

DIRECTIVES

COMMISSION DIRECTIVE 2009/2/EC

of 15 January 2009

amending, for the purpose of its adaptation to technical progress, for the 31st time, Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances

(Text with EEA relevance)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Community,

Having regard to Council Directive 67/548/EEC of 27 June 1967 on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances ⁽¹⁾, and in particular Article 28 thereof,

Whereas:

- (1) Article 4(3) of Directive 67/548/EEC sets out the criteria and the procedure to be followed to harmonