-, and 4-ethylphenol, recovered by distillation of low-temperature coal tar crude tar acids.	084989-03-7
648-124-00-X	The fraction of tar acids rich in 3,5-dimethylphenol, recovered by distillation of low temperature coal tar acids.	084989-07-1
648-125-00-5	The residue from the distillation in the range of 235°C to 355°C (481°F to 697°F) of light carbolic oil.	068477-23-6
648-126-00-0	The residue from crude coal tar acids after the removal of phenol, cresols, xylenols and any higher boiling phenols. A black solid with a melting point approximately 80°C (176°F). Composed primarily of polyalkylphenols, resin gums, and inorganic salts.	068555-24-8
648-128-00-1	A complex combination of organic compounds obtained from brown coal and boiling in the range of approximately 200°C to 230°C (392°F to 446°F). It contains chiefly phenols and pyridine bases.	092602-26-5
648-129-00-7	The distillate from the acidification of alkaline washed lignite tar distillate boiling in the range of approximately 200°C to 230°C (392°F to 446°F). Composed primarily of m- and p- ethylphenol as well as cresols and xylenols.	094114-29-1
648-130-00-2	The aqueous extract produced by an acidic wash of alkali-washed naphthalene oil. Composed primarily of acid salts of various aromatic nitrogen bases including pyridine, quinoline and their alkyl derivatives.	090641-00-2
648-133-00-9	The distillation residue remaining after the distillation of the neutralized, acid extracted base-containing tar fractions obtained by the distillation of coal tars. It contains chiefly aniline, collidines, quinoline and quinoline derivatives and toluidines.	092062-29-8
648-134-00-4	The oil obtained from the heat treatment of polyethylene/polypropylene mixture with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 70°C to 120°C (158°F to 248°F)	100801-63-6
648-135-00-X	The oil obtained from the heat treatment of polyethylene with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of 70°C to 120°C (158°F to 248°F).	100801-65-8
648-136-00-5	The oil obtained from the heat treatment of polystyrene with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 70°C to 210°C (158°F to 410°F).	100801-66-9
648-137-00-0	The residue obtained from chemical oil extracted after the removal of naphthalene by distillation composed primarily of two to four membered condensed ring aromatic hydrocarbons and aromatic nitrogen bases.	736665-18-6
648-138-00-6	The low-boiling distillation fraction obtained from the high temperature carbonization of bituminous coal, which is further refined to remove excess crystalline salts. It consists primarily of creosote oil with some of the normal polynuclear aromatic salts, which are components of coal tar distillate, removed. It is crystal free at approximately 38°C (100°F).	070321-80-1

Index number	EINECS description	CAS Number
648-140-00-7	The extract from coal tar oil alkaline extract residue produced by an acidic wash such as aqueous sulfuric acid after distillation to remove naphthalene. Composed primarily of the acid salts of various aromatic nitrogen bases including pyridine, quinoline, and their alkyl derivatives,	065996-86-3
648-141-00-2	The reaction product obtained by neutralizing coal tar base extract oil with an alkaline solution, such as aqueous sodium hydroxide, to obtain the free bases. Composed primarily of such organic bases as acridine, phenanthridine, pyridine, quinoline and their alkyl derivatives.	065996-84-1
648-142-00-8	A cohesive powder composed of coal mineral matter and undissolved coal remaining after extraction of coal by a liquid solvent.	094114-46-2
648-143-00-3	The product obtained by filtration of coal mineral matter and undissolved coal from coal extract solution produced by digesting coal in a liquid solvent. A black, viscous, highly complex liquid combination composed primarily of aromatic and partly hydrogenated aromatic hydrocarbons, aromatic nitrogen compounds, aromatic sulfur compounds, phenolic and other aromatic oxygen compounds and their alkyl derivatives.	094114-47-3
648-144-00-9	The substantially solvent-free product obtained by the distillation of the solvent from filtered coal extract solution produced by digesting coal in a liquid solvent. A black semi-solid, composed primarily of a complex combination of condensed-ring aromatic hydrocarbons, aromatic nitrogen compounds, aromatic sulfur compounds, phenolic compounds and other aromatic oxygen compounds, and their alkyl derivatives.	094114-48-4
648-145-00-4	An oil distilled from brown-coal tar. Composed primarily of aliphatic, naphthenic and one- to three-ring aromatic hydrocarbons, their alkyl derivatives, heteroaromatics and one- and two- ring phenols boiling in the range of approximately 150°C to 360°C (302°F to 680°F)	101316-83-0
648-146-00-X	A tar obtained from low temperature carbonization and low temperature gasification of brown coal. Composed primarily of aliphatic, naphthenic and cyclic aromatic hydrocarbons, heteroaromatic hydrocarbons and cyclic phenols.	101316-84-1
648-147-00-5	The volatile organic liquid extracted from the gas evolved in the high temperature (greater than 700°C (1292°F)) destructive distillation of coal. Composed primarily of benzene, toluene and xylenes. May contain other minor hydrocarbon constituents.	065996-78-3
648-148-00-0	The liquid product of condensation of vapors emitted during the digestion of coal in a liquid solvent and boiling in the range of approximately 30°C to 300°C (86°F to 572°F). Composed primarily of partly hydrogenated condensed-ring aromatic hydrocarbons, aromatic compounds containing nitrogen, oxygen and sulfur, and their alkyl derivatives having carbon numbers predominantly in the range of C4 through C 14.	094114-52-0
648-149-00-6	Distillate obtained by hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30°C to 300°C (86°F to 572°F). Composed primarily of aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes with carbon numbers predominantly in the range of C4 through C14. Nitrogen, sulfur and oxygen-containing aromatic and hydrogenated aromatic compounds are also present.	094114-53-1
648-150-00-1	Fraction of the distillate obtained by hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30°C to 180°C (86°F to 356°F). Composed primarily of aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes with carbon numbers predominantly in the range of C4 to C9. Nitrogen, sulfur and oxygen-containing aromatic and hydrogenated aromatic compounds are also present.	094114-54-2

Index number	EINECS description	CAS Number
648-151-00-7	Motor fuel produced by the reforming of the refined naphtha fraction of the products of hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30°C to 180°C (86°F to 356°F). Composed primarily of aromatic and naphthenic hydrocarbons, their alkyl derivatives and alkyl hydrocarbons having carbon numbers in the range of C4 through C9.	094114-55-3
648-152-00-2	Distillate obtained from the hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180°C to 300°C (356°F to 572°F). Composed primarily of two-ring aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes having carbon numbers predominantly in the range of C9 through C14. Nitrogen, sulfur and oxygen-containing compounds are also present.	094114-56-4
648-153-00-8	Distillate from the hydrogenation of hydrocracked middle distillate from coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180°C to 280°C (356°F to 536°F). Composed primarily of hydrogenated two-ring carbon compounds and their alkyl derivatives having carbon numbers predominantly in the range of C9 through C14.	094114-57-5
648-154-00-3	Jet engine fuel produced by hydrogenation of the middle distillate fraction of the products of hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180°C to 225°C (356°F to 473°F). Composed primarily of hydrogenated two-ring hydrocarbons and their alkyl derivatives having carbon numbers predominantly in the range of C10 through C12.	094114-58-6
648-155-00-9	Diesel engine fuel produced by the hydrogenation of the middle distillate fraction of the products of hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 200°C to 280°C (392°F to 536°F). Composed primarily of hydrogenated two-ring hydrocarbons and their alkyl derivatives having carbon numbers predominantly in the range of C11 through C14.	094114-59-7
648-156-00-4	The volatile organic liquid condensed from the gas evolved in the low temperature (less than 700°C (1292°F)) destructive distillation of coal. Composed primarily of C6-10 hydrocarbons.	090641-11-5
649-001-00-3	A complex combination of hydrocarbons obtained as the extract from a solvent extraction process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range C15-through C30-. This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064742-03-6
649-002-00-9	A complex combination of hydrocarbons obtained as the extract from a solvent extraction process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range C20-through C50-. This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064742-04-7
649-003-00-4	A complex combination of hydrocarbons obtained as the extract from a solvent extraction process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C15-through C30-. This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064742-05-8
649-004-00-X	A complex combination of hydrocarbons obtained as the extract from a solvent extraction process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C20-through C50. This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064742-1 1-6

Index number	EINECS description	CAS Number
649-005-00-5	A complex combination of hydrocarbons obtained by solvent extraction from light vacuum petroleum gas oil. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C13- through C30-.	091995-78-7
649-006-00-0	A complex combination of hydrocarbons obtained by solvent extraction from a naphthenic distillate having a viscosity of 27cSt at 100°C (212°F). It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C26- through C55- and boiling in the range of approximately 395°C to 640°C (743°F to 1184°F).	097722-04-8
649-008-00-1	A complex residuum from the atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350°C (662°F). This stream is likely to contain 5 wt. % or more of 4- to 6- membered condensed ring aromatic hydrocarbons.	064741-45-3
649-009-00-7	A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and boiling in the range of approximately 350°C to 600°C (662°F to 1112°F). This stream is likely to contain 5wt % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064741-57-7
649-010-00-2	A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C35 and boiling in the range of approximately 260°C to 500°C (500°F to 932°F). This stream is likely to contain 5 wt % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064741-61-3
649-011-00-8	A complex combination of hydrocarbons produced as the residual fraction from distillation of the products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350°C (662°F). This stream is likely to contain 5 wt % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064741-62-4
649-012-00-3	A complex combination of hydrocarbons produced as the residual fraction from distillation of the products of a hydrocracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350°C (662°F).	064741-75-9
649-013-00-9	A complex combination of hydrocarbons produced as the residual fraction from distillation of the product from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350°C (662°F). This stream is likely to contain 5 wt % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064741-80-6
649-014-00-4	A complex combination of hydrocarbons from the distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C15 through C36 and boiling in the range of approximately 260°C to 480°C (500°F to 896°F). This stream is likely to contain 5 wt % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064741-81-7
649-015-00-X	A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C 13 through C50 and boiling in the range of approximately 230°C to 600°C (446°F to 1112°F). This stream is likely to contain 5 wt % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064742-59-2

Index number	EINECS description	CAS Number
649-016-00-5	A complex combination of hydrocarbons obtained by treating an atmospheric tower residuum with hydrogen in the presence of a catalyst under conditions primarily to remove organic sulfur compounds. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350°C (662°F). This stream is likely to contain 5 wt % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064742-78-5
649-017-00-0	A complex combination of hydrocarbons obtained from a catalytic hydrosulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and boiling in the range of approximately 350°C to 600°C (662°F to 1112°F). This stream is likely to contain 5 wt % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064742-86-5
649-018-00-6	A complex combination of hydrocarbons obtained as the residual fraction from the distillation of the products of a steam cracking process (including steam cracking to produce ethylene). It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly greater than C14 and boiling above approximately 260°C (500°F). This stream is likely to contain 5 wt % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	064742-90-1
649-019-00-1	A complex residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C11 and boiling above approximately 200°C (392°F). This stream is likely to contain 5 wt % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	068333-22-2
649-020-00-7	A complex combination of hydrocarbons obtained by treating catalytic cracked clarified oil with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350°C (662°F). This stream is likely to contain 5 wt % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	068333-26-6
649-021-00-2	A complex combination of hydrocarbons obtained by treating intermediate catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C30 and boiling in the range of approximately 205°C to 450°C (401°F to 842°F). It contains a relatively large proportion of tricyclic aromatic hydrocarbons.	068333-27-7
649-022-00-8	A complex combination of hydrocarbons obtained by treatment of heavy catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C35 and boiling in the range of approximately 260°C to 500°C (500°F to 932°F). This stream is likely to contain 5 wt % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	068333-28-8
649-024-00-9	The liquid product from various refinery streams, usually residues. The composition is complex and varies with the source of the crude oil.	068476-33-5
649-025-00-4	A complex residuum from the distillation of catalytic reformer fractionator residue. It boils approximately above 399°C (750°F).	068478-13-7
649-026-00-X	A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and vacuum gas oil. It predominantly consists of hydrocarbons having carbon numbers predominantly greater than C13 and boiling above approximately 230°C (446°F).	068478-17-1

Index number	EINECS description	CAS Number
649-027-00-5	A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and light vacuum gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C13 and boiling above approximately 230°C (446°F).	068512-61-8
649-028-00-0	A complex residuum from the vacuum distillation of the residuum from the atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C13 and boiling above approximately 230°C (446°F).	068512-62-9
649-029-00-6	A complex residuum from the distillation of the products from a steam-cracking process. It consists predominantly of aromatic and unsaturated hydrocarbons having carbon numbers greater than C7 and boiling in the range of approximately 101°C to 555°C (214°F to 1030°F).	068513-69-9
649-030-00-1	A distillate oil having a minimum viscosity of 900 SUS at 37.7°C (100°F) to a maximum of 9000 SUS at 37.7°C (100°F).	068553-00-4
649-031-00-7	A low-sulfur complex combination of hydrocarbons produced as the residual fraction from the topping plant distillation of crude oil. It is the residuum after the straight-run gasoline cut, kerosene cut and gas oil cut have been removed.	068607-30-7
649-032-00-2	A complex combination of hydrocarbons obtained by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C35 and boiling in the range of approximately 121°C to 510°C (250°F to 950°F).	068783-08-4
649-033-00-8	A very complex combination of hydrocarbons produced as the residual fraction from the distillation of vacuum residuum and the products from a thermal cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350°C (662°F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	068783-13-1
649-034-00-3	A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from the atmospheric distillation of crude oil.	068955-27-1
649-035-00-9	A complex residuum from the distillation of steam-cracked petroleum residues.	068955-36-2
649-036-00-4	A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C14 through C42 and boiling in the range of approximately 250°C to 545°C (482°F to 1013°F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	070592-76-6
649-037-00-X	A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C35 and boiling in the range of approximately 250°C to 545°C (482°F to 1013°F).	070592-77-7
649-038-00-5	A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C50 and boiling in the range of approximately 270°C to 600°C (518°F to 1112°F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	070592-78-8

Index number	EINECS description	CAS Number
649-039-00-0	A complex combination of hydrocarbons obtained by hydrosulfurization of heavy coker distillate stocks. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range C18 to C44 and boiling in the range of approximately 304°C to 548°C (579°F to 1018°F). Likely to contain 5% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	085117-03-9
649-040-00-6	A complex combination of hydrocarbons obtained during the production of refined petroleum tar by the distillation of steam cracked tar. It consists predominantly of aromatic and other hydrocarbons and organic sulfur compounds.	090669-75-3
649-041-00-1	A complex residuum from the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C24 and boiling above approximately 390°C (734°F).	090669-76-4
649-042-00-7	A complex combination of hydrocarbons obtained by the distillation of crude petroleum. It consists predominantly of aliphatic, aromatic and cycloaliphatic hydrocarbons having carbon numbers predominantly higher than C25 and boiling above approximately 400°C (752°F).	092045-14-2
649-043-00-2	A complex combination of hydrocarbons produced as the residual fraction from the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C11 and boiling above approximately 200°C (392°F).	092061-97-7
649-044-00-8	A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process which has been used as a heat transfer fluid. It consists predominantly of hydrocarbons boiling in the range of approximately 220°C to 450°C (428°F to 842°F). The stream is likely to contain organic sulfur compounds.	092201-59-7
649-045-00-3	A complex combination of hydrocarbons, sulfur compounds and metal-containing organic compounds obtained as the residue from refinery fractionation cracking processes. It produces a finished oil with a viscosity above 2cst at 100°C	093821-66-0
649-046-00-9	A complex combination of hydrocarbons obtained by the treatment and distillation of raw steam cracked naphtha. It consists predominantly of unsaturated hydrocarbons boiling in the range above approximately 180°C (356°F).	098219-64-8
649-047-00-4	A complex combination of hydrocarbons obtained by treating a petroleum stock with hydrogen. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C9 through C25 and boiling approximately in the range of approximately 150°C to 400°C (302°F to 752°F).	101316-57-8
649-048-00-X	A complex combination of hydrocarbons produced as the residual fraction from distillation of the product from a catalytic reforming process. It consists of predominantly aromatic hydrocarbons having carbon numbers predominantly in the range of C10 through C25 and boiling in the range of approximately 160°C to 400°C (320°F to 725°F). This stream is likely to contain 5 wt. % or more of 4- or 6-membered condensed ring aromatic hydrocarbons.	064741-67-9
649-049-00-5	A complex combination of hydrocarbons. It consists predominantly of aliphatic, alicyclic and aromatic hydrocarbons. It may also contain small amounts of nitrogen, oxygen and sulfur compounds. This category encompasses light, medium and heavy petroleums, as well as the oils extracted from tar sands. Hydrocarbonaceous materials requiring major chemical changes for their recovery or conversion to petroleum refinery feedstocks such as crude shale oils, upgraded shale oils and liquid coal fuels are not included in this definition.	008002-05-9

Index number	EINECS description	CAS Number
649-050-00-0	A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated aliphatic hydrocarbons normally present in this distillation range of crude oil.	064741-50-0
649-051-00-6	A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS AT 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated aliphatic hydrocarbons.	064741-51-1
649-052-00-1	A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 to C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064741-52-2
649-053-00-7	A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064741-53-3
649-054-00-2	A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-18-3
649-055-00-8	A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-19-4
649-056-00-3	A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of at least 100 SUS at 100°F (19cSt at 40°C).	064742-20-7
649-057-00-9	A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range C15 through C30 and produces a finished oil having a viscosity of less than 100 SUS at 100°F (19cSt at 40°C).	064742-21-8
649-058-00-4	A complex combination of hydrocarbons obtained from a treating process to remove acidic materials. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of aliphatic hydrocarbons.	064742-27-4
649-059-00-X	A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity less than 100 SUS at 100°F (19cSt at 40°C).	064742-28-5

Index number	EINECS description	CAS Number
649-060-00-5	A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-34-3
649-061-00-0	A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-35-4
649-062-00-6	A complex combination of hydrocarbons obtained from fractionation of catalytic cracked hydrocarbons and treated to remove acidic impurities. It consists of hydrocarbons having carbon numbers in the range of C2 through C4, predominantly C3.	068477-73-6
649-063-00-1	A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C 1 through C6.	068477-74-7
649-064-00-7	A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C 1 through C6, predominantly C 1 through C5.	068477-75-8
649-065-00-2	A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic polymerized naphtha. It consists of aliphatic hydrocarbons having carbon numbers in the range of C2 through C6, predominantly C2 through C4.	068477-76-9
649-066-00-8	A complex combination of hydrocarbons produced by distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers in the range of C1 through C6, predominantly C1 through C4.	068477-79-2
649-067-00-3	A complex combination of olefinic and paraffinic hydrocarbons having carbon numbers in the range of C3 through C5 which are used as alkylation feed. Ambient temperatures normally exceed the critical temperature of these combinations,	068477-83-8
649-068-00-9	A complex combination of hydrocarbons produced by distillation of products from a catalytic fractionation process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C4.	068477-85-0
649-069-00-4	A complex combination of hydrocarbons produced from distillation of the gas and gasoline fractions from the catalytic cracking process. It contains predominantly ethane and ethylene.	068477-86-1
649-070-00-X	A complex combination of hydrocarbons produced by the atmospheric distillation of a butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C4.	068477-87-2
649-071-00-5	A complex combination of hydrocarbons produced by the distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists predominantly of propylene with some ethane and propane.	068477-90-7
649-072-00-0	A complex combination of hydrocarbons produced by distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.	068477-91-8

Index number	EINECS description	CAS Number
649-073-00-6	A complex combination of hydrocarbons obtained by fractionation of miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers in the range of C 1 through C4, predominantly propane.	068477-94-1
649-074-00-1	A complex combination of hydrocarbons that is used as the feed into the Girbatol unit to remove hydrogen sulfide. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.	068477-95-2
649-076-00-2	A complex combination of hydrocarbons obtained from fractionation of catalytic cracked clarified oil and thermal cracked vacuum residue. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.	068478-21-7
649-077-00-8	A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.	068478-22-8
649-078-00-3	A complex combination of hydrocarbons obtained from the fractionation of products from catalytic cracking, catalytic reforming and hydrodesulfurizing processes treated to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 1 through C5.	068478-24-0
649-079-00-9	A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic reformed naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.	068478-26-2
649-080-00-4	A complex combination of hydrocarbons obtained from the fractionation stabilization of straight-run naphtha, distillation tail gas and catalytic reformed naphtha stabilizer tail gas. It consists of hydrocarbons having carbon numbers in the range of C3 through C6, predominantly butane and isobutane.	068478-32-0
649-081-00-X	A complex combination of hydrocarbons obtained from fractionation of distillate tail gas, straight-run naphtha, catalytic reformed naphtha stabilizer tail gas. It consists predominantly of hydrocarbons having carbon numbers in the range of C1 through C5, predominantly methane and ethane.	068478-33-1
649-082-00-5	A complex combination of hydrocarbons obtained from the thermal cracking of vacuum residues. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068478-34-2
649-083-00-0	A complex combination of hydrocarbons produced by distillation and condensation of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C3 through C4.	068512-91-4
649-084-00-6	A complex combination of hydrocarbons obtained by the fractionation of the full-range straight-run naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C2 through C6.	068513-15-5
649-085-00-1	A complex combination of hydrocarbon produced by the distillation of products from a hydrocracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4. It may also contain small amounts of hydrogen and hydrogen sulfide.	068513 - 16-6
649-086-00-7	A complex combination of hydrocarbons obtained by the stabilization of light straight-run naphtha. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C6.	068513 -17-7

Index number	EINECS description	CAS Number
649-087-00-2	A complex residuum from the distillation of streams from various refinery operations. It consists of hydrocarbons having carbon numbers in the range of C4 through C5 predominantly butane and boiling in the range of approximately -11.7°C to 27.8°C (11°F to 82°F).	068513-66-6
649-088-00-8	A complex combination of hydrocarbons provided by thermal cracking and absorber operations and by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of approximately minus 164°C to minus 0.5°C (-263°F to 31°F).	068514-31-8
649-089-00-3	A complex combination of hydrocarbons obtained by subjecting hydrocarbon gases to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of approximately minus 164°C to minus 0.5°C (-263°F to 31°F).	068514-36-3
649-090-00-9	A complex combination of hydrocarbons having carbon numbers predominantly in the range of C1 through C3 and boiling in the range of approximately minus 164°C to minus 42°C (-263°F to -44°F)	068527-16-2
649-092-00-X	A complex combination of hydrocarbons produced by the distillation of crude oil and/or the cracking of tower gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068602-83-5
649-095-00-6	A complex combination of hydrocarbons produced by the catalytic cracking of gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C4.	068606-27-9
649-096-00-1	A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists predominantly of butane, isobutane and butadiene.	068606-34-8
649-097-00-7	A complex combination obtained from various refinery processes. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068783-07-3
649-098-00-2	A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C3 through C5.	068783-64-2
649-099-00-8	A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers predominantly in the range of C2 through C4 and boiling in the range of approximately minus 51°C to minus 34°C (-60°F to -30°F).	068783-65-3
649-100-00-1	A complex combination of hydrocarbons produced by the fractionation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range C1 through C5.	068918-99-0
649-101-00-7	A complex combination of hydrocarbons obtained by the fractionation of combined naphtha streams. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068919-00-6
649-102-00-2	A complex combination of hydrocarbons obtained by the fractionation of light straight-run gasoline. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C 1 through C5.	068919-05-1
649-103-00-8	A complex combination of hydrocarbons produced by a naphtha unifier desulfurization process and stripped from the naphtha product. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C 1 through C4.	068919-06-2

Index number	EINECS description	CAS Number
649-104-00-3	A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and fractionation of the total effluent. It consists of methane, ethane and propane.	068919-09-5
649-105-00-9	A complex combination of hydrocarbons produced by the fractionation of the charge to the C3-C4 splitter. It consists predominantly of C3 hydrocarbons.	068919-20-0
649-106-00-4	A complex combination of hydrocarbons obtained from the fractionation of the liquid from the first tower used in the distillation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C 1 through C4.	068919-10-8
649-107-00-X	A complex combination of hydrocarbons obtained from fractionation of catalytic cracked naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.	068952-76-1
649-108-00-5	A complex combination of hydrocarbons obtained by the fractionation of catalytic cracked naphtha and distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 1 through C4.	068952-77-2
649-109-00-0	A complex combination of hydrocarbons obtained from the separation of thermal-cracked distillates, naphtha and gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 1 through C6.	068952-81-8
649-110-00-6	A complex combination of hydrocarbons obtained from the fractionation stabilization of thermal cracked hydrocarbons from petroleum coking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C 1 through C6.	068952-82-9
649-111-00-1	A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process. It consists of hydrocarbons having a carbon number predominantly of C4.	068955-28-2
649-112-00-7	A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and the fractionation of the total effluent. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.	068955-34-0
649-115-00-3	A complex combination of hydrocarbons produced by the distillation of products from a stream cracking process. It consists predominantly of propylene with some propane and boils in the range of approximately minus 70°C to 0°C (minus 94°F to 32°F).	092045-22-2
649-116-00-9	A complex combination of hydrocarbons produced by the distillation of the products of a stream cracking process. It consists predominantly of hydrocarbons having a carbon number of C4, predominantly I-butane and 2-butane, containing also butane and isobutane and boiling in the range of approximately minus 12°C to 5°C (10.4°F to 41°F).	092045-23-3
649-117-00-4	A complex combination of hydrocarbons obtained by subjecting a liquified petroleum gas mix to a sweetening process to oxidize mercaptans or to remove acidic impurities. It consists predominantly of C4 saturated and unsaturated hydrocarbons.	092045-80-2
649-120-00-0	The feed gas to the amine system for removal of hydrogen sulfide. It consists of hydrogen, Carbon monoxide, carbon dioxide, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5 may also be present.	068477-65-6

Index number	EINECS description	CAS Number
649-121-00-6	Off gases produced by the benzene unit. It consists primarily of hydrogen. Carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6, including benzene, may also be present.	068477-66-7
649-122-00-1	A complex combination of hydrocarbons obtained by recycling the gases of the benzene unit. It consists primarily of hydrogen with various small amounts of carbon monoxide and hydrocarbons having carbon numbers in the range of C1 through C6.	068477-67-8
649-123-00-7	A complex combination of hydrocarbons obtained by distillation of a blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide, and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068477-68-9
649-124-00-2	A complex combination of hydrocarbons obtained from the stabilization of catalytic reformed naphtha. It consists of hydrogen and saturated hydrocarbons having carbon numbers predominantly in the range of C 1 through C4.	068477-77-0
649-125-00-8	A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C6-C8 feed and recycled to conserve hydrogen. It consists primarily of hydrogen. It may also contain various small amounts carbon monoxide, carbon dioxide, nitrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.	068477-80-5
649-126-00-3	A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C6-C8 feed. It consists of hydrocarbons having carbon numbers in the range of C1 through C5 and hydrogen.	068477-81-6
649-128-00-4	A complex combination of hydrocarbons obtained by the extraction of hydrogen from a gas stream which consists primarily of hydrogen with small amounts of nitrogen, carbon monoxide, methane, ethane, and ethylene. It contains predominantly hydrocarbons such as methane, ethane, and ethylene with small amounts of hydrogen, nitrogen and carbon monoxide.	068477-84-9
649-129-00-X	The complex combination of dry gases from a gas concentration unit. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.	068477-92-9
649-130-00-5	A complex combination of hydrocarbons produced by distillation of products from combined gas streams in a gas concentration reabsorber. It consists predominantly of hydrogen, carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide and hydrocarbons having carbon numbers in the range of C1 through C3.	068477-93-0
649-131-00-0	A complex combination obtained by absorbing hydrogen from a hydrogen rich stream. It consists of hydrogen, carbon monoxide, nitrogen, and methane with small amounts of C2 hydrocarbons.	068477-96-3
649-132-00-6	A complex combination separated as a gas from hydrocarbon gases by chilling. It consists primarily of hydrogen with various small amounts of carbon monoxide, nitrogen, methane, and C2 hydrocarbons.	068477-97-4
649-133-00-1	A complex combination obtained from recycled hydrotreated blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C 1 through C5.	068477-98-5
649-134-00-7	A complex combination obtained from recycled reactor gases. It consists primarily of hydrogen with various small amounts of carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having carbon numbers in the range of C1 through C5.	068478-00-2

Index number	EINECS description	CAS Number
649-135-00-2	A complex combination obtained from the reformers. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068478-01-3
649-136-00-8	A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen, methane, and ethane with various small amounts of hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C5.	068478-02-4
649-137-00-3	A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen and methane with various small amounts of carbon monoxide, carbon dioxide, nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C5.	068478-03-5
649-138-00-9	A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068478-04-6
649-139-00-4	A complex combination produced by distillation of products from a thermal cracking process. It consists of hydrogen, hydrogen sulfide, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.	068478-05-7
649-140-00-X	A complex combination of hydrocarbons obtained from refractionation of products from a catalytic cracking process. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.	068478-25-1
649-141-00-5	A complex combination of hydrocarbons obtained from the catalytic reforming of straight run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.	068478-27-3
649-142-00-0	A complex combination of hydrocarbons obtained from the stabilization of catalytic reformed naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.	068478-28-4
649-143-00-6	A complex combination of hydrocarbons obtained by treating cracked distillates with hydrogen in the presence of a catalyst. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068478-29-5
649-144-00-1	A complex combination of hydrocarbons obtained from hydrodesulfurization of straight-run naphtha. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.	068478-30-8
649-145-00-7	A complex combination of hydrocarbons obtained from the catalytic reforming of straight-run naphtha followed by fractionation of the total effluent. It consists of hydrogen, methane, ethane and propane.	068513-14-4
649-146-00-2	A complex combination produced by the high-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.	068513-18-8
649-147-00-8	A complex combination produced by low-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.	068513-19-9

Index number	EINECS description	CAS Number
649-148-00-3	A complex combination separated by distillation of a gas stream containing hydrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers in the range of C1 through C6 or obtained by cracking ethane and propane. It consists of hydrocarbons having carbon numbers predominantly in the range of C 1 through C2, hydrogen, nitrogen, and carbon monoxide.	068527-15-1
649-149-00-9	A complex combination produced by treating the feed from the benzene unit with hydrogen in the presence of a catalyst followed by depentanizing. It consists primarily of hydrogen, ethane and propane with various small amounts of nitrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6. It may contain trace amounts of benzene.	068602-82-4
649-150-00-4	A complex combination produced by the fractionation of the overhead products from the catalytic cracking process in the fluidized catalytic cracker. It consists of hydrogen, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.	068602-84-6
649-151-00-X	A complex combination which consists primarily of hydrogen with various small amounts of methane, ethane, and propane.	068607-11-4
649-152-00-5	A complex combination obtained by the liquid-vapor separation of the hydrocracking process reactor effluent. It consists predominantly of hydrogen and saturated hydrocarbons having carbon numbers predominantly in the range of C1 through C3.	068783-06-2
649-153-00-0	A complex combination obtained from various petroleum refining operations. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.	068814-67-5
649-154-00-6	A complex combination obtained from the chemical reforming of naphthenes to aromatics. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.	068814-90-4
649-155-00-1	The complex combination obtained from the depentanizer stabilization of hydrotreated kerosine. It consists primarily of hydrogen, methane, ethane, and propane with various small amounts of nitrogen, hydrogen sulfide, carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C4 through C5.	068911-58-0
649-156-00-7	A complex combination obtained from the flash drum of the unit treating sour kerosine with hydrogen in the presence of a catalyst. It consists primarily of hydrogen and methane with various small amounts of nitrogen, carbon monoxide, and hydrocarbons having carbon numbers predominantly in the range of C2 through C5.	068911-59-1
649-157-00-2	A complex combination stripped from the liquid product of the unifier desulfurization process. It consists of hydrogen sulfide, methane, ethane, and propane.	068919-01-7
649-158-00-8	A complex combination produced by the fractionation of the overhead product of the fluidized catalytic cracking process. It consists of hydrogen, hydrogen sulfide, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068919-02-8
649-159-00-3	A complex combination produced by scrubbing the overhead gas from the fluidized catalytic cracker. It consists of hydrogen, nitrogen, methane, ethane and propane.	068919-03-9
649-160-00-9	A complex combination stripped from the liquid product of the heavy distillate hydrotreater desulfurization process. It consists of hydrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C 1 through C5.	068919-04-0

Index number	EINECS description	CAS Number
649-161-00-4	A complex combination obtained by the fractionation of the light ends of the platinum reactors of the platformer unit. It consists of hydrogen, methane, ethane, and propane.	068919-07-3
649-162-00-X	A complex combination produced from the first tower used in the distillation of crude oil. It consists of nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068919-08-4
649-163-00-5	A complex combination obtained by the fractionation of reduced crude oil. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C4.	068919-11-9
649-164-00-0	A combination of hydrogen and methane obtained by fractionation of the products from the unifiner unit.	068919-12-0
649-165-00-6	A complex combination of hydrocarbons obtained from the hydrodesulfurization of naphtha. It consists of hydrogen, methane, ethane, and propane.	068952-79-4
649-166-00-1	A complex combination obtained from the hydrodesulfurization of straight-run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068952-80-7
649-167-00-7	A complex combination obtained by the fractionation of products from the fluidized catalytic cracker and gas oil desulfurizer. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C4.	068955-33-9
649-168-00-2	A complex combination produced by crude distillation and catalytic cracking processes. It consists of hydrogen, hydrogen sulfide, nitrogen, carbon monoxide and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.	068989-88-8
649-169-00-8	A complex combination produced by desulfurization of gas oils with diethanolamine. It consists predominantly of hydrogen sulfide, hydrogen and aliphatic hydrocarbons having carbon numbers in the range of C1 through C5.	092045-15-3
649-170-00-3	A complex combination obtained by separation of the liquid phase from the effluent from the hydrogenation reaction. It consists predominantly of hydrogen, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C3.	092045-16-4
649-171-00-9	A complex combination of gases obtained from the reformer and from the purges from the hydrogenation reactor. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C4.	092045-17-5
649-172-00-4	A complex combination of gases obtained from flash of the effluents after the hydrogenation reaction. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.	092045-18-6
649-173-00-X	A complex combination obtained as a mixture of the non-condensable portions from the product of a naphtha steam cracking process as well as residual gases obtained during the preparation of subsequent products. It consists predominantly of hydrogen and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C1 through C5 with which natural gas may also be mixed.	092045-19-7
649-174-00-5	A complex combination obtained from viscosity reduction of residues in a furnace. It consists predominantly of hydrogen sulfide and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	092045-20-0

Index number	EINECS description	CAS Number
649-175-00-0	A complex combination of hydrocarbons obtained by the treatment of Foot's oil with sulfuric acid. It consists predominantly of branched-chain hydrocarbons with carbon-numbers predominantly in the range of C20 through C50.	093924-31-3
649-176-00-6	A complex combination of hydrocarbons obtained by the treatment of Foot's oil with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists predominantly of branched chain hydrocarbons with carbon numbers predominantly in the range of C20 through C50.	093924-32-4
649-177-00-1	A complex combination of hydrocarbons produced by distillation of products from the cracking of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C4, predominantly of propane and propylene, and boiling in the range of approximately minus 5 1°C to minus 1°C (-60°F to 30°F.)	068131-75-9
649-178-00-7	The complex combination of hydrocarbons from the distillation of the products from catalytic cracked distillates and catalytic cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C1 through C4.	068307-98-2
649-179-00-2	A complex combination of hydrocarbons from the fractionation stabilization products from polymerization of naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C1 through C4.	068307-99-3
649-180-00-8	A complex combination of hydrocarbons obtained from fractionation stabilization of catalytic reformed naphtha and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.	068308-00-9
649-181-00-3	A complex combination of hydrocarbons obtained by treating thermal cracked distillates with hydrogen in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C1 through C6.	068308-01-0
649-182-00-9	A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of straight run distillates and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.	068308-10-1
649-183-00-4	A complex combination of hydrocarbons obtained from the distillation of products from the catalytic cracking of gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068308-03-2
649-184-00-X	A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068308-04-3
649-185-00-5	A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists of hydrocarbon having carbon numbers predominantly in the range of C1 through C4.	068308-05-4
649-186-00-0	A complex combination of hydrocarbons obtained from fractionation of hydrodesulfurized naphtha and distillate hydrocarbon streams and treated to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068308-06-5

Index number	EINECS description	CAS Number
649-187-00-6	A complex Combination of hydrocarbons obtained from stripping stabilization of catalytic hydrodesulfurized vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.	068308-07-6
649-188-00-1	A complex combination of hydrocarbons obtained from fractionation stabilization of light straight run naphtha and from which hydrogen sulphide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068308-09-8
649-189-00-7	A complex combination of hydrocarbons obtained from the distillation of the reaction products of propane with propylene. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.	068308-11-2
649-190-00-2	A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 1 through C6.	068308-12-3
649-191-00-8	A complex combination of hydrocarbons produced by the distillation of products from the catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C5 and boiling in the range of approximately minus 48°C to 32°C (-54°F to 90°F).	068409-99-4
649-197-00-0	A combination of light gases. It consists predominantly of hydrogen and/or low molecular weight hydrocarbons.	068476-26-6
649-198-00-6	A complex combination of light gases produced by distillation of crude oil and by catalytic reforming of naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C 1 through C4 and boiling in the range of approximately minus 2 17°C to minus 12°C (-423°F to 10°F).	068476-29-9
649-202-00-6	A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately minus 40°C to 80°C (-40°F to 176°F).	068476-85-7
649-203-00-1	A complex combination of hydrocarbons obtained by subjecting liquefied petroleum gas mix to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately minus 40°C to 80°C (-40°F to 176°F).	068476-86-8
649-204-00-7	A complex combination of hydrocarbons from the distillation of saturated and unsaturated hydrocarbons usually ranging in carbon numbers from C3 through C6, predominantly butane and isobutane. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C3 through C4, predominantly isobutane.	068477-33-8
649-205-00-2	A complex combination of hydrocarbons from the distillation of saturated and unsaturated aliphatic hydrocarbons usually ranging in the carbon numbers C3 through C6. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C3 through C6, predominantly piperylenes.	068477-35-0
649-206-00-8	A complex combination of hydrocarbons obtained from the distillation of the butane stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C4.	068477-69-0

Index number	EINECS description	CAS Number
649-207-00-3	A complex combination of hydrocarbons produced by the distillation of products from a catalytic fractionation process. It contains predominantly ethane, ethylene, propane, and propylene.	068477-70-3
649-208-00-9	A complex combination of hydrocarbons obtained from fractionation of catalytic cracked gas oil hydrocarbon stream and treated to remove hydrogen sulfide and other acidic components. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C4.	068477-71-4
649-209-00-4	A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C5.	068477-72-5
649-210-00-X	A complex combination of hydrocarbons obtained from the fractionation stabilization products from isomerized naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.	068308-08-7
649-211-00-5	A complex combination of hydrocarbons obtained by the treatment of Foot's oil with activated carbon for the removal of trace constituents and impurities. It consists predominantly of saturated straight chain hydrocarbons having carbon numbers predominantly greater than C 12.	097862-76-5
649-212-00-0	A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of approximately 150°C to 345°C (302°F to 653°F).	064741-86-2
649-213-00-6	A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205°C to 400°C (401 °F to 752°F).	064741-90-8
649-214-00-1	A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of approximately 150°C to 345°C (302°F to 653°F).	064741-91-9
649-215-00-7	A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C13 through C25 and boiling in the range of approximately 230°C to 400°C (446°F to 752°F).	064742-12-7
649-216-00-2	A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C20 and boiling in the range of approximately 205°C to 345°C (401°F to 653°F).	064742-13-8
649-217-00-8	A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150°C to 290°C (302°F to 554°F).	064742-14-9
649-218-00-3	A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C13 through C25 and boiling in the range of approximately 230°C to 400°C (446°F to 752 °F)	064742-29-6
649-219-00-9	A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C 11 through C20 and boiling in the range of approximately 205°C to 345°C (401°F to 653°F).	064742-30-9

Index number	EINECS description	CAS Number
649-220-00-4	A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of approximately 150°C to 345°C (302°F to 653°F).	064742-38-7
649-221-00-X	A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205°C to 400°C (401°F to 752°F).	064742-46-7
649-222-00-5	A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C13 through C25 and boiling in the range of approximately 230°C to 400°C (446°F to 752°F).	064742-79-6
649-223-00-0	A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205°C to 400°C (401°F to 752°F).	064742-80-9
649-224-00-6	A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of approximately 163°C to 357°C (325°F to 675°F).	068334-30-5
649-225-00-1	A distillate oil having a minimum viscosity of 32.6 SUS at 37.7°C (100°F) to a maximum of 37.9 SUS at 37.7°C (100°F).	068476-30-2
649-226-00-7	A distillate oil having a minimum viscosity of 45 SUS at 37.7°C (100°F) to a maximum of 125 SUS at 37.7°C (100°F).	068476-31-3
649-227-00-2	A distillate oil having a minimum viscosity of 32.6 SUS at 37.7°C (100°F) to a maximum of 40.1 SUS at 37.7°C (100°F).	068476-34-6
649-228-00-8	A complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils in the range of approximately 343°C to 399°C (650°F to 750°F).	068477-29-2
649-229-00-3	A complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils in the range of approximately 288°C to 371°C (550°F to 700°F).	068477-30-5
649-230-00-9	The complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils approximately below 288°C (550°F).	068477-31-6
649-231-00-4	A complex combination of hydrocarbons obtained by the subjection of a petroleum fraction to several of the following steps: filtration, centrifugation, atmospheric distillation, vacuum distillation, acidification, neutralization, and clay treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C10 through C20.	090640-93-0
649-232-00-X	A complex combination of hydrocarbons obtained from the distillation of a catalytically reformed petroleum cut. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C10 through C16 and boiling in the range of approximately 200°C to 300°C (392°F to 572°F).	091995-34-5

Index number	EINECS description	CAS Number
649-233-00-5	A distillate obtained from the redistillation of a complex combination of hydrocarbons obtained by the distillation of the effluents from a severe catalytic hydrotreatment of paraffins. It boils in the range of approximately 190°C to 330°C (374°F to 594°F).	093924-33-5
649-235-00-6	A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of a middle distillate with hydrogen. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C16 through C20 and boiling in the range of approximately 290°C to 350°C (554°F to 662°F). It produces a finished oil having a viscosity of 2cSt at 100°C (212°F).	097675-85-9
649-236-00-1	A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of heavy paraffins with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 12 through C20 and boiling in the range of approximately 230°C to 350°C (446°F to 662°F). It produces a finished oil having a viscosity of 2cSt at 100°C (212°F).	097675-86-0
649-237-00-7	A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 2.2cSt at 40°C (104°F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 11 through C 17 and boiling in the range of approximately 200°C to 300°C (392°F to 572°F).	097722-08-2
649-238-00-2	A complex combination of hydrocarbons obtained from the redistillation of the effluents from the treatment of paraffins with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C27 and boiling in the range of approximately 330°C to 340°C (626°F to 644°F).	097862-78-7
649-239-00-8	A complex combination of hydrocarbons obtained by the treatment of a petroleum oil fraction with activated charcoal for the removal of traces of polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C12 through C28.	100683-97-4
649-240-00-3	A complex combination of hydrocarbons obtained by the treatment of petroleum with activated charcoal for the removal of trace polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C16 through C36.	100683-98-5
649-241-00-9	A complex combination of hydrocarbons obtained by the treatment of petroleum with bleaching earth for the removal of trace polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C16 through C36.	100683-99-6
649-243-00-X	A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. May contain organic salts of alkali metals, alkaline earth metals, and or aluminium compounds.	074869-21-9
649-244-00-5	A complex combination of hydrocarbons obtained from a petroleum fraction by solvent crystallization (solvent dewaxing) or as a distillation fraction from a very waxy crude. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C20.	064742-61-6
649-245-00-0	A complex combination of hydrocarbons obtained as a raffinate by treatment of a petroleum slack wax fraction with sulfuric acid treating process. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C20.	090669-77-5

Index number	EINECS description	CAS Number
649-246-00-6	A complex combination of hydrocarbons obtained by treatment of a petroleum slack wax fraction with natural or modified clay in either a contacting or percolation process. It consists predominantly of saturated straight and branched hydrocarbons having carbon numbers predominantly greater than C20.	090669-78-6
649-247-00-1	A complex combination of hydrocarbons obtained by treating slack wax with hydrogen in the presence of a catalyst. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C20.	092062-09-4
649-248-00-7	A complex combination of hydrocarbons obtained from a petroleum fraction by solvent deparaffination. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.	092062-10-7
649-249-00-2	A complex combination of hydrocarbons obtained by treatment of low-melting petroleum slack wax with hydrogen in the presence of catalyst. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.	092062-11-8
649-250-00-8	A complex combination of hydrocarbons obtained by the treatment of low-melting slack wax with activated carbon for the removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.	097863-04-2
649-251-00-3	A complex combination of hydrocarbons obtained by the treatment of low-melting petroleum slack wax with bentonite for removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.	097863-05-3
649-252-00-9	A complex combination of hydrocarbons obtained by the treatment of low-melting petroleum slack wax with silicic acid for the removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.	097863-06-4
649-253-00-4	A complex combination of hydrocarbons obtained by treatment of petroleum slack wax with activated charcoal for the removal of trace polar constituents and impurities.	100684-49-9
649-254-00-X	A complex combination of hydrocarbons obtained as a semi-solid from dewaxing paraffinic residual oil. It consists predominantly of saturated crystalline and liquid hydrocarbons having carbon numbers predominantly greater than C25.	008009-03-8
649-255-00-5	A complex combination of organic compounds, predominantly high molecular weight carboxylic acids, obtained by the air oxidation of petrolatum.	064743-01-7
649-256-00-0	A complex combination of hydrocarbons obtained when petrolatum is treated with A1203 (aluminium oxide) to remove polar components and impurities. It consists predominantly of saturated, crystalline, and liquid hydrocarbons having carbon numbers predominantly greater than C25.	085029-74-9
649-257-00-6	A complex combination of hydrocarbons obtained as a semi-solid from dewaxed paraffinic residual oil treated with hydrogen in the presence of a catalyst. It consists predominantly of saturated microcrystalline and liquid hydrocarbons having carbon numbers predominantly greater than C20.	092045-77-7
649-258-00-1	A complex Combination of hydrocarbons obtained by the treatment of petroleum petrolatum with activated carbon for the removal of trace polar constituents and impurities. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly greater than C20.	097862-97-0

Index number	EINECS description	CAS Number
649-259-00-7	A complex combination of hydrocarbons obtained by the treatment of petroleum petrolatum with silicic acid for the removal of trace polar constituents and impurities. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly greater than C20.	097862-98-1
649-260-00-2	A complex combination of hydrocarbons obtained by the treatment of petrolatum with bleaching earth for the removal of traces of polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of greater than C25.	100684-33-1
649-261-00-8	A complex combination of hydrocarbons separated from natural gas by processes such as refrigeration or absorption. It consists predominantly of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C8 and boiling in the range of approximately minus 20 to 120°C (-4°F to 248°F).	008006-61-9
649-262-00-3	Refined, partly refined, or unrefined petroleum products produced by the distillation of natural gas. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C6 and boiling in the range of approximately 100°C to 200°C (212°F to 392°F).	008030-30-6
649-263-00-9	A complex combination of hydrocarbons obtained by the fractional distillation of petroleum. This fraction boils in a range of approximately 20°C to 135°C (58°F to 275°F).	008032-32-4
649-264-00-4	A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).	064741-41-9
649-265-00-X	A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 220°C (-4°F to 428°F).	064741-42-0
649-266-00-5	A complex combination of hydrocarbons produced by the distillation of crude oil. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C10 and boiling in the range of approximately minus 20°C to 180°C (-4°F to 356°F).	064741-46-4
649-267-00-0	A complex combination of hydrocarbons obtained from the distillation of crude oil or natural gasoline. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C5 and C 10 and boiling in the range of approximately 35°C to 1 60°C (95°F to 320°F).	064742-89-8
649-268-00-6	A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C2 through C7 and boiling in the range of approximately -88°C to 99°C (-127°F to 210°F).	068410-05-9
649-269-00-1	A complex combination of hydrocarbons separated from the gases from vapour recovery systems by cooling. It consists of hydrocarbons having carbon numbers predominantly in the range C4 through C 1 1 and boiling in the range approximately minus 20°C to 196°C (-4°F to 384°F).	068514-15-8
649-270-00-7	A complex combination of hydrocarbons produced from the topping plant by the distillation of crude oil. It boils in the range approximately 36. 1°C to 193.3°C (97°F to 380°F).	068606-11-1
649-271-00-2	A complex combination of hydrocarbons produced from the distillation of naphtha streams from various refinery processes. It consists of hydrocarbons having carbon numbers predominantly in the range C5 through C 12 and boiling in the range of approximately 0°C to 230°C (25°F to 446°F).	068783-12-0

Index number	EINECS description	CAS Number
649-272-00-8	A complex combination of hydrocarbons having carbon numbers predominantly in the range of C3 through C6.	068921-08-4
649-273-00-3	A complex combination of hydrocarbons obtained from a distillation process of crude petroleum. It consists predominantly of hydrocarbons having carbon numbers in the range of C8 through C12 and boiling in the range of approximately 130°C to 210°C (266°F to 410°F).	101631-20-3
649-274-00-9	A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5. It consists predominantly of branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 220°C (194°F to 428°F).	064741-64-6
649-275-00-4	A complex combination of hydrocarbons produced by the distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 to C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C9 through C12 and boiling in the range of approximately 150°C to 220°C (302°F to 428°F).	064741-65-7
649-276-00-X	A complex combination of hydrocarbons produced by the distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C7 through C10 and boiling in the range of approximately 90°C to 160°C (194°F to 320°F).	064741-66-8
649-277-00-5	A complex combination of hydrocarbons obtained from catalytic isomerisation of straight chain paraffinic C4 through C6 hydrocarbons. It consists predominantly of saturated hydrocarbons such as isobutane, isopentane, 2,2-dimethylbutane, 2-methylpentane, and 3-methylpentane.	064741-70-4
649-278-00-0	A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 35°C to 190°C (95°F to 374°F).	064741-84-0
649-279-00-6	A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446°F).	064741-92-0
649-280-00-1	A complex combination of hydrocarbons obtained as the raffinate from the UDEX extraction process on the catalytic reformer stream. It consists of saturated hydrocarbons having carbon numbers predominantly in the range of C6 through C9.	068410-71-9
649-281-00-7	The complex combination of hydrocarbons obtained as a raffinate from a Lurgi separation unit. It consists predominantly of non-aromatic hydrocarbons with various small amounts of aromatic hydrocarbons having carbon numbers predominantly in the range of C6 through C8.	068425-35-4
649-282-00-2	A complex combination of hydrocarbons produced by the distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C7 through C12 with some butanes and boiling in the range of approximately 35°C to 200°C (95°F to 428°F).	068527-27-5
649-283-00-8	A complex combination of hydrocarbons obtained as the raffinates from a solvent extraction process of hydrotreated light distillate from steam-cracked naphtha.	091995-53-8

Index number	EINECS description	CAS Number
649-284-00-3	A complex combination of hydrocarbons obtained by alkylation of butanes. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C12, rich in isooctane, and boiling in the range of approximately 35°C to 210°C (95°F to 410°F).	092045-49-3
649-285-00-9	A combination of hydrocarbons obtained from the distillation of hydrotreated naphtha followed by a solvent extraction and distillation process. It consists predominantly of saturated hydrocarbons boiling in the range of approximately 94°C to 99°C (201°F to 210°F).	092045-55-1
649-286-00-4	A complex combination of hydrocarbons obtained by the distillation of a gasoline which has been catalytically isomerized. It consists predominantly of hexane isomers boiling in the range of approximately 60°C to 66°C (140°F to 151°F).	092045-58-4
649-287-00-X	A complex combination of hydrocarbons obtained by the sorption of benzene from a catalytically fully hydrogenated benzene-rich hydrocarbon cut that was distillatively obtained from prehydrogenated cracked naphtha. It consists predominantly of paraffinic and naphthenic hydrocarbons having carbon numbers predominantly in the range of C6 through C7 and boiling in the range of approximately 70°C to 100°C (158°F to 212°F).	092045-64-2
649-288-00-5	A complex combination of hydrocarbons obtained by the distillation of hydrotreated naphtha followed by solvent extraction. It consists predominantly of saturated hydrocarbons and boiling in the range of approximately 65°C to 70°C (149°F to 158°F).	101316-67-0
649-289-00-0	A complex combination of hydrocarbons produced by a distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65°C to 230°C (148°F to 446°F). It contains a relatively large proportion of unsaturated hydrocarbons.	064741-54-4
649-290-00-6	A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F). It contains a relatively large proportion of unsaturated hydrocarbons.	064741-55-5
649-291-00-1	A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C11 and boiling in a range approximately up to 204°C (400°F).	068476-46-0
649-292-00-7	A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.	068783-09-5
649-293-00-2	A complex combination of hydrocarbons obtained by the treating a light distillate from steam cracked naphtha. It consists predominantly of aromatic hydrocarbons.	091995-50-5
649-294-00-8	A complex combination of hydrocarbons obtained by subjecting a catalytic cracked petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 60°C to 200°C (140°F to 392°F).	092045-50-6
649-295-00-3	A complex combination of hydrocarbons obtained by subjecting naphtha from a catalytic cracking process to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons boiling in the range of approximately 35°C to 210°C (95°F to 410°F).	092045-59-5

Index number	EINECS description	CAS Number
649-296-00-9	A complex Combination of hydrocarbons produced by the distillation of a cut from the catalytic cracking process, having undergone an alkaline washing. It consists predominantly of hydrocarbons having carbon numbers in the range of C8 through C12 and boiling in the range of approximately 130°C to 210°C (266°F to 410°F).	092128-94-4
649-297-00-4	A complex combination of hydrocarbons obtained by the distillation of products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C8 through C 12 and boiling in the range of approximately 140°C to 2 10°C (284°F to 410°F).	101794-97-2
649-299-00-5	A complex combination of hydrocarbons produced from the distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 35°C to 190°C (95°F to 374°F). It contains a relatively high proportion of aromatic and branched chain hydrocarbons. This stream may contain 10 vol % or more benzene.	064741-63-5
649-300-00-9	A complex combination of hydrocarbons produced from the distillation of products from a catalytic reforming process. It consists of predominantly aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling-in the range of approximately 90°C to 230°C (194°F to 446°F).	064741-68-0
649-301-00-4	A complex combination of hydrocarbons from the distillation of products from a catalytic reforming process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C6 and boiling in the range of approximately minus 49°C to 63°C (-57°F to 145°F).	068475-79-6
649-303-00-5	A complex residuum from the catalytic reforming of C6-C8 feed. It consists of hydrocarbons having carbon numbers predominantly in the range of C2 through C6.	068478-15-9
649-304-00-0	A complex combination of hydrocarbons obtained from the distillation of products from a catalytic reforming process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range C5 through C8 and boiling in the range of approximately 35°C to 120°C (95°F to 248°F). It contains a relatively large proportion of branched chain hydrocarbons with the aromtic components removed.	068513-03-1
649-305-00-6	A complex combination of hydrocarbons obtained by the catalytic reforming of straight run naphtha followed by the fractionation of the total effluent. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C6.	068513-63-3
649-306-00-1	The complex combination of hydrocarbons obtained in a hydrofiner-powerformer process and boiling in a range of approximately 27°C to 210°C (80°F to 410°F).	068514-79-4
649-307-00-7	A complex combination of hydrocarbons produced by the distillation of the products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C12 and boiling in the range of approximately 35°C to 230°C (95°F to 446°F).	068919-37-9
649-308-00-2	A complex combination of hydrocarbons produced by the distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately 30°C to 220°C (90°F to 430°F). It contains a relatively large proportion of aromatic and branched chain hydrocarbons. This stream may contain 10 vol.% or more benzene.	068955-35-1

Index number	EINECS description	CAS Number
649-309-00-8	A complex combination of alkylbenzenes obtained by catalytic reforming of petroleum naphtha. It consists predominantly of alkylbenzenes having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 160°C to 180°C (320°F to 356°F).	085116-58-1
649-311-00-9	A complex combination of hydrocarbons obtained by separation from the platformate-containing fraction. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 (primarily C8) and can contain nonaromatic hydrocarbons both boiling in the range of approximately 130°C to 200°C (266°F to 392°F).	093571-75-6
649-312-00-4	A complex high octane combination of hydrocarbons obtained by the catalytic dehydrogenation of a predominantly naphthenic naphtha. It consists predominantly of aromatics and non-aromatics having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 45°C to 185°C (113°F to 365°F).	093572-29-3
649-313-00-X	A complex combination of hydrocarbons obtained by separation from the platformate-containing fraction. It consists predominantly of nonaromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 120°C to 210°C (248°F to 380°F) and C9 and higher aromatic hydrocarbons.	093572-35-1
649-314-00-5	A complex combination of hydrocarbons obtained by separation from the platformate containing fraction. It consists predominantly of nonaromatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 35°C to 125°C (94°F to 257°F), benzene and toluene.	093572-36-2
649-315-00-0	A complex combination of hydrocarbons obtained by the treatment of Foot's oil with silicic acid for the removal of trace constituents and impurities. It consists predominantly of straight chain hydrocarbons having carbon numbers predominantly greater than C12.	097862-77-6
649-316-00-6	A complex combination of hydrocarbons from distillation of products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C4 through C8 and boiling in the range of approximately minus 10°C to 130°C (14°F to 266°F).	064741-74-8
649-317-00-1	A complex combination of hydrocarbons from distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65°C to 220°C (148°F to 428°F).	064741-83-9
649-318-00-7	The complex combination of hydrocarbons from the distillation of the products from the thermal cracking of ethane and propane. This higher boiling point fraction consists predominantly of C5-C7 aromatic hydrocarbons with some unsaturated aliphatic hydrocarbons having carbon number predominantly C5. This stream may contain benzene.	067891-79-6
649-319-00-2	The complex combination of hydrocarbons from the distillation of the products from the thermal cracking of ethane and propane. This lower boiling point fraction consists predominantly of C5-C7 aromatic hydrocarbons with some unsaturated aliphatic hydrocarbons having a carbon number predominantly of C5. This stream may contain benzene.	067891-80-9
649-320-00-8	The complex combination of hydrocarbons obtained by the pyrolysis fractionation at 816°C (1500°F) of naphtha and raffinate. It consists predominantly of hydrocarbons having a carbon number of C9 and boiling at approximately 204°C (400°F).	068425-29-6

Index number	EINECS description	CAS Number
649-321-00-3	A complex combination of hydrocarbons obtained by the fractionation pyrolysis at 816°C (1500°F) of naphtha and raffinate. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C6 through C8, including benzene.	068475-70-7
649-322-00-9	A complex combination of hydrocarbons produced by the distillation of thermally cracked naphtha and/or gas/oil. It consists predominantly of olefinic hydrocarbons having a carbon number of C5 and boiling in the range of approximately 33°C to 60°C (91°F to 140°F).	068603-00-9
649-323-00-4	A complex combination of hydrocarbons produced by the extractive distillation of thermal cracked naphtha and/or gas/oil. It consists predominantly of hydrocarbons having a carbon number of C5 with some dimerized C5 olefins and boiling in the range of approximately 33°C to 184°C (91°F to 363°F).	068603-01-0
649-324-00-X	A complex Combination of hydrocarbons produced by the extractive distillation of thermal cracked naphtha and/or gas/oil. It consists of paraffinic and olefinic hydrocarbons, predominantly isoamylenes such as 2-methyl-1-butene and 2-methyl-2-butene and boiling in the range of approximately 31°C to 40°C (88°F to 104°F).	068603-03-2
649-325-00-5	A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process. It consists predominantly of aromatic hydrocarbons, primarily benzene.	068955-29-3
649-326-00-0	A complex combination of hydrocarbons obtained by subjecting a petroleum distillate from the high temperature thermal cracking of heavy oil fractions to a sweetening process to convert mercaptans. It consists predominantly of aromatics, olefins and saturated hydrocarbons boiling in the range of approximately 20°C to 100°C (68°F to 212°F).	092045-65-3
649-327-00-6	A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).	064742-48-9
649-328-00-1	A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F).	064742-49-0
649-329-00-7	A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F).	064742-73-0
649-330-00-2	A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446°F).	064742-82-1
649-331-00-8	A complex combination of hydrocarbons obtained by the distillation of products from a middle distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C10 and boiling in the range of approximately 127°C to 188°C (262°F to 370°F).	068410-96-8
649-332-00-3	A complex combination of hydrocarbons obtained by the distillation of products from the light distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C9 and boiling in the range of approximately 3°C to 194°C (37°F to 382°F).	068410-97-9

Index number	EINECS description	CAS Number
649-333-00-9	A complex Combination of hydrocarbons obtained by the distillation of the products from a heavy naptha hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range C3 through C6 and boiling in the range of approximately -49°C to 68°C (-57°F to 155°F).	068410-98-0
649-334-00-4	A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C 10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).	068512-78-7
649-335-00-X	A complex combination of hydrocarbons obtained by the fractionation of hydrodesulfurized thermal cracker distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range C5 to C11 and boiling in the range of approximately 23°C to 195°C (73°F to 383°F).	085116-60-5
649-336-00-5	A complex combination of hydrocarbons obtained from the distillation of a petroleum fraction. It consists predominantly of alkanes and cycloalkanes boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F).	085116-61-6
649-338-00-6	A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C 11 and boiling in the range of approximately 30°C to 250°C (86°F to 482°F).	092045-52-8
649-339-00-1	A complex combination of hydrocarbons obtained by treating a petroleum hction, derived from a pyrolysis process, with hydrogen in the presence of a catalyst. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C5 through C 11 and boiling in the range of approximately 35°C to 190°C (95°F to 374°F).	092045-57-3
649-340-00-7	A complex combination of hydrocarbons obtained by distillation from the product of a naphtha steam cracking process and subsequent catalytic selective hydrogenation of gum formers. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C 12 and boiling in the range of approximately 30°C to 2 0°C.(86°F to 446 °F).	092045-61-9
649-341-00-2	A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of cycloparaffinic hdyrocarbons having carbon numbers predominantly in the range of C6 through C7 and boiling in the range of approximately 73°C to 85°C (163°F to 185°F).	092062 - 1 5-2
649-342-00-8	A complex combination,of hydrocarbons produced from the separation and subsequent hydrogenation of the products of a steam-cracking process to produce ethylene. It consists predominantly of saturated and unsaturated paraffins, cyclic paraffins and cyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C4 through C10 and boiling in the range of approximately 50°C to 200°C (122°F to 392°F). The proportion of benzene hydrocarbons may vary up to 30 wt % and the stream may also contain small amounts of sulphur and oxygenated compounds.	093165-55-0
649-343-00-3	A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrogenation.	093763-33-8
649-344-00-9	A'complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrogenation.	093763-34-9
649-345-00-4	A colourless refined petroleum distillate that is free from rancid or objectionable odours and that boils in the range of approximately 300°F to 400°F	008052-41-3

Index number	EINECS description	CAS Number
649-346-00-X	A complex combination of hydrocarbons separated as a liquid from natural gas in a surface separator by retrograde condensation. It consists mainly of hydrocarbons having carbon numbers predominantly in the range of C2 to C20. It is a liquid at atmospheric temperature and pressure.	064741-47-5
649-347-00-5	A complex combination of hydrocarbons separated as a liquid from natural gas in a gas recycling plant by processes such as refrigeration or absorption. It consists mainly of saturated aliphatic hydrocarbons having carbon numbers in the range of C2 through C8.	064741-48-6
649-348-00-0	A complex combination of hydrocarbons from distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C4 through C10 and boiling in the range of approximately minus 20°C to 180°C (-4°F to 356°F).	064741-69-1
649-349-00-6	A complex combination of hydrocarbons from distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C6 through C12, and boiling in the range of approximately 65°C to 230°C (148°F to 446°F).	064741-78-2
649-350-00-1	A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately minus 10°C to 230°C (14°F to 446°F).	064741-87-3
649-351-00-7	A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446°F).	064742-15-0
649-352-00-2	A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).	064742-22-9
649-353-00-8	A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F).	064742-23-0
649-354-00-3	A complex combination of hydrocarbons obtained from the catalytic dewaxing of a petroleum fraction. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C12 and boiling in the range of approximately 35°C to 230°C (95°F to 446°F).	064742-66-1
649-355-00-9	A complex combination of hydrocarbons obtained by the distillation of the products from a steam-cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F). This stream is likely to contain 10 vol % or more benzene.	064742-83-2
649-356-00-4	A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).	064742-95-6
649-358-00-5	A complex combination of hydrocarbons from the distillation of hydrocarbons usually ranging in carbon numbers from C3 through C5 predominantly isopentane and 3-methyl-1-butene. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C3 through C5 predominantly 2-methyl-2-butene.	068477-34-9

Index number	EINECS description	CAS Number
649-359-00-0	A complex combination of hydrocarbons obtained from the distillation of polymerized steam-cracked petroleum distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C12.	068477-50-9
649-360-00-6	A complex Combination of organic compounds obtained by the distillation of products from a steam-cracking process. It consists of unsaturated hydrocarbons having carbon numbers predominantly in the range of C5 through C 12.	068477-53-2
649-362-00-7	A complex combination of organic compounds produced by cold acid unit extraction of saturated and unsaturated aliphatic hydrocarbons usually ranging in carbon numbers from C3 through C6, predominantly pentanes and amylenes. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers in the range of C4 through C6, predominantly C5.	068477-61-2
649-363-00-2	A complex combination of hydrocarbons obtained from a catalytic cracked gas stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C6.	068477-89-4
649-364-00-8	A complex residuum from the distillation of butane stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C6.	068478-12-6
649-365-00-3	A complex residuum from the atmospheric distillation of the butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C6.	068478-16-0
649-366-00-9	A complex combination of hydrocarbons produced by the distillation of products from a fluid coker. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C4 through C 15 and boiling in the range of approximately 43°C to 250°C (1 10°F to 500°F).	068513-02-0
649-367-00-4	A complex combination of hydrocarbons produced by the distillation of products from a steam-cracking process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C 12 and boiling in the range of approximately 130°C to 220°C (266°F to 428°F).	068516-20-1
649-368-00-X	A complex combination of hydrocarbons resulting from treatment of full-range straight-run naphtha with natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 220°C (-4°F to 429°F).	068527-21-9
649-369-00-5	A complex combination of hydrocarbons resulting from treatment of light straight-run naphtha with a natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C 10 and boiling in the range of approximately 93°C to 180°C (200°F to 356°F).	068527-22-0
649-370-00-0	A complex combination of hydrocarbons produced by distillation of products from a steam cracking process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C9 and boiling in the range of approximately 110°C to 165°C (230°F to 329°F).	068527-23-1
649-371-00-6	A complex combination of hydrocarbons produced by distillation of products from a steam-cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately 80°C to 218°C (176°F to 424°F).	068527-26-4

Index number	EINECS description	CAS Number
649-373-00-7	A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists of hydrocarbons having carbon numbers predominantly greater than C5.	068606-10-0
649-374-00-2	A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers predominantly in the range of C3 through C6 and boiling in the range of approximately -20°C to 100°C (-4°F to 212°F).	068783-66-4
649-375-00-8	A complex combination of hydrocarbons separated and/or condensed from natural gas during transportation and collected at the wellhead and/or from the production, gathering, transmission, and distribution pipelines in deeps, scrubbers, etc. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C2 through C8.	068919-39-1
649-376-00-3	A complex combination of hydrocarbons produced by stripping the products from the naphtha unfiner. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C6.	068921-09-5
649-377-00-9	A complex combination of hydrocarbons remaining after removal of aromatic compounds from catalytic reformed light naphtha in a selective absorption process. It consists predominantly of paraffinic and cyclic compounds having carbon numbers predominantly in the range of C5 to C8 and boiling in the range of approximately 66°C to 121°C (151°F to 250°F).	085116-59-2
649-378-00-4	A complex combination of hydrocarbons consisting primarily of paraffins, cycloparaffins, aromatic and olefinic hydrocarbons having carbon numbers predominantly greater than C3 and boiling in the range of 30°C to 260°C (86°F to 500°F).	086290-81-5
649-380-00-5	A complex combination of hydrocarbons obtained as first runnings from the depentanizer column before hydrotreatment of the aromatic charges. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C6, predominantly pentanes and pentenes, and boiling in the range of approximately 25°C to 40°C (77°F to 104°F).	091995-38-9
649-381-00-0	A complex combination of hydrocarbons obtained by distillation of heat-soaked steam-cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C4 through C6, predominantly C5.	091995-41-4
649-382-00-6	A complex combination of hydrocarbons obtained as the extract from the solvent extraction of a catalytically reformed petroleum cut. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C8 and boiling in the range of approximately 100°C to 200°C (212°F to 392°F).	091995-68-5
649-383-00-1	A complex combination of hydrocarbons obtained by the distillation of hydrodesulfurized and dearomatized light petroleum fractions. It consists predominantly of C7 paraffins and cycloparaffins boiling in a range of approximately 90°C to 100°C (194°F to 212°F).	092045-53-9
649-384-00-7	A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities, It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C5, predominantly C5, and boiling in the range of approximately minus 10 to 35°C (14°F to 95°F).	092045-60-8

Index number	EINECS description	CAS Number
649-385-00-2	A complex combination of hydrocarbons obtained by distillation from prehydrogenated cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C8 through C11 and boiling in the range of approximately 130°C to 205°C (266°F to 401°F).	092045-62-0
649-386-00-8	A complex combination of hydrocarbons obtained from prehydrogenated cracked naphtha after distillative separation of benzene- and toluene containing hydrocarbon cuts and a higher boiling fraction. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately 30°C to 205°C (86°F to 401°F).	092045-63-1
649-387-00-3	A complex combination of hydrocarbons obtained by the fractionation of steam cracked naphtha after recovery from a heat soaking process. It consists predominantly of hydrocarbons having a carbon number predominantly in the range of C4 through C6 and boiling in the range of approximately 0°C to 80°C (32°F to 176°F).	092201-97-3
649-388-00-9	A complex combination of hydrocarbons obtained from the distillation of a petroleum feedstock. It consists predominantly of hydrocarbons having carbon numbers of C5 through C7 rich in C6, and boiling in the range of approximately 60°C to 70°C (140°F to 158°F).	093165-19-6
649-389-00-4	A distillation fraction from the hydrogenation of pyrolysis gasoline boiling in the range of approximately 20°C to 200°C (68°F to 392°F).	094114-03-1
649-390-00-X	A complex combination of hydrocarbons obtained by the distillation of polymerized C8 through C12 fraction from steam cracked petroleum distillates. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C 12.	095009-23-7
649-391-00-5	A complex combination of hydrocarbons obtained by the treatment of heavy naphthc solvent petroleum extract with bleaching earth. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C6 through C15 and boiling in the range of approximately 80°C to 180°C (175°F to 356°F).	097926-43-7
649-392-00-0	A complex combination of hydrocarbons obtained by the treatment and distillation of debenzenized light steam-cracked petroleum naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 95°C to 200°C (203°F to 392°F).	098219-46-6
649-393-00-6	A complex combination of hydrocarbons obtained by the treatment and distillation of light steam-cracked petroleum naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C6 and boiling in the range of approximately 35°C to 80°C (95°F to 176°F).	098219-47-7
649-394-00-1	A complex combination of hydrocarbons obtained by the distillation of petroleum light fraction, hydrosulfurized and dearomatized. It consists predominantly of hydrocarbons having carbon numbers in the range of C7 through C9, predominantly C8 paraffins and cycloparaffins, boiling in the range of approximately 120°C to 130°C (248°F to 266°F).	101316-56-7
649-395-00-7	A complex combination of hydrocarbons obtained during the sorptions of toluene from a hydrocarbon fraction from cracked gasoline treated with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C6 through C8 and boiling in the range of approximately 80°C to 135°C (176°F to 275°F).	101316-66-9

Index number	EINECS description	CAS Number
649-396-00-2	A complex combination of hydrocarbons obtained by fractionation from hydrodesulphurised coker distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 to C11 and boiling in the range of approximately 23°C to 196°C (73°F to 385°F).	101316-7671
649-397-00-8	A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C8 and boiling in the range of approximately 20°C to 130°C (68°F to 266°F).	101795-01-1
649-398-00-3	A complex combination of hydrocarbons obtained by distillation of steam-cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C3 through C6, predominantly C5.	102110-14-5
649-399-00-9	A complex combination of hydrocarbons obtained by distillation of the products from a steam-cracking process. It consists predominantly of hydrocarbons having carbon numbers of C5 and dicyclopentadiene and boiling in the range of approximately 30°C to 170°C (86°F to 338°F).	102110-15-6
649-400-00-2	A complex combination of hydrocarbons obtained by the distillation of the products of steam cracking or similar processes after taking off the very light products resulting in a residue starting with hydrocarbons having carbon numbers greater than C5. It consists predominantly of aromatic hydrocarbons having carbon numbers greater than C5 and boiling above approximately 40°C (104°F).	102110-55-4
649-404-00-4	A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C 16 and boiling in the range of approximately 150°C to 290°C (320°F to 554°F).	008008-20-6
649-405-00-X	A complex combination of hydrocarbons obtained from the distillation of crude oil or natural gasoline. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C9 through C12 and boiling in the range of approximately 140°C to 220°C (284°F to 428°F).	064742-88-7
649-406-00-5	A complex combination of hydrocarbons obtained from the distillation of crude oil or natural gasoline. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C11 through C16 and boiling in the range of approximately. 190°C to 290°C (374°F to 554°F).	064742-96-7
649-407-00-0	A complex combination of hydrocarbons obtained as a wide cut hydrocarbon fuel cut from atmospheric distillation and boiling in the range of approximately 70°C to 220°C (158°F to 428°F).	092045-37-9
649-408-00-6	A complex combination of hydrocarbons obtained by the distillation of the products from a steam cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C7 through C 16 and boiling in the range of approximately 90°C to 290°C (190°F to 554°F).	064742-91-2
649-409-00-1	A complex combination of hydrocarbons obtained by distilling cracked stripped steam-cracked distillates. It consists of hydrocarbons having carbon numbers in the range of C8 through C10 and boiling in the range of approximately 129°C to 194°C (264°F to 382°F).	068477-39-4
649-410-00-7	A complex combination of hydrocarbons obtained by distilling cracked stripped steam-cracked distillates. It consists predominantly of aromatic hydrocarbons having carbon numbers in the range of C 10 through C 12.	068477-40-7

Index number	EINECS description	CAS Number
649-411-00-2	A complex combination of organic compounds obtained by the distillation of products from a steam cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C8 through C 12.	068477-54-3
649-412-00-8	A complex combination of hydrocarbons obtained by fractionation from hydrodesulfurized thermal cracker distillate. It consists predominantly of hydrocarbons predominantly in the range of C8 through C 16 and boiling in the range of approximately 120°C to 283°C (284°F to 541°F).	085116-55-8
649-413-00-3	A complex combination of hydrocarbons produced by the distillation of the products from a steam cracking process treated with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly greater than C10 and boiling in the range of approximately 150°C to 320°C (302°F to 608°F).	090640-98-5
649-414-00-9	A complex combination of hydrocarbons produced by the distillation of the products from a steam cracking process thereafter treated with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers in the range of C9 through C10 and boiling in the range of approximately 140°C to 200°C (284°F to 392°F)	090641-13-7
649-415-00-4	A complex combination of hydrocarbons obtained by distillation of thermal-cracking heavy tars. It consists predominantly of highly alkylated aromatic hydrocarbons boiling in the range of approximately 100°C to 250°C (212°F to 482°F).	101316-61-4
649-416-00-X	A complex combination of hydrocarbons obtained by distillation of catalytic cracking heavy tars. It consists predominantly of highly alkylated aromatic hydrocarbons boiling in the range of approximately 100°C to 250°C (212°F to 482°F).	101631-13-4
649-417-00-5	A complex combination of hydrocarbons obtained by the distillation of hydrocracked petroleum distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 235°C to 290°C (455°F to 554°F).	101316-80-7
649-418-00-0	A complex combination of hydrocarbons obtained by distillation of steam cracking heavy tars. It consists predominantly of highly alkylated aromatic hydrocarbons boiling in the range of approximately 100°C to 250°C (212°F to 482°F).	101631-15-6
649-419-00-6	A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C11 through C17 and boiling in the range of approximately 205°C to 320°C (401°F to 608°F).	064741-73-7
649-420-00-1	A complex combination of hydrocarbons obtained as the extract from a solvent extraction process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 220°C (194°F to 428°F).	064741-98-6
649-421-00-7	A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150°C to 290°C (302°F to 554°F).	064742-31-0

Index number	EINECS description	CAS Number
649-422-00-2	A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C 16 and boiling in the range of approximately 1 50°C to 290°C (302°F to 554°F).	064742-47-8
649-423-00-8	A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C 16 and boiling in the range of approximately 150°C to 290°C (302°F to 554°F).	064742-81-0
649-424-00-3	A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 165°C to 290°C (330°F to 554°F).	064742-94-5
649-425-00-9	A complex combination of hydrocarbons from the distillation of products from a fluid coker. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C6 through C15 and boiling in the range of approximately 157°C to 288°C (315°F to 550°F).	068333-23-3
649-426-00-4	A complex combination of hydrocarbons produced by fractionation from catalytically reformed hydrodesulfurized naphtha. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C13 and boiling in the range of approximately 98°C to 218°C (208°F to 424°F);	085116-57-0
649-427-00-X	A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range C9 through C 16 and boiling in the range of 130°C to 290°C (266°F to 554°F).	091770-15-9
649-428-00-5	A complex combination of hydrocarbons obtained from a petroleum stock by solvent refining and sweetening and boiling in the range approximately 1 50°C to 260°C (302°F to 500°F).	092045-36-8
649-429-00-0	A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthalenes by catalytic hydrogenation.	093763-35-0
649-431-00-1	A complex combination of hydrocarbons obtained by fractionation from hydrodesulphurised coker distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C8 through C 16 and boiling in the range of approximately 120°C to 283°C (248°F to 541°F).	101316-58-9
649-432-00-7	A complex combination of hydrocarbons obtained by the catalytic hydrodesulphurization of a petroleum fraction. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C10 through C13 and boiling in the range of approximately 180°C to 240°C (356°F to 464°F).	101316-81-8
649-433-00-2	A complex combination of hydrocarbons obtained by the catalytic hydrodesulfurization of a petroleum fraction. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range C 10 through C13 and boiling in the range of approximately 175°C to 220°C (347°F to 428°F).	101316-82-9
649-434-00-8	A complex combination of hydrocarbons obtained from the distillation of petroleum and subsequent hydrotreatment. It consists predominantly of alkanes, cycloalkanes and alkylbenzenes, having carbon numbers predominantly in the range of C12 through C16 and boiling in the range of 230°C to 270°C (446°F to 512°F).	101631-19-0

Index number	EINECS description	CAS Number
649-435-00-3	A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range C9 through C25 and boiling in the range of approximately 150°C to 400°C (302°F to 752°F). It contains a relatively large proportion of bicyclic aromatic hydrocarbons.	064741-59-9
649-436-00-9	A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C30 and boiling in the range of approximately 205°C to 450°C (401°F to 842°F). It contains a relatively large proportion of tricyclic aromatic hydrocarbons.	064741-60-2
649-437-00-4	A complex combination of hydrocarbons from distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range C 10 through C 18 ,and boiling in the range of approximately 160°C to 320°C (320°F to 608°F).	064741-77-1
649-438-00-X	A complex combination of hydrocarbons from the distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range C 10 through C22 and boiling in the range of approximately 160°C to 370°C (320°F to 698°F).	064741-82-8
649-439-00-5	A complex combination of hydrocarbons obtained by treating light catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range C9 through C25 and boiling in the range of approximately 150°C to 400°C (302°F to 752°F). It contains a relatively high proportion of bicyclic aromatic hydrocarbons.	068333-25-5
649-440-00-0	A complex combination of hydrocarbons from the multiple distillation of products from a steam cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range C 10 through C 18.	068475-80-9
649-441-00-6	A complex combination of hydrocarbons obtained by distilling cracked steam cracked distillate and or it's fractionation products. It consists of hydrocarbons having carbon numbers predominantly in the range C10 to low molecular weight polymers.	068477-38-3
649-442-00-1	A complex combination of hydrocarbons produced by distillation of the products from a steam cracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C9 and boiling in the range of approximately 205°C to 400°C (400°F to 752°F).	068527-18-4
649-443-00-7	A complex combination of hydrocarbons obtained by fractionation from hydrodesulfurized thermal cracker distillate stocks. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range C11 to C25 and boiling in the range of approximately 205°C to 400°C (401°F to 752°F).	085116-53-6
649-445-00-8	A complex combination of hydrocarbons obtained as a residual fraction from the distillation of hydrotreated steam-cracked naphtha. It consists predominantly of hydrocarbons boiling in the range of approximately 200°C to 350°C (392°F to 662°F).	092062-00-5
649-446-00-3	A complex combination of hydrocarbons obtained as a column bottom from the separation of effluents from steam cracking naphtha at a high temperature. It boils in the range of approximately 147°C to 300°C (297°F to 572°F) and produces a finished oil having a viscosity of 18cSt at 50°C.	092062-04-9

Index number	EINECS description	CAS Number
649-447-00-9	A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process which has been used as a heat transfer fluid. It consists predominantly of hydrocarbons boiling in the range of approximately 190°C to 340°C (374°F to 644°F). The stream is likely to contain organic sulfur compounds.	092201-60-0
649-448-00-4	A complex combination of hydrocarbons obtained as residue from the distillation of steam cracked heat soaked naphtha and boiling in the range of approximately 150°C to 350°C (302°F to 662°F).	093763-85-0
649-449-00-X	A complex combination of hydrocarbons obtained by solvent dewaxing of a distillation residue from a hydrocracked paraffinic distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of approximately 360°C to 500°C (680°F to 932°F). It produces a finished oil having a viscosity of 4.5cSt at approximately 100°C (212°F).	097675-88-2
649-450-00-5	A complex combination of hydrocarbons obtained by catalytic dehydrosulfurization of thermal cracked light vacuum petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C14 through C20 and boiling in the range of approximately 270°C to 370°C (518°F to 698°F).	097926-59-5
649-451-00-0	A complex combination of hydrocarbons by fractionation from hydrodesulfurized coker distillate stocks. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 12 through C21 and boiling in the range of approximately 200°C to 360°C (392°F to 680°F).	101316-59-0
649-452-00-6	A complex combination of hydrocarbons obtained by the distillation of steam cracking heavy residues. It consists predominantly of highly alkylated heavy aromatic hydrocarbons boiling in the range of approximately 250°C to 400°C (482°F to 752°F).	101631-14-5
649-453-00-1	A complex combination of hydrocarbons from the distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers in the range C 15 to C39 and boiling in the range of approximately 260°C to 600°C (500°F to 1112°F).	064741-76-0
649-454-00-7	A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100°F (19cSt at 40°C).	064741-88-4
649-455-00-2	A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C 15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C).	064741-89-5
649-456-00-8	A complex combination of hydrocarbons obtained as the solvent soluble fraction from C3 to C4 solvent deasphalting of a residuum. It consists of hydrocarbons having carbon numbers predominantly higher than C25 and boiling above approximately 400°C (752°F).	064741-95-3
649-457-00-3	A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064741-96-4

Index number	EINECS description	CAS Number
649-458-00-9	A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C 15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064741-97-5
649-459-00-4	A complex combination of hydrocarbons obtained as the solvent insoluble fraction from solvent refining of a residuum using a polar organic solvent such as phenol or furfural. It consists of hydrocarbons having carbon numbers predominantly higher than C25 and boiling above approximately 400°C (752°F).	064742-01-4
649-460-00-X	A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.	064742-36-5
649-461-00-5	A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.	064742-37-6
649-462-00-0	A complex combination of hydrocarbons obtained by the treatment of a residual oil with a natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly higher than C25 and boiling above approximately 400°C (752°F).	064742-41-2
649-463-00-6	A complex combination of hydrocarbons resulting 60m treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-44-5
649-464-00-1	A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-45-6
649-465-00-7	A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-52-5
649-466-00-2	A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range C 15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-53-6

Index number	EINECS description	CAS Number
649-467-00-8	A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.	064742-54-7
649-468-00-3	A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C 15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.	064742-55-8
649-469-00-9	A complex combination of hydrocarbons obtained by the removal of normal paraffins from a petroleum fraction by solvent crystalization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C).	064742-56-9
649-470-00-4	A complex Combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above approximately 400°C (752°F).	064742-57-0
649-471-00-X	A complex combination of hydrocarbons obtained by removal of long, branched chain hydrocarbons from a residual oil by solvent crystalization. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above 400°C (752°F).	064742-62-7
649-472-00-5	A complex combination of hydrocarbon obtained by removal of normal paraffins from a petroleum fraction by solvent crystalization. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of not less than 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-63-8
649-473-00-0	A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystalization. It consists of hydrocarbons having carbon numbers predominantly in the range C 15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 400C). It contains relatively few normal paraffins.	064742-64-9
649-474-00-6	A complex combination of hydrocarbons obtained by the removal of normal paraffins from a petroleum fraction by solvent crystalization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100°F (19cSt at 400C).	064742-65-0
649-475-00-1	A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-68-3
649-476-00-7	A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity less than 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-69-4
649-477-00-2	A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100°F (19cSt at 40°C).	064742-70-7

Index number	EINECS description	CAS Number
649-478-00-8	A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C).	064742-71-8
649-479-00-3	A complex combination of hydrocarbons obtained by removing straight chain paraffin hydrocarbons as a solid by treatment with an agent such as urea. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of at least 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-75-2
649-480-00-9	A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil having a viscosity less than 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	064742-76-3
649-481-00-4	A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil, and solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of approximately 112cSt at 40°C. It contains a relatively large proportion of saturated hydrocarbons.	072623-85-9
649-482-00-X	A complex combination of hydrocarbons obtained by treating light vacuum gas oil and heavy vacuum gas oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between two stages. It consists predominantly of hydrocarbons having carbon numbers in the range C15 through C30 and produces a finished oil having a viscosity of approximately 15cSt at 40°C. It contains a relatively large proportion of saturated hydrocarbons.	072623-86-0
649-483-00-5	A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil, and solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of approximately 32cSt at 40°C. It contains a relatively large proportion of saturated hydrocarbons.	072623-87-1
649-484-00-0	A complex combination of hydrocarbons obtained from solvent extraction and dewaxing process. It consists predominantly of saturated hydrocarbons having carbon numbers in the range C15 through C50.	074869-22-0
649-485-00-6	A complex combination of hydrocarbons obtained by dewaxing heavy paraffinic distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of equal to or greater than 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	090640-91-8
649-486-00-1	A complex combination of hydrocarbons obtained by dewaxing light paraffinic distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C12 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.	090640-92-9
649-487-00-7	A complex combination of hydrocarbons obtained by treating dewaxed heavy paraffinic distillate with neutral or modified clay in either a contacting or percolation process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50.	090640-94-1

Index number	EINECS description	CAS Number
649-488-00-2	A complex combination of hydrocarbons produced by treating dewaxed heavy paraffinic distillate with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range C20 through C50.	090640-95-2
649-489-00-8	A complex combination of hydrocarbons resulting from treatment of dewaxed light paraffinic distillate with natural or modified clay in either a contacting or percolation process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 15 through C30.	090640-96-3
649-490-00-3	A complex combination of hydrocarbons produced by treating a dewaxed light paraffinic distillate with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30.	090640-97-4
649-493-00-X	A complex combination of hydrocarbons obtained from an intensive treatment of dewaxed distillate by hydrogenation in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C25 through C39 and produces a finished oil with a viscosity of approximately 44cSt at 50°C.	091995-39-0
649-494-00-5	A complex combination of hydrocarbons obtained from an intensive treatment of dewaxed distillate by hydrogenation in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C21 through C29 and produces a finished oil with a viscosity of approximately 13cSt at 50°C.	091995-40-3
649-495-00-0	A complex combination of liquid hydrocarbons obtained by recrystallization of dewaxed hydrocracked solvent-refined petroleum distillates.	091555-45-8
649-496-00-6	A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst and removing the aromatic hydrocarbons by solvent extraction. It consists predominantly of naphthenic hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of between 13-15cSt at 40°C.	091955-54-9
649-499-00-2	A complex combination of hydrocarbons produced by solvent removal of paraffins from the residue of the distillation of acid-treated, hydrocracked heavy paraffins and boiling approximately above 380°C (7 16°F).	092061-86-4
649-500-00-6	A complex combination of hydrocarbons obtained from sulfur containing paraffinic crude oil. It consists predominantly of a solvent refined deparaffined lubricating oil with a viscosity of 65cSt at 50°C.	092129-09-4
649-501-00-1	A complex combination of hydrocarbons obtained by refining of crude oil. It consists predominantly of aromatics, naphthenics and paraffinics and produces a finished oil with a viscosity of 120 SUS at 100°F (23cSt at 40°C).	093572-43-1
649-505-00-3	A complex combination of hydrocarbons obtained by the solvent dearomatization of the residue of hydrocracked petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 18 through C27 and boiling in the range of approximately 370°C to 450°C (698°F to 842°F).	094733-09-2
649-506-00-9	A complex combination of hydrocarbons obtained by solvent deparaffination of the distillation residue from hydrocracked petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C40 and boiling in the range of approximately 370°C to 550°C (698°F to 1022°F).	094733-15-0

Index number	EINECS description	CAS Number
649-507-00-4	A complex combination of hydrocarbons obtained by solvent deparaffination of the hydrogenated raffinate obtained by solvent extraction of a hydrotreated petroleum distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C40 and boiling in the range of approximately 370°C to 550°C (698°F to 1022°F).	094733-16-1
649-512-00-1	A complex combination of hydrocarbons obtained by the solvent treatment of a distillate from hydrocracked petroleum distillates. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C27 and boiling in the range of approximately 370°C to 450°C (698°F to 842°F).	097488-73-8
649-513-00-7	A complex combination of hydrocarbons obtained by the treatment of a hydrogenated petroleum distillate with a solvent. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 19 through C40 and boiling in the range of approximately 390°C to 550°C (734°F to 1022°F).	097488-74-9
649-515-00-8	A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of a solvent-deasphalted short residue with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C30 and boiling in the range of approximately 300°C to 400°C (572°F to 752°F). It produces a finished oil having a viscosity of 4cSt at approximately 100°C (212°F).	097675-87-1
649-516-00-3	A complex combination of hydrocarbons obtained as first runnings from vacuum distillation of effluents from the catalytic hydrotreatment of a solvent deasphalted short residue having a viscosity of 8cSt at approximately 100°C (212°F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 17 through C40 and boiling in the range of approximately 300°C to 500°C (592°F to 932°F).	097722-06-0
649-517-00-9	A complex combination of hydrocarbons obtained by the extraction of the aromatics from a light naphthenic distillate having a viscosity of 9.5cSt at 40°C (104°F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C13 through C27 and boiling in the range, of approximately 240°C to 400°C (464°F to 752°F).	097722-09-3
649-518-00-4	A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 16cSt at 40°C (104°F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 14 through C29 and boiling in the range of approximately 250°C to 425°C (482°F to 797°F).	097722-10-6
649-525-00-2	A complex combination of hydrocarbons obtained by the treatment of solvent-dewaxed petroleum residual oils with activated charcoal for the removal of trace polar constituents and impurities.	100684-37-5
649-526-00-8	A complex combination of hydrocarbons obtained by treatment of solvent dewaxed petroleum residual oils with bleaching earth for the removal of trace polar constituents and impurities.	100684-38-6
649-527-00-3	A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of vacuum distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C25 and produces a finished oil with a viscosity in the order of 32cSt to 37cSt at 100°C (212°F).	101316-69-2
649-528-00-9	A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 17 through C32 and produces a finished oil with a viscosity in the order of 17cSt to 23cSt at 40°C (104°F).	101316-70-5

Index number	EINECS description	CAS Number
649-529-00-4	A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C35 and produces a finished oil with a viscosity in the order of 37cSt to 44cSt at 40°C (104°F).	101316-71-6
649-530-00-X	A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C24 through C50 and produces a finished oil with a viscosity in the order of 16cSt to 75cSt at 40°C (104°F).	101316-72-7
649-531-00-5	An aromatic concentrate produced by adding water to heavy naphthenic distillate solvent extract and extraction solvent.	068783-00-6
649-532-00-0	A complex combination of hydrocarbons obtained as the extract from the re-extraction of solvent-refined heavy paraffinic distillate. It consists of saturated and aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C50	068783-04-0
649-533-00-6	A complex combination of hydrocarbons obtained as the extract from a solvent extraction of heavy paraffinic distillate.	068814-89-1
649-534-00-1	A complex combination of hydrocarbons obtained by treating a heavy naphthenic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 19cSt at 40°C (100 SUS at 100°F).	090641-07-9
649-535-00-7	A complex combination of hydrocarbons produced by treating a heavy paraffinic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C21 through C33 and boiling in the range of approximately 350°C to 480°C (662°F to 896°F).	090641-08-0
649-536-00-2	A complex combination of hydrocarbons produced by treating a light paraffinic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 17 through C26 and boiling in the range of approximately 280°C to 400°C (536°F to 752°F).	090641-09-1
649-537-00-8	A complex combination of hydrocarbons obtained as the extract from solvent extraction of intermediate paraffinic top solvent distillate that is treated with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C16 through C36.	091995-73-2
649-538-00-3	A complex combination of hydrocarbons obtained by treating the extract, obtained from a solvent extraction process, with hydrogen in the presence of a catalyst under conditions primarily to remove sulfur compounds. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C 15 through C30. This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.	091995-75-4
649-539-00-9	A complex combination of hydrocarbons obtained as a fraction of the distillation of an extract from the solvent extraction of light paraffinic top petroleum distillates that is subjected to a sulfuric acid refining. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range C 16 through C32.	091995-76-5

index number	EINECS description	CAS Number
649-540-00-4	A complex combination of hydrocarbons obtained by solvent extraction of a light paraffin distillate and treated with hydrogen to convert the organic sulfur to hydrogen sulfide which is eliminated. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C 15 through C40 and produces a finished oil with a viscosity of greater than 10cSt at 40°C.	091995-77-6
649-541-00-X	A complex combination of hydrocarbons, obtained by solvent extraction from light vacuum petroleum gas oils and treated with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C13 through C30.	091955-79-8
649-542-00-5	A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contact or percolation process to remove the trace amounts of polar compounds and impurities present. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C50. This stream is likely to contain 5 wt. % or more 4-6 membered ring aromatic hydrocarbons.	092 704 - 08 -0
649-543-00-0	A complex combination of hydrocarbons obtained from petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly in the range of C 15 through C50 and produces a finished oil with a viscosity of greater than 19cSt at 40°C.	093763-10-1
649-544-00-6	A complex combination of hydrocarbons obtained from a solvent dewaxed petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers in the range of C 15 through C50 and produces a finished oil with a viscosity of greater than 19cSt at 40°C.	093763-11-2
649-545-00-1	A complex combination of hydrocarbons obtained as a fraction from distillation of an extract recovered by solvent extraction of light paraffinic top petroleum distillate treated with activated charcoal to remove traces of polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C16 through C32.	100684-02-4
649-546-00-7	A complex combination of hydrocarbons obtained as a fraction from distillation of an extract recovered by solvent extraction of light paraffinic top petroleum distillates treated with bleaching earth to remove traces of polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C 16 through C32.	100684-03-5
649-547-00-2	A complex combination of hydrocarbons obtained by solvent extraction of light vacuum petroleum gas oil treated with activated charcoal for the removal of trace polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range C 13 through C30.	100684-04-6
649-548-00-8	A complex combination of hydrocarbons obtained by solvent extraction of light vacuum petroleum gas oils treated with bleaching earth for the removal of trace polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C 13 through C30.	100684-05-7
649-549-00-3	A complex combination of hydrocarbons obtained as the oil fraction from a solvent deoiling or a wax sweating process. It consists predominantly of branched chain hydrocarbons having carbon numbers predominantly in the range of C20 through C50.	064742-67-2

index number	EINECS description	CAS Number
650-002-00-6	Any of the volatile predominately terpenic fractions or distillates resulting from the solvent extraction of, gum collection from, or pulping of softwoods. Composed primarily of the C ₁₀ H ₁₆ terpene hydrocarbons: alpha-pinene, beta-pinene, limonene, 3-carene, camphene. May contain other acrylic, monocyclic, or bicyclic terpenes, oxygenated terpenes, and anethole. Exact composition varies with refining methods and the age, location, and species of the softwood source.	008006-64-2
650-016-00-2	Machine-made {or, as given in Directive 97/69/EC, man-made} vitreous (silicate) fibres with random orientation with alkaline oxide and alkaline earth oxide Na ₂ O + K ₂ O + CaO + MgO + BaO) content greater than 18% by weight.	
650-017-00-8	Machine-made {or, as given in Directive 97/69/EC, man-made} vitreous (silicate) fibres with random orientation with alkaline oxide and alkaline earth oxide Na ₂ O + K ₂ O + CaO + MgO + BaO) content less or equal to 18% by weight.	

Part III Mixtures of named substances or
mixtures/specific isomers listed by Index
number

Part III Mixtures of named substances or mixtures/specific isomers listed by Index number

Index number	Substance Name
Isomers	
006-025-00-3	allethrin, (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl(IRS,3RS;1RS,3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate, bioallethrin, (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl(IR,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate, S-bioallethrin, (S)-3-allyl-2-methyl-4-oxocyclopent-2-enyl(IR,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate, esbiothrin
015-156-00-5	<ul style="list-style-type: none"> ■ methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate, ■ methacrifos (ISO), ■ methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate
601-004-00-0	butane, isobutane
601-004-01-8	<ul style="list-style-type: none"> ■ butane (containing >= 0.1% butadiene (EC No 203-4504)), ■ isobutane (containing >= 0.1% butadiene (EC No 203-450-8))
601-006-00-1	pentane, isopentane, 2-methylbutane
601-008-00-2	<p>heptane {heptane},</p> <p>heptane {2,4-dimethylpentane},</p> <p>heptane {2,2,3-trimethylbutane},</p> <p>heptane {3,3-dimethylpentane},</p> <p>heptane {2,3-dimethylpentane},</p> <p>heptane {3-methylhexane},</p> <p>heptane {2,2-dimethylpentane},</p> <p>heptane {2-methylhexane},</p> <p>heptane {3-ethylpentane},</p> <p>heptane {isoheptane}</p>
601-009-00-8	<p>octane {octane},</p> <p>octane {2,2,4-trimethylpentane},</p> <p>octane {2,3,3-trimethylpentane},</p> <p>octane {3,3-dimethylhexane},</p> <p>octane {2,2,3-trimethylpentane},</p> <p>octane {2,3,4-trimethylpentane},</p> <p>octane {3,4-dimethylhexane},</p> <p>octane {2,3-dimethylhexane},</p> <p>octane {2,4-dimethylhexane},</p> <p>octane {4-methylheptane},</p> <p>octane {3-methylheptane},</p> <p>octane {2,2-dimethylhexane},</p> <p>octane {2,5-dimethylhexane},</p> <p>octane {2-methylheptane},</p> <p>octane {2,2,3,3-tetramethylbutane},</p> <p>octane {3-ethyl-2-methylpentane},</p> <p>octane {3-ethylhexane},</p> <p>octane {3-ethyl-3-methylpentane},</p> <p>octane {isooctane}</p>

Index number	Substance Name
601-012-00-4	but-1-ene, butene, mixed-1-and-2-isomers, 2-methylpropene, (Z)-but-2-ene, (E)-but-2-ene
601-022-00-9	o-xylene, p-xylene, m-xylene, xylene
601-024-00-X	cumene, propylbenzene
601-053-00-8	● nonylphenol, ● 4-nonylphenol, branched
602-022-00-1	1-chloropentane, 2-chloropentane, 3-chloropentane
602-026-00-3	1,2-dichloroethylene, cis-dichloroethylene, trans-dichloroethylene
602-040-00-X	2-chlorotoluene, 3-chlorotoluene, 4-chlorotoluene, chlorotoluene
603-010-00-9	2-methylcyclohexanol, mixed isomers, cis-2-methylcyclohexanol, trans-2-methylcyclohexanol
603-045-00-X	diisopropyl ether, dipropyl ether
603-056-00-X	■ [(p-tolyloxy)methyl]oxirane, ■ [(m-tolyloxy)methyl]oxirane, ■ 2,3-epoxypropyl o-tolyl ether, ■ [(tolylloxy)methyl]oxirane, ■ cresyl glycidyl ether
603-127-00-5	butan-2-ol, (S)-butan-2-ol, (R)-butan-2-ol, (+)-butan-2-ol
604-004-00-9	cresol {m}, cresol {o}, cresol {p}, cresol {mixture}

Index number	Substance Name
604-006-00-X	3,4-xylenol, 3,4-dimethylphenol, 2,5-xylenol, 2,5-dimethylphenol, 2,4-xylenol, 2,4-dimethylphenol, 2,3-xylenol, 2,3-dimethylphenol, 2,6-xylenol, 2,6-dimethylphenol, xylenol, dimethylphenol, 2,4(or 2,5)-xylenol, 2,4(or 2,5)-dimethylphenol
604-008-00-0	2-chlorophenol, 4-chlorophenol, 3-chlorophenol, chlorophenol
604-038-00-4	4-chloro-3,5-dimethylphenol, chloroxylenol
604-041-00-0	5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoic acid, sodium 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate, acifluorfen, acifluorfen-sodium
605-009-00-9	2-butenal, crotonaldehyde, (E)-2-butenal, (E)-crotonaldehyde
607-016-00-2	propyl formate, isopropyl formate
607-017-00-8	butyl formate, tert-butyl formate, isobutyl formate
607-018-00-3	isopentyl formate, pentyl formate, 2-methylbutyl formate
607-024-00-6	propyl acetate, isopropyl acetate
607-026-00-7	sec-butyl acetate, isobutyl acetate, tert-butyl acetate
607-029-00-3	butyl propionate {n} , butyl propionate {sec}, butyl propionate {tert}, butyl propionate {iso}
607-056-00-0	warfarin, (S)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone, (R)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone
607-092-00-7	methyl lactate, methyl (+)-lactate, methyl (R)-lactate, methyl (S)-(-)-lactate

Index number	Substance Name
607-108-00-2	hydroxypropyl acrylate {1-hydroxy-2-methylethyl acrylate}, hydroxypropyl acrylate {2-hydroxypropyl acrylate}, hydroxypropyl acrylate [mixture of isomers]
607-125-00-5	2-hydroxypropyl methacrylate, 3-hydroxypropyl methacrylate
607-129-00-7	ethyl lactate, ethyl (S)-2-hydroxypropionate, ethyl DL-lactate, ethyl L-lactate, ethyl-(S)-lactate
607-130-00-2	pentyl acetate, isopentyl acetate, 1-methylbutyl acetate, 2-methylbutyl acetate, 2(or 3)-methylbutyl acetate
607-131-00-8	isopentyl propionate, pentyl propionate, 2-methylbutyl propionate
607-240-00-0	cis-1,2,3,6-tetrahydro-4-methylphthalic anhydride, 1,2,3,6-tetrahydro-4-methylphthalic anhydride, 1,2,3,6-tetrahydro-3-methylphthalic anhydride, tetrahydromethylphthalic anhydride, 1,2,3,6-tetrahydromethylphthalic anhydride, tetrahydro-4-methylphthalic anhydride, 2,3,5,6-tetrahydro-2-methylphthalic anhydride
607-241-00-6	hexahydro-4-methylphthalic anhydride, hexahydromethylphthalic anhydride, hexahydro-1-methylphthalic anhydride, hexahydro-3-methylphthalic anhydride
607-243-00-7	sodium 3,6-dichloro- <i>o</i> -anisate, 3,6-dichloro- <i>o</i> -anisic acid, compound with 2,2'-iminodiethanol (1:1), 3,6-dichloro- <i>o</i> -anisic acid, compound with 2-aminoethanol (1:1)
609-004-00-2	dinitrobenzene, 1,4-dinitrobenzene, 1,3-dinitrobenzene, 1,2-dinitrobenzene
609-006-00-3	2-nitrotoluene, 4-nitrotoluene
609-007-00-9	2,4-dinitrotoluene, dinitrotoluene, dinitrotoluene, technical grade
609-054-00-5	● 2,3-dinitrophenol, ● 2,5-dinitrophenol, ● 2,6-dinitrophenol, ● 3,4-dinitrophenol, ● dinitrophenol, salts of
612-012-00-9	nitroaniline (o), nitroaniline (m), nitroaniline (p)

Index number	Substance Name
612-031-00-2	N,N-dimethylbenzene-1, 3-diamine, 3-amino-N,N'-dimethylaniline, N,N'-dimethylbenzene-1, 4-diamine, 4-amino-N,N-dimethylaniline
612-039-00-6	2-ethoxyaniline, o-phenetidine, 4-ethoxyaniline, p-phenetidine
612-049-00-0	di-n-butylamine, di-sec-butylamine
612-055-00-3	N-methyl-o-toluidine, N-methyl-m-toluidine, N-methyl-p-toluidine
612-130-00-0	2,6-diamino-3,5-diethyltoluene, 4,6-diethyl-2-methyl-1,3-benzenediamine, 2,4-diamino-3,5-diethyltoluene, 2,4-diethyl-6-methyl-1,3-benzenediamine, diethylmethylbenzenediamine
612-160-00-4	<ul style="list-style-type: none"> ● p-toluidine, ● 4-aminotoluene, ● toluidinium chloride, ● toluidine sulphate (1:1)
613-043-00-0	1-[2-(allyloxy)ethyl-2-(2,4-dichlorophenyl)]-1H-imidazolium hydrogen sulphate, (+)-1-[2-(allyloxy)ethyl-2-(2,4-dichlorophenyl)]-1H-imidazolium hydrogen sulphate, imazalil sulphate (ISO)
615-005-00-9	<ul style="list-style-type: none"> ■ 4,4'-methylenediphenyl diisocyanate, ■ 2,2'-methylenediphenyl diisocyanate, ■ o-(p-isocyanatobenzyl)phenyl isocyanate, ■ diphenylmethane-4,4'-diisocyanate, ■ diphenylmethane-2,2'-diisocyanate, ■ diphenylmethane-2,4'-diisocyanate, ■ methylenediphenyl diisocyanate
615-006-00-4	2-methyl-m-phenylene diisocyanate, 4-methyl-m-phenylene diisocyanate, m-tolyldiene diisocyanate, toluene-2,6-diisocyanate, toluene-2,4-diisocyanate, toluene-diisocyanate
615-010-00-6	2,2,4-trimethylhexamethylene-1,6-di-isocyanate, 2,4,4-trimethylhexamethylene-1,6-di-isocyanate
617-010-00-1	1-hydroperoxycyclohexyl 1-hydroxycyclohexyl peroxide, 1,1'-dioxibiscyclohexan-1-ol, cyclohexylidene hydroperoxide, cyclohexanone, peroxide
Mixtures	
014-016-00-0	1,3-dihex-5-en-1-yl-1,1,3,3-tetramethyldisiloxane, 1,3-dihex-n-en-1-yl-1,1,3,3-tetramethyldisiloxane
014-019-00-7	<ul style="list-style-type: none"> ● 4-[[bis-(4-fluorophenyl)methylsilyl]methyl]-4H-1,2,4-triazole, ● 1-[[bis-(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole
015-143-00-4	2-chloroethyl chloropropyl 2-chloroethylphosphonate, mixture of isomers, 2-chloroethyl chloropropyl 2-chloropropylphosphonate, mixture of isomers

Index number	Substance Name
015-144-00-X	pentyl methylphosphinate, 2-methylbutyl methylphosphinate
015-145-00-5	copper(I) O,O-diisopropyl phosphorodithioate, coppero(I) O-isopropyl O-(4-methylpent-2-yl) phosphorodithioate, copper(I) O,O-bis(4-methylpent-2-yl) phosphorodithioate
015-147-00-6	C12- 14-tert-alkylammonium diphenyl phosphorothioate, dionyl sulphide (or disulphide)
015-149-00-7	hexyldioctylphosphine oxide, dihexyloctylphosphineoxide, trioctylphosphineoxide
015-165-00-4	thiobis(4,l-phenylene)-S,S,S',S'-tetraphenyldisulfonium bishexafluorophosphate, diphenyl(4-phenylthiophenyl)sulfonium hexafluorophosphate
015-170-00-1	<ul style="list-style-type: none"> ● di-(1-octane-N,N,N-trimethylammonium) octylphosphate, ● 1-octane-N,N,N-trimethylammonium di-octylphosphate, ● 1-octane-N,N,N-trimethylammonium octylphosphate
015-172-00-2	<ul style="list-style-type: none"> ● bis(isotridecylammonium)mono(di-(4-methylpent-2-yloxy)thiophosphorothionylisopropyl) phosphate, ● isotridecylammonium bis(di-(4-methylpent-2-yloxy)thiophosphorothionylisopropyl)phosphate
016-040-00-7	disodium 6-(2,4-dihydroxyphenylazo)-3-(4-(4-(2,4-dihydroxyphenylazo)anilino)-3-sulphonatophenylazo)-4-hydroxynaphthalene-2-sulphonate, disodium 6-(2,4-diaminophenylazo)-3-(4-(4-(2,4-diaminophenylazo)anilino)-3-sulphonatophenylazo)-4-hydroxynaphthalene-2-sulphonate, trisodium 6-(2,4-dihydroxyphenylazo)-3-(4-(4-(7-(2,4-dihydroxyphenylazo)-1-hydroxy-3-sulphonato-2-naphthylazo)anilino)-3-sulphonatophenylazo)-4-hydroxynaphthalene-2-sulphonate
601-054-00-3	<ul style="list-style-type: none"> ● dibenzylbenzene isomers, ● dibenzyl(methyl)benzene isomers, ● dibenzyl(dimethyl)benzene isomers, ● dibenzyl(trimethyl)benzene isomers
601-055-00-9	<ul style="list-style-type: none"> ● mono-(2-tetradecyl)naphthalene isomers, ● di-2-tetradecyl)naphthalene isomers, ● tri-(2-tetradecyl)naphthalene isomers
603-131-00-7	1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol { 3 parts of}, 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol { 1 part of}
603-133-00-8	3-[(4-amino-2-chloro-5-nitrophenyl)amino]-propane-1,2-diol, 3,3'-(2-chloro-5-nitro-1,4-phenylenediimino)bis(propan-1,2-diol)
603-137-00-X	1-deoxy-1-[methyl-(1-oxohexadecyl)amino]-D-glucitol, 1-deoxy-1-[methyl-(1-oxooctadecyl)amino]-D-glucitol
603-141-00-1	<ul style="list-style-type: none"> ● dodecyloxy-1-methyl-1-[oxy-poly-(2-hydroxymethylethanoxy)]pentadecane, ● dodecyloxy-1-methyl-1-[oxy-poly-(2-hydroxymethylethanoxy)]heptadecane
603-144-00-8	<ul style="list-style-type: none"> ● 2,6,9-trimethyl-2,5,9-cyclododecatrien-1-ol, ● 6,9-dimethyl-2-methylen-5,9-cyclododecadien-1-ol
603-165-00-2	<ul style="list-style-type: none"> ● 4-allyl-2,6-bis(2,3-epoxypropyl)phenol, ● 4-allyl-6-[3-[6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol, ● 4-allyl-6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol, ● 4-allyl-6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol

Index number	Substance Name
604-054-00-1	2-methoxy-4-(tetrahydro-4-methylene-2H-pyran-2-yl)-phenol, 4-(3,6-dihydro-4-methyl-2H-pyran-2-yl)-2-methoxyphenol
604-057-00-8	<ul style="list-style-type: none">● 2-(2H-benzotriazol-2-yl)-4-methyl-(n)-dodecylphenol (n=5 or 6) isomers,● 2-(2H-benzotriazol-2-yl)-4-methyl-(n)-tetracosylphenol (n=5 or 6) isomers,● 2-(2H-benzotriazol-2-yl)-4-methyl-5,6-didodecylphenol isomers
605-027-00-7	3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indene-6-carboxaldehyde, 3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indene-5-carboxaldehyde
606-046-00-3	cis- and trans-cyclohexadec-8-en-1-one
606-060-00-X	<ul style="list-style-type: none">● trans-2,4-dimethyl-2-(5,6,7,8-tetrahydro-5,5,8,S-tetramethyl-naphthalene-2-yl)-1,3-dioxolane,● cis-2,4-dimethyl-2-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-naphthalene-2-yl)-1,3-dioxolane
607-174-00-2	dodecyl 3-(2,2,4,4-tetramethyl-21-oxo-7-oxa-3,20-diazadispiro(5.1.11.2)hencicosan-20-yl) propionate, teradecyl 3-(2,2,4,4-tetramethyl-21-oxo-7-oxa-3,20-diazadispiro(5,1,11,2)hencicosan-20-yl) propionate
607-176-00-3	a -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly (oxyethylene), a -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H- benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)
607-209-00-1	O,O-di(1-methylethyl)trithio-bis-thio formate, O,O-di(1-methylethyl)tetrathio-bis-thioformate, O,O-di(1-methylethyl)pentathio-bis-thioformate
607-226-00-4	2-acryloyloxyethyl hydrogen cyclohexane-1,2-dicarboxylate, 2-methacryloyloxyethyl hydrogen cyclohexane-1,2-dicarboxylate
607-266-00-2	hydroxylaluminium bis[2-hydroxy-3,5-di-tert-butylbenzoate], 3,5-di-tert-butyl-salicylic acid
607-277-00-2	2-(hexylthio) ethylamine hydrochloride, sodium propionate
607-279-00-3	n-octadecylaminodiethyl bis(hydrogen maleate), n-octadecylaminodiethyl hydrogen maleate hydrogenphthalate
607-284-00-0	sodium 3,3'-(1,4-phenylenebis(carbonylimino-3,1-propanediylimino))bis(10-amino-6,13-dichloro- 4,11-triphenodioxazinedisulfonate { 9 parts of }, lithium 3,3'-(1,4-phenylenebis(carbonylimino-3,1-propanediylimino))bis(10-amino-6,13-dichloro)- 4,11-triphenodioxazinedisulfonate { 1 part of }
607-285-00-6	7-(((3-aminophenyl)sulfonyl)amino)-naphthalene-1,3-disulfonic acid, sodium 7-(((3-aminophenyl)sulfonyl)amino)-naphthalene-1,3-disulfonate, potassium 7-(((3-aminophenyl)sulfonyl)amino)-naphthalene-1,3-disulfonate
607-286-00-1	sodium 7-[[[3-[[4-((2-hydroxy-naphthyl)azo)phenyl]azo]phenyl]sulfonyl]amino]-naphthalene-1,3- disulfonate, potassium 7-[[[3-[[4-((2-hydroxy-naphthyl)azo)phenyl]azo]phenyl]sulfonyl]amino]-naphthalene-1, 3-disulfonate
607-290-00-3	ammonium 1-C14-C18-alkyloxycarbonyl-2-(3-allyloxy-2-hydroxypropoxycarbonyl)ethane-1- sulfonate, ammonium 2-C14-C18-alkyloxycarbonyl-1-(3-allyloxy-2-hydroxypropoxycarbonyl)ethane-1- sulfonate
607-292-00-4	[1-(methoxymethyl)-2-(C12-alkoxy)-ethoxy]acetic acid, [1-(methoxymethyl)-2-(C14-alkoxy)-ethoxy]acetic acid

Index number	Substance Name
607-293-00-X	N-aminoethylpiperazonium mono-2,4,6-trimethylnonyldiphenyl ether di-sulfonate, N-aminoethylpiperazonium di-2,4,6-trimethylnonyldiphenyl ether di-sulfonate
607-295-00-0	tetrasodium phosphonoethane-1,2-dicarboxylate, hexasodium phosphonobutane-1,2,3,4-tetracarboxylate
607-296-00-6	pentaerythritol tetraesters, heptanoic acid, 2-ethylhexanoic acid
607-301-00-1	dodecanoic acid, poly(1-7)lactate esters of dodecanoic acid
607-302-00-7	tetradecanoic acid, poly(1-7)lactate esters of tetradecanoic acid
607-324-00-7	<ul style="list-style-type: none"> ● N,N-di(hydrogenated alkyl C14-C18) phthalamic acid, ● dihydrogenated alkyl (C14-C14) amine
607-326-00-8	<ul style="list-style-type: none"> ● isobutyl hydrogen 2-(α-2,4,6-trimethylnon-2-enyl)succinate, ● isobutyl hydrogen 2-(β-2,4,6-trimethylnon-2-enyl)succinate
607-329-00-4	<ul style="list-style-type: none"> ● sodium 2-(C12-18-n-alkyl)amino-1,4-butandioate, ● sodium 2-octadecenyl-amino-1,4-butandioate
607-331-00-5	<ul style="list-style-type: none"> ● bis(2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-1,10-decanedioate, ● 1,8-bis[(2,2,6,6-tetramethyl-4-((2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-decan-1,10-dioyl)piperidin-1-yl)oxy]octane
607-333-00-6	<ul style="list-style-type: none"> ● dodecyl N-(2,2,6,6-tetramethylpiperidin-4-yl)-β-alaninate, ● tetradecyl N-(2,2,6,6-tetramethylpiperidin-4-yl)-β-alaninate
607-344-00-6	<ul style="list-style-type: none"> ● 3-(N-(3-dimethylaminopropyl)-(C4-8)perfluoroalkylsulfonamido)propionic acid, ● N-[dimethyl-3-(C4-8)perfluoroalkylsulfonamido]propylammonium propionate, ● 3-(N-(3-dimethyl-propylammonium)-(C4-8)perfluoroalkylsulfonamido)propionic acid propionate
607-353-00-5	<ul style="list-style-type: none"> ● ethyl exo-tricyclo[5.2.1.0^{2,6}]decane-endo-2-carboxylate, ● ethyl endo-tricyclo[5.2.1.0^{2,6}]decane-exo-2-carboxylate
607-357-00-7	<ul style="list-style-type: none"> ● trans-4-acetoxy-4-methyl-2-propyl-tetrahydro-2H-pyran, ● cis-4-acetoxy-4-methyl-2-propyl-tetrahydro-2H-pyran
607-362-00-4	<ul style="list-style-type: none"> ● (3-methoxy)propylammonium[tris-(2-hydroxyethyl)]ammonium 2-(2-(bis(2-hydroxyethyl)amino)ethoxycarbonylmethyl)hexadec-4-enoate, ● (3-methoxy)propylammonium[tris-(2-hydroxyethyl)]ammonium 2-(2-(bis(2-hydroxyethyl)amino)ethoxycarbonylmethyl)tetradec-4-enoate, ● (3-methoxy)propylammonium[tris-(2-hydroxyethyl)]ammonium2-(3-methoxypropylcarbamoylmethyl)hexadec-4-enoate, ● (3-methoxy)propylammonium[tris-(2-hydroxyethyl)]ammonium2-(3-methoxypropylcarbamoylmethyl)tetradec-4-enoate
607-369-00-2	<ul style="list-style-type: none"> ● trans-(2R)-5-acetoxy-1,3-oxathiolane-2-carboxylic acid, ● cis-(2R)-5-acetoxy-1,3-oxathiolane-2-carboxylic acid
607-375-00-5	<ul style="list-style-type: none"> ● cis-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl) coumarin, ● trans-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl) coumarin
608-027-00-5	<ul style="list-style-type: none"> ● 3-(4-ethylphenyl)-2,2-dimethylpropanenitrile, ● 3-(2-ethylphenyl)-2,2-dimethylpropanenitrile, ● 3-(3-ethylphenyl)-2,2-dimethylpropanenitrile

Index number	Substance Name
611-012-00-6	2,2-iminodiethanol 6-methyl-2-(4-(2,4,6-triaminopyrimidin-5-ylazo)phenyl)benzothiazole-7-sulfonate, N,N-diethylpropane-1,3-diamine 6-methyl-2-(4-(2,4,6-triaminopyrimidin-5-ylazo)phenylbenzothiazole-7-sulfonate, 2-methylaminoethanol 6-methyl-2-(4-(2,4,6-triaminopyrimidin-5-ylazo)phenyl)benzothiazole-7-sulfonate
611-016-00-8	1-(1-(3-dimethylaminopropyl)-5-(3-((4-(1-(3-dimethylaminopropyl)-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-5-pyridino-3-pyridylazo)phenylazo)-2,4(or 2,6 or 3,5)-dihydroxyphenylazo)phenylazo)-1,2-dihydro-6-hydroxy-4-methyl-2-oxo-3-pyridyl)pyridinium dichloride, 1,1'-((dihydroxyphenylene)bis(azo-3,1-phenylenazo(1-(3-dimethylaminopropyl)-1,2-dihydro-6-hydroxy-4-methyl-2-oxopyridine-5,3-diyl)))dipyridinium dichloride dihydrochloride, mixed isomers
611-043-00-5	trisodium N(1')-N(2):N(1'')-N(2'')-eta-6-[2-amino- ... see Part VI for the full name of this substance, trisodium N(1')-N(2):N(1'')-N(2'')-eta-6,6"-bis(1-carbaniloyl-2-hydroxypropyl-enylazo)-5',5'''-disulfamoyl-3,3"-disulfonatobis(naphthalene-2,1'-azobenzene-1,2'-diolato-O(1),O(2'))-chromate { 1 Part of }, trisodium N(1')-N(2):N(1'')-N(2'')-eta-6,6"-bis(2-amino-4-(or 6)-hydroxy-(or 4-amino-2-hydroxy)phenylazo] 5',5'''-disulfamoyl-3,3"-disulfonatobis(naphthalene-2, 1'azobenzene-1,2'-diolato-O(1),O(2'))-chromate { 1 part of }
611-044-00-0	text-alkyl(C12-C14)ammonium bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate (1-), tert-alkyl((C12-C14)ammonium bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromate(1-), text-alkyl((C12-C14)ammonium bis[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-chromate(1-), text-alkyl((C12-C14)ammonium [[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate(1-), tert-alkyl(C12-C14)ammonium [[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]]-chromate(1-), text-alkyl(C12-C14)ammonium ((1-(4(or 5)-nitro-2-oxidophenylazo)-2-naphtholato)(1-(3-nitro-2-oxido-5-pentylphenylazo)-2-naphtholato))chromate(1-)
611-047-00-7	2-[[4-[N-ethyl-N-(2-acetoxyethyl)amino]phenyl]azo]-5,6-dichlorobenzothiazole { 1 part of }, 2-[[4-[N-ethyl-N-(2-acetoxyethyl)amino]phenyl]azo]-6,7-dichlorobenzothiazole { 1 part of }
611-048-00-2	2-[[4-[bis(2-acetoxyethyl)amino]phenyl]azo]-5,6-dichlorobenzothiazole { 1 part of }, 2-[[4-[bis(2-acetoxyethyl)amino]phenyl]azo]-6,7-dichlorobenzothiazole { 1 part of }
611-049-00-8	7-[4-(3-diethylaminopropylamino)-6-(3-diethylammoniopropylamino)-1,3,5-triazin-2-ylamino]-4-hydroxy-3-(4-phenylazophenylazo)-naphthalene-2-sulfonate { 2 parts of }, acetic acid { 1 part of }, lactic acid { 1 part of }
611-060-00-8	<ul style="list-style-type: none"> ● sodium 5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylaminol-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalate, ● ammonium 5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalate, ● 5-[8-[4-[4-[4-[7-(3,5-dicarboxylatophenylazo)-8-hydroxy-3,6-disulfonatonaphthalen-1-ylamino]-6-hydroxy-1,3,5-triazin-2-yl]-2,5-dimethylpiperazin-1-yl]-6-hydroxy-1,3,5-triazin-2-ylamino]-1-hydroxy-3,6-disulfonatonaphthalen-2-ylazo]-isophthalic acid
611-067-00-6	<ul style="list-style-type: none"> ● bis(tris(2-(2-hydroxy(1-methyl)ethoxy)ethyl)ammonium) 7-anilino-4-hydroxy-3-(2-methoxy-5-methyl-4-(4-sulfonatophenylazo)phenylazo)naphthalene-2-sulfonate, ● bis(tris(2-(2-hydroxy(2-methyl)ethoxy)ethyl)ammonium) 7-anilino-4-hydroxy-3-(2-methoxy-5-methyl-4-(4-sulfonatophenylazo)phenylazo)naphthalene-2-sulfonate
611-070-00-2	<ul style="list-style-type: none"> ● disodium (6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)(1-(5-chloro-2-oxidophenylazo)-2-naphtholato)chromate(1-), ● trisodium bis(5-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-)

Index number	Substance Name
611-074-00-4	<ul style="list-style-type: none"> ● sodium/potassium (3-(4-(5-(5-chloro-2,6-difluoropyrimidin-4-ylamino)-2-methoxy-3-sulfonatophenylazo)-2-oxidophenylazo)-2,5,7-trisulfonato-4-naphtholato)copper(II), ● sodium/potassium (3-(4-(5-(5-chloro-4,6-difluoropyrimidin-2-ylamino)-2-methoxy-3-sulfonatophenylazo)-2-oxidophenylazo)-2,5,7-trisulfonato-4-naphtholato)copper(II)
611-075-00-X	<ul style="list-style-type: none"> ● tris(3,5,5-trimethylhexylammonium) 4-amino-3-(4-(4-(2-amino-4-hydroxyphenylazo)anilino)-3-sulfonatophenylazo)-5,6-dihydro-5-oxo-6-phenylhydrazononaphthalene-2,7-disulfonate { 2 parts of}, ● tris(3,5,5-trimethylhexylammonium) 4-amino-3-(4-(4-(4-amino-2-hydroxyphenylazo)anilino)-3-sulfonatophenylazo)-5,6-dihydro-5-oxo-6-phenylhydrazononaphthalene-2,7-disulfonate { 1 part of}
611-082-00-8	<ul style="list-style-type: none"> ● pentasodium bis(1-(3(or 5)-(4-anilino-3-sulfonatophenylazo)-4-hydroxy-2-oxidophenylazo)-6-nitro-4-sulfonato-2-naphtholato)ferrate(1-), ● pentasodium [(1-(3-(4-anilino-3-sulfonatophenylazo)-4-hydroxy-2-oxidophenylazo)-6-nitro-4-sulfonato-2-naphtholato)-(5-(4-anilino-3-sulfonatophenylazo)-4-hydroxy-2-oxidophenylazo)-6-nitro-4-sulfonato-2-naphtholato]ferrate(1-)
611-083-00-3	<ul style="list-style-type: none"> ● 2-[N-ethyl-4-[(5,6-dichlorobenzothiazol-2-yl)azo]-m-toluidino]ethyl acetate { 1 part of}, ● 2-[N-ethyl-4-[(6,7-dichlorobenzothiazol-2-yl)azo]-m-toluidino]ethyl acetate { 1 part of}
611-084-00-9	<ul style="list-style-type: none"> ● N-(4-chlorophenyl)-4-(2,5-dichloro-4-(dimethylsulfamoyl)phenylazo)-3-hydroxy-2-naphthalenecarboxamide, ● N-(4-chlorophenyl)-4-(2,5-dichloro-4-(methylsulfamoyl)phenylazo)-3-hydroxy-2-naphthalenecarboxamide
611-085-00-4	<ul style="list-style-type: none"> ● 3-cyano-5-(2-cyano-4-nitrophenylazo)-2-(2-hydroxyethylamino)-4-methyl-6-[3-(2-phenoxyethoxy)propylamino]pyridine, ● 3-cyano-5-(2-cyano-4-nitrophenylazo)-6-(2-hydroxyethylamino)-4-methyl-2-[3-(2-phenoxyethoxy)propylamino] pyridine, ● 3-cyano-5-(2-cyano-4-nitrophenylazo)-2-amino-4-methyl-6-[3-(3-hydroxypropoxy)propylamino] pyridine, ● 3-cyano-5-(2-cyano-4-nitrophenylazo)-6-amino-4-methyl-2-[3-(3-methoxypropoxy)propylamino] pyridine
611-087-00-5	<ul style="list-style-type: none"> ● 3-((5-cyano-1,6-dihydro-1,4-dimethyl-2-hydroxy-6-oxo-3-pyridinyl)azo)-benzoyloxy-2-phenoxyethane, ● 3-((5-cyano-1,6-dihydro-1,4-dimethyl-2-hydroxy-6-oxo-3-pyridinyl)azo)-benzoyloxy-2-ethyloxy-2-(ethylphenol)
611-088-00-0	<ul style="list-style-type: none"> ● trilithium 4-amino-3-((4-((4-(2-amino-4-hydroxyphenyl)azo)phenyl)amino)-3-sulfophenyl)azo)-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulfonate, ● trilithium 4-amino-3-((4-((4-(4-amino-2-hydroxyphenyl)azo)phenyl)amino)-3-sulfophenyl)azo)-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulfonate
611-094-00-3	<ul style="list-style-type: none"> ● 2-[2-acetylamino-4-[N,N-bis[(2-(ethoxycarbonyloxy)ethyl)amino]phenylazo]-5,6-dichloro-1,3-benzothiazole { 1 part of}, ● 2-[2-acetylamino-4-[N,N-bis[(2-(ethoxycarbonyloxy)ethyl)amino]phenylazo]-6,7-dichloro-1,3-benzotriazole { 1 part of}
611-097-00-X	<ul style="list-style-type: none"> ● isomers of iron (1:2) complexes of a mixture of isomers of 1,3-dihydroxy-4-[(5-phenylaminosulfonyl)-2-hydroxyphenylazo]-n-(5-amino-sulfonyl-2-hydroxyphenylazo) benzene (n=2,5,6), ● isomers of 1,3-dihydroxy-4-[(5-phenylaminosulfonyl)-2-hydroxyphenylazo]-n-[4-(4-nitro-2-sulfophenylamino)phenylazo]benzene (n=2,5,6)
612-156-00-2	trihexadecylmethylammonium chloride, dihexadecyldimethylammonium chloride
612-158-00-3	bis(5-dodecyl-2-hydroxybenzaldoximate) copper (II) C12-alkyl group is branched, 4-dodecylsalicylaldoxime
612-166-00-7	<ul style="list-style-type: none"> ● cis-(5-ammonium-1,3,3-trimethyl)-cyclohexanemethylammonium phosphate (1:1), ● trans-(5-ammonium-1,3,3-trimethyl)-cyclohexanemethylammonium phosphate (1:1)

Index number	Substance Name
613-077-00-6	5-heptyl-1,2,4-triazol-3-ylamine, 5-nonyl-1,2,4-triazol-3-ylamine
613-085-00-X	1,1'-(methylenebis(4,1-phenylene))dipyrrole-2,5-dione, N-(4-(4-(2,5-dioxopyrrol-1-yl)benzyl)phenyl)acetamide, 1-(4-(4-(5-oxo-2H-2-furylideneamino)benzyl)phenyl)pyrrole-2,5-dione
616-047-00-0	2,2',2'',2'''-(ethylenedinitrilo)tetrakis-N,N-di(C16)alkylacetamide, 2,2',2'',2'''-(ethylenedinitrilo)tetrakis-N,N-di(C18)alkylacetamide
616-051-00-2	2,4-bis(N'-(4-methylphenyl)-ureido)-toluene, 2,6-bis(N'-(4-methylphenyl)-ureido)-toluene
616-057-00-5	<ul style="list-style-type: none"> ● N-[3-hydroxy-2-(2-methylacryloylaminomethoxy)propoxyethyl]-2-methylacrylamide, ● N-[2,3-bis-(2-methylacryloylaminomethoxy)propoxyethyl]-2-methylacrylamide, ● methacrylamide, ● 2-methyl-N-(2-methylacryloylaminomethoxymethyl)-acrylamide, ● N-(2,3-dihydroxypropoxymethyl)-2-methylacrylamide
616-070-00-6	<ul style="list-style-type: none"> ● 3,3'-dicyclohexyl-1,1'-methylenebis(4,1-phenylene)diurea, ● 3-cyclohexyl-1-(4-(4-(3-octadecylureido)benzyl)phenyl)urea, ● 3,3'-dioctadecyl-1,1'-methylenebis(4,1-phenylene)diurea
616-071-00-1	<ul style="list-style-type: none"> ● bis(N-cyclohexyl)-N'-phenyleneureido)methylene { 1 part of}, ● bis(N-octadecyl)-N'-phenyleneureido)methylene { 2 parts of}, ● bis(N-dicyclohexyl)-N'-phenyleneureido)methylene { 1 part of}
616-077-00-4	<ul style="list-style-type: none"> ● 2-(9-methyl-1,3,8,10-tetraoxo-2,3,9,10-tetrahydro-(1H,8H)-anthra[2,1,9-def:6,5,10-d'e'f]diisoquinolin-2-ylethansulfonic acid, ● potassium 2-(9-methyl-1,3,8,10-tetraoxo-2,3,9,10-tetrahydro-(1H,8H)-anthra[2,1,9-def:6,5,10-d'e'f]diisoquinolin-2-ylethansulfate
616-087-00-9	<ul style="list-style-type: none"> ● 7,9,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahexadecane-1,16-diylprop-2-enoate, ● 7,7,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahexadecan-1,16-diylprop-2-enoate
617-017-00-X	<ul style="list-style-type: none"> ● 2,2'-bis(tert-pentylperoxy)-p-diisopropylbenzene, ● 2,2'-bis(tert-pentylperoxy)-m-diisopropylbenzene

Part IV Information for classification of pesticides

Part IV Information for classification of pesticides

The following LD50 values should be taken into consideration when applying the formula set out in Schedule 4.2(3) of CHIP.

The information is given in the following format:

substance conventional values of oral LD50 mg/kg

Acephate 945	Chlordimeform 340
Alachlor 1200	Chlorfenac 575
Allethrin 920	Chlorfenethol 930
Allidochlor 700	Chlorfenprop-methyl 1190
Aluminium phosphide ¹ 0.4	Chlorfenvinphos 10
Ametryne 1405	Chlorophacinone 2
Amidithion 600	Chlorphonium 178
2-aminobutane 380	Chlorpyrifos 135
Aminocarb 50	Chlorthiamid 757
Aminotriazole 2000	Coumachlor 900
Ammonium polysulphides ²	Coumaphos 16
Antu 2	Coumatetralyl 17
Azinphos-ethyl 12	Coumithoate 67
Azinphos-methyl 16	Crimidine 1.25
Barban 1300	Crotoxyphos 74
Barium carbonate 650	Crufomate 770
Barium polysulphides ²	Cyanazine 182
Bensulide 770	Cyanophos 610
Bentazone 1100	Cyanthoate 3.2
Benzthiazuron 1280	Cycloheximide 2
Binapacryl 421	Cyhexatin 540
Bromofenoxim 1217	2,4-D 375
Bromophos 1600	Dazomet 640
Bromophos-ethyl 71	2,4-DB 700
Bromoxynil 190	DDT 113
Calcium polysulphides ²	Demeton-O 1.7
Camphechlor 80	Demeton-O-methyl 180
Carbaryl 300	Demeton-S 1.7
Carbofuran 8	Demeton-S-methyl 40
Carbon disulphide ¹ 0.4	Demeton-S-methylsulphone 37
Carbophenothion 32	Desmetryne 1390
Chlordane 460	Dialifos 5
Chlordecone 114	Diallate 395

Diazinon 300	Fenchlorphos 1740
1,2-dibromo-3-chloropropane 170	Fenitrothion 503
1,2-dibromoethane ¹ 0.4	Fenoprop 650
Dichlofenthion 270	Fensulfothion 3.5
Dichlofluamid ²	Fenthion 190
Dichlone 1300	Fentin acetate 125
1,2-dichloroethane 670	Fentin hydroxide 108
Dichlorprop 800	Fluoracetamide. 13
Dichlorvos 56	Fonofos 8
Dicofol 690	Formothion 365
Dicrotophos 22	Heptachlor 100
Dimefox 1	Heptachlor epoxide 34
Dimetan 120	hexachloroacetone 1550
Dimethoate 425	8-hydroxyquinoline sulphate 1200
Dimetilan 47	Ioxynil 110
Dinobuton 140	Ioxynil-octanoate 390
Dinocap 980	Isolan 11
Dinoseb 58	Kelevan 240
Salts and esters of dinoseb 60	Lindane 88
Dinoterb 25	Malathion containing 1.8% isomalathion or less 2000
Salts and esters of dinoterb 25	Malathion containing more than 1.8% isomalathion 885
Dioxacarb 90	MCPA 700
Dioxathion 23	Salts and esters of MCPA 700
Diphenamid 970	MCPB 680
Disulfoton 2.6	Salts and esters of MCPB 680
Dithianon 640	Mecarbam 36
DNOC 25	Mecoprop 930
Dodine 1000	Mephosfolan 9
Drazoxolon 126	Mercurous chloride 210
Endosulfan 80	Metaldehyde 630
Endothal-sodium 51	Methamidophos 7.5
Endothion 30	Methidathion 25
Endrin 7	Methiocarb 35
EPN 14	Methomyl 17
EPTC 1652	Methyl isothiocyanate 175
Erbon 1120	Molinate 720
Ethion 161	Monocrotophos 14
Ethoate-methyl 340	Monolinuron 1800
Fenamiosulf 60	Monuron 480
Fenazaflor 283	Morfamquat 325

Nabam 395
 Naled 430
 Norbormide 4.4
 Omethoate 50
 Parathion 2
 Parathion-methyl 6
 Pebulate 1120
 pentachlorophenol 27
 Phenthoate 400
 Phorate 2
 Phosmet 230
 Phosphamidon 17
 Phospholan 9
 Phoxim 1845
 Pirimiphos-ethyl 140
 Potassium polysulphides²
 Promecarb 74
 Promurit 0.28
 Propanil 1400
 Propargite 1500
 2-propenal (Acrolein) 46
 2-propen-1-ol 64
 Propoxur 95
 Prothoate 8
 Schradan 9
 Sodium polysulphides²
 Strychnine 5
 Sulfallate 850
 Sulfotep 5
 2,4,5-T 500
 Salts and esters of 2,4,5-T 500
 2,3,6-TBA 1500
 TEPP 1.1
 tetrachloromethane¹ 0.4
 Thiometon 120
 Thiram 560
 Triallate 1700
 Triamiphos 20
 Trichloronate 16
 Trichlorphon 560

Tridemorph 650
 Trifenmorph 1400
 Vamidothion 103
 Warfarin 3
 Zinc phosphide¹ 0.4
 Ziram 1400

Notes

- 1 Not determined experimentally
- 2 Conventional LD50 values have not been given to these substances because of their corrosive/irritant properties

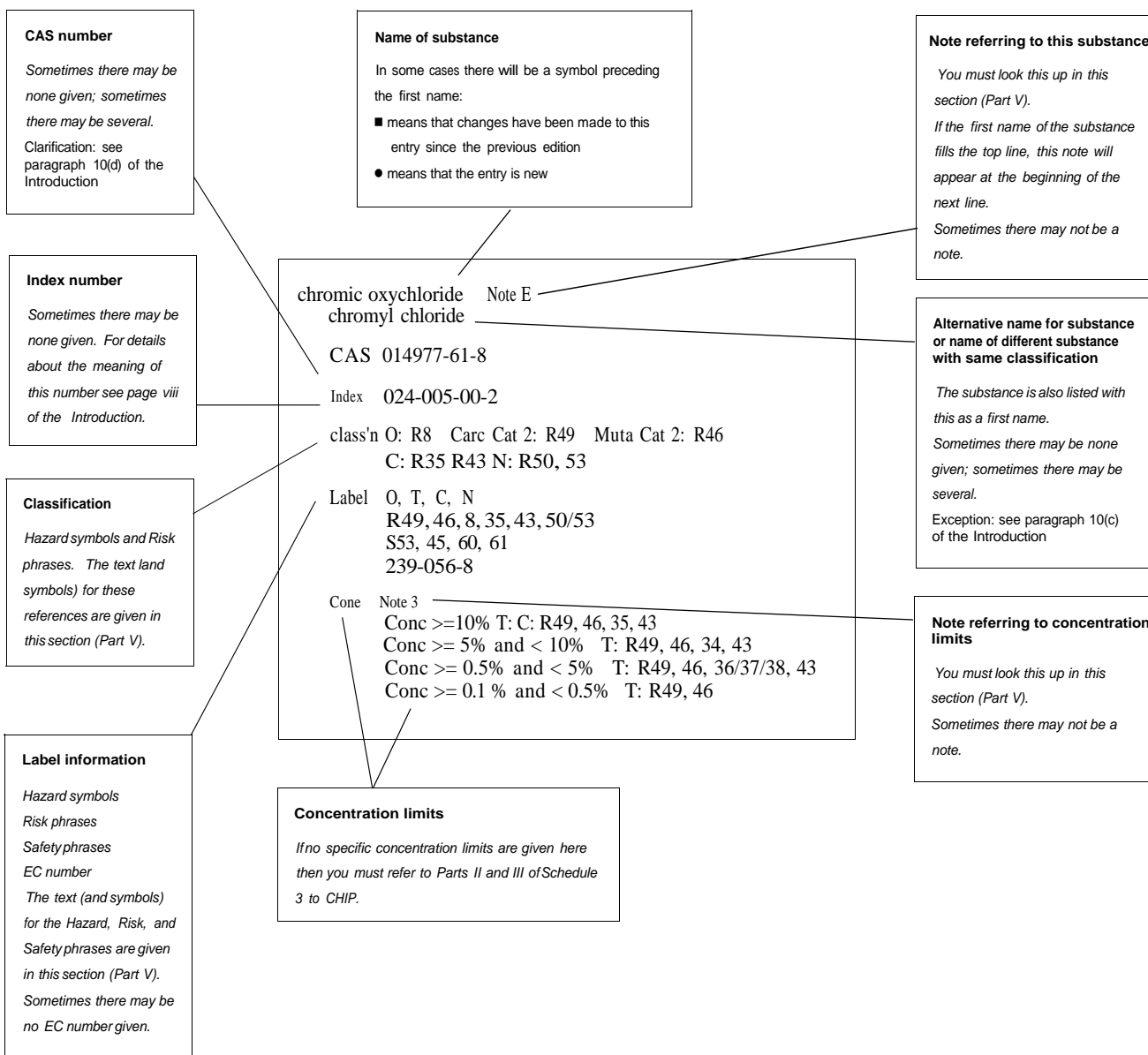
Part V Sample entry, risk and safety phrases,
hazard symbols and explanation of notes

Part V Sample entry, risk and safety phrases, hazard symbols and explanation of notes

Given on the following pages are the risk and safety phrases referred to by number in the entries in Part I 'Alphabetic listing, classification and labelling information'. Also given are hazard symbols, and the explanation of notes to entries in Part I.

For details of how to use the Approved Supply List, including alphabetic listing conventions, refer to the Introduction,

Shown below is a sample entry from Part I, explaining the structure of an entry.



Risk phrases

Indication of particular risks	29	Contact with water liberates toxic gas
1 Explosive when dry	30	Can become highly flammable in use
2 Risk of explosion by shock, friction, fire or other sources of ignition	31	Contact with acids liberates toxic gas
3 Extreme risk of explosion by shock, friction, fire or other sources of ignition	32	Contact with acids liberates very toxic gas
4 Forms very sensitive explosive metallic compounds	33	Danger of cumulative effects
5 Heating may cause an explosion	34	Causes burns
6 Explosive with or without contact with air	35	Causes severe burns
7 May cause fire	36	Irritating to eyes
8 Contact with combustible material may cause fire	37	Irritating to respiratory system
9 Explosive when mixed with combustible material	38	Irritating to skin
10 Flammable	39	Danger of very serious irreversible effects
11 Highly flammable	40	Limited evidence of a carcinogenic effect
12 Extremely flammable	41	Risk of serious damage to eyes
14 Reacts violently with water	42	May cause sensitisation by inhalation
15 Contact with water liberates extremely flammable gases	43	May cause sensitisation by skin contact
16 Explosive when mixed with oxidising substances	44	Risk of explosion if heated under confinement
17 Spontaneously flammable in air	45	May cause cancer
18 In use may form flammable/explosive vapour-air mixture	46	May cause heritable genetic damage
19 May form explosive peroxides	48	Danger of serious damage to health by prolonged exposure
20 Harmful by inhalation	49	May cause cancer by inhalation
21 Harmful in contact with skin	50	Very toxic to aquatic organisms
22 Harmful if swallowed	51	Toxic to aquatic organisms
23 Toxic by inhalation	52	Harmful to aquatic organisms
24 Toxic in contact with skin	53	May cause long-term adverse effects in the aquatic environment
25 Toxic if swallowed	54	Toxic to flora
26 Very toxic by inhalation	55	Toxic to fauna
27 Very toxic in contact with skin	56	Toxic to soil organisms
28 Very toxic if swallowed	57	Toxic to bees
	58	May cause long-term adverse effects in the environment

59	Dangerous for the ozone layer	36/38	Irritating to eyes and skin
60	May impair fertility	37/38	Irritating to respiratory system and skin
61	May cause harm to the unborn child	39/23	Toxic: danger of very serious irreversible effects through inhalation
62	Possible risk of impaired fertility	39/23/24	Toxic: danger of very serious irreversible effects through inhalation and in contact with skin
63	Possible risk of harm to the unborn child	39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
64	May cause harm to breastfed babies	39/23/25	Toxic: danger of very serious irreversible effects through inhalation and if swallowed
65	Harmful: may cause lung damage if swallowed	39/24	Toxic: danger of very serious irreversible effects in contact with skin
66	Repeated exposure may cause skin dryness or cracking	39/24/25	Toxic: danger of very serious irreversible effects in contact with skin and if swallowed
67	Vapours may cause drowsiness and dizziness	39/25	Toxic: danger of very serious irreversible effects if swallowed
68	Possible risk of irreversible effects	39/26	Very Toxic: danger of very serious irreversible effects through inhalation
Combination of particular risks			
14/15	Reacts violently with water, liberating extremely flammable gases	39/26/27	Very Toxic: danger of very serious irreversible effects through inhalation and in contact with skin
15/29	Contact with water liberates toxic, extremely flammable gas	39/26/27/28	Very Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
2011	Harmful by inhalation and in contact with skin	39/26/28	Very Toxic: danger of very serious irreversible effects through inhalation and if swallowed
20/21/22	Harmful by inhalation, in contact with skin and, if swallowed	39/27	Very Toxic: danger of very serious irreversible effects in contact with skin
20/22	Harmful by inhalation and if swallowed	39/21/28	Very Toxic: danger of very serious irreversible effects in contact with skin and if swallowed
21/22	Harmful in contact with skin and if swallowed	39/28	Very Toxic: danger of very serious irreversible effects if swallowed
23/24	Toxic by inhalation and in contact with skin	68/20	Harmful: possible risk of irreversible effects through inhalation
23/24/25	Toxic by inhalation, in contact with skin and if swallowed	68/20/21	Harmful: possible risk of irreversible effects through inhalation and in contact with skin
23/25	Toxic by inhalation and if swallowed	68/20/21/22	Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed
24/25	Toxic in contact with skin and if swallowed	68/20/22	Harmful: possible risk of irreversible effects through inhalation and if swallowed
26/27	Very toxic by inhalation and in contact with skin		
26/27/28	Very toxic by inhalation, in contact with skin and if swallowed		
26/28	Very toxic by inhalation and if swallowed		
27/28	Very toxic in contact with skin and if swallowed		
36/37	Irritating to eyes and respiratory system		
36/37/38	Irritating to eyes, respiratory system and skin		

68/21	Harmful: possible risk of irreversible effects in contact with skin	51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
68/21/22	Harmful: possible risk of irreversible effects in contact with skin and if swallowed	52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
68/22	Harmful: possible risk of irreversible effects if swallowed		
42/43	May cause sensitisation by inhalation and skin contact		
48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation		
48/20/21	Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin		
48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed		
48/20/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed		
48/21	Harmful: danger of serious damage to health by prolonged exposure in contact with skin		
48/21/22	Harmful: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed		
48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed		
48/23	Toxic: danger of serious damage to health by prolonged exposure through inhalation		
48/23/24	Toxic: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin		
48/23/24/25	Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed		
48/23/25	Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed		
48/24	Toxic: danger of serious damage to health by prolonged exposure in contact with skin		
48/24/25	Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed		
48/25	Toxic: danger of serious damage to health by prolonged exposure if swallowed		
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment		

Safety phrases



















	Indication of safety precautions	30	Never add water to this product
1	Keep locked up	33	Take precautionary measures against static discharges
(2)	Keep out of the reach of children	35	This material and its container must be disposed of in a safe way
3	Keep in a cool place	36	Wear suitable protective clothing
4	Keep away from living quarters	37	Wear suitable gloves
5	Keep contents under ... (appropriate liquid to be specified by the manufacturer)	38	In case of insufficient ventilation wear suitable respiratory equipment
6	Keep under ... (inert gas to be specified by the manufacturer)	39	Wear eye/face protection
7	Keep container tightly closed	40	To clean the floor and all objects contaminated by this material use ... (to be specified by the manufacturer)
8	Keep container dry	41	In case of fire and/or explosion do not breathe fumes
9	Keep container in a well-ventilated place	42	During fumigation/spraying wear suitable respiratory equipment (appropriate wording to be specified by the manufacturer)
12	Do not keep the container sealed	43	In case of fire, use ... (indicate in the space the precise type of fire fighting equipment. If water increases the risk add - Never use water)
13	Keep away from food, drink and animal feeding stuffs	45	In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
14	Keep away from ... (incompatible materials to be indicated by the manufacturer)	46	If swallowed, seek medical advice immediately and show this container or label
15	Keep away from heat	47	Keep at temperature not exceeding ... °C (to be specified by the manufacturer)
16	Keep away from sources of ignition - No smoking	48	Keep wetted with ... (appropriate material to be specified by the manufacturer)
17	Keep away from combustible material	49	Keep only in the original container
18	Handle and open container with care	50	Do not mix with ... (to be specified by the manufacturer)
20	When using do not eat or drink	51	Use only in well ventilated areas
21	When using do not smoke	52	Not recommended for interior use on large surface areas
22	Do not breathe dust	53	Avoid exposure - Obtain special instructions before use
23	Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)	56	Dispose of this material and its container to hazardous or special waste collection point
24	Avoid contact with skin	57	Use appropriate containment to avoid environmental contamination
25	Avoid contact with eyes	59	Refer to manufacturer/supplier for information on recovery/recycling
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice		
27	Take off immediately all contaminated clothing		
28	After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)		
29	Do not empty into drains		

60	This material and its container must be disposed of as hazardous waste	29/56	Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point
61	Avoid release to the environment. Refer to special instructions/safety data sheet	36/37	Wear suitable protective clothing and gloves
62	If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label	36/37/39	Wear suitable protective clothing, gloves and eye/face protection
63	In case of accident by inhalation: remove casualty to fresh air and keep at rest	36/39	Wear suitable protective clothing and eye/face protection
64	If swallowed, rinse mouth with water (only if the person is conscious)	37/39	Wear suitable gloves and eye/face protection
		47/49	Keep only in the original container at a temperature not exceeding ... °C (to be specified by manufacturer)

Combination of safety precautions

(1/2)	Keep locked up and out of the reach of children
3/7	Keep container tightly closed in a cool place
3/7/9	Keep container tightly closed in a cool, well ventilated place
3/9/14	Keep in a cool, well ventilated place away from ... (incompatible materials to be indicated by the manufacturer)
3/9/14/49	Keep only in the original container in a cool, well ventilated place away from ... (incompatible materials to be indicated by the manufacturer)
3/9/49	Keep only in the original container in a cool, well ventilated place
3/14	Keep in a cool place away from ... (incompatible materials to be indicated by manufacturer)
7/8	Keep container tightly closed and dry
7/9	Keep container tightly closed and in a well ventilated place
7/47	Keep container tightly closed and at a temperature not exceeding ... °C (to be specified by manufacturer)
20/21	When using do not eat, drink or smoke
24/25	Avoid contact with skin and eyes
27/28	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of ... (to be specified by the manufacturer)
29/35	Do not empty into drains; dispose of this material and its container in a safe way

Hazard symbols

	category of danger	symbol letter	indication of danger	symbol <i>orange background</i>	
Physico-chemical	explosive	E	explosive		
	oxidising	O	oxidising		
	extremely flammable	F+	extremely flammable		
	highly flammable	F	highly flammable		
	flammable	-	-	-	
Health	very toxic	T+	very toxic		
	toxic	T	toxic		
	harmful	Xn	harmful		
	corrosive	C	corrosive		
	irritant	Xi	irritant		
	sensitising		Xn	harmful	
			Xi	irritant	
	<i>Carcinogenic</i>	categories 1 and 2	T	toxic	
		category 3	Xn	harmful	
	<i>Mutagenic</i>	categories 1 and 2	T	toxic	
		category 3	Xn	harmful	
	<i>Toxic for reproduction</i>	categories 1 and 2	T	toxic	
		category 3	Xn	harmful	
	Environmental	dangerous for the environment	N	dangerous for the environment	

Notes

Lettered notes

The notes which appear after (or in some cases just below) the first name of the substance are very important. The significance of the notes is as follows.

Note A

The name of the substance should appear on the label in the form of one of the designations given in Parts I or III.

In Parts I or III, use is sometimes made of a general designation such as: '... compounds' or '... salts'. In this case, the manufacturer or any other person who markets such a substance should state on the label the correct name, due account being taken of the general advice in the introduction.

example for BeCl₂: beryllium chloride

Note B

Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and therefore require different labelling since the hazards vary. For aqueous solutions the label shown in Part I is for the highest concentration range given under the concentration limits. For lower concentration ranges, safety phrases should be selected according to the normal rules for preparations.

In Parts I and III, a general designation of the following type is used; %

example '... % nitric acid'

In this case the manufacturer or any other person who markets such a substance should give on the label the percentage concentration of the solution.

example 45% nitric acid

Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight (w/w) basis.

The use of other data (eg specific gravity, degrees Baumé) or descriptive phrases (eg fuming or glacial) is permissible.

Note C

Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In Parts I or III, a general designation of the following type is sometimes used:

example 'xlenol'

In this case the manufacturer or any other person who markets such a substance should state on the label whether the substance is a specific isomer (a) or a mixture of isomers (b).

examples (a) 2,4-dimethylphenol
(b) xlenol (mixture of isomers)

(See also paragraphs 10 and 13).

Note D

Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. This is the form that is listed in Parts I and III.

However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the manufacturer or any person who places such a substance on the market should state on the label the name of the substance followed by the words 'non-stabilised'.

example methacrylic acid (non-stabilised)

Note E

For substances ascribed Note E the risk phrases R20, R21, R22, R23, R24, R25, R26, R27, R28, R39, R68 (harmful) and R65 and all combinations of these risk phrases should be preceded by the word 'also'.

examples R45, 23: 'May cause cancer. Also toxic by inhalation'
R46, 27/28: 'May cause heritable genetic damage
Also very toxic in contact with skin and if swallowed'

Note F

This substance may contain a stabiliser. If the stabiliser changes the dangerous properties of the substance, as indicated by the label in Part I, a label should be provided in accordance with the rules for the labelling of dangerous preparations.

Note G

This substance may be marketed in an explosive form in which case it should be evaluated using the appropriate test methods and a label should be provided reflecting its explosive property.

Note H

The classification and label shown for this substance applies only to the dangerous property(ies) indicated by the risk phrase(s) in combination with the category(ies) of danger shown. The requirements of regulation 4 of CHIP, on manufacturers, distributors and importers of this substance apply to all other aspects of classification and labelling. The final label shall follow the requirements of the Approved guide to the classification and labelling of substances and preparations dangerous for supply. This note applies only to certain coal- and oil-derived complex substances.

NB The following notes J, K, L, M and P are also relevant to preparations (see paragraphs 29 and 30).

Note J

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS no 200-753-7). This note only applies to certain complex coal- and oil-derived substances,

Note K

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.1% w/w 1,3 butadiene (EINECS no 203-450-8). If the substance is not classified as a carcinogen, at least the S-phrases (2), 9,16 should apply. This note only applies to certain complex oil-derived substances.

Note L

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346. This note only applies to certain complex oil-derived substances.

Note M

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.005% w/w benzo[a]-pyrene (EINECS no 200-028-5). This note only applies to certain complex coal-derived substances.

Note N

The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen. This note only applies to certain complex oil-derived substances.

Note P

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS no 200-753-7).

When the substance is classified as a carcinogen Note E shall also apply.

When the substance is not classified as a carcinogen at least the S-phrases (2), 23, 24, 62 shall apply. This note only applies to certain complex oil-derived substances.

Note Q

The classification as a carcinogen need not apply if it can be shown that the substance fulfils one of the following conditions:

- a short-term biopersistence test by inhalation has shown that the fibres longer than 20 µm have a weighted half life of less than 10 days, or
- a short-term biopersistence test by intratracheal instillation has shown that the fibres longer than 20 µm have a weighted half life less than 40 days, or
- an appropriate intra-peritoneal test has shown no evidence of excess carcinogenicity, or
- absence of relevant pathogenicity or neoplastic changes in a suitable long term inhalation test.

Note R

The classification as a carcinogen need not apply to fibres with a length weighted geometric mean diameter less two standard geometric errors greater than 6 µm.

Note S

This substance may not require a label according to regulation 9 of CHIP (see the section entitled 'Special cases' in the Approved guide to the classification and labelling of substances and preparations dangerous for supply)

Labelling of preparations

The significance of the notes that appear above the concentration limits for each entry in Part I is as follows.

Note 1

The concentration stated is the percentage by weight of the metallic element calculated with reference to the total weight of the preparation.

Note 2

The given concentration of isocyanate is the percentage by weight of the free monomer calculated with reference to the total weight of the preparation.

Note 3

The concentration stated is the percentage by weight of chromate ions dissolved in water calculated with reference to the total weight of the preparation.

Note 4

Preparations containing these substances have to be classified as harmful with R65 if they meet the criteria in the Approved guide to the classification and labelling of substances and preparations dangerous for supply.

Note 5

The concentration limits for gaseous preparations are expressed as volume per volume percentage.



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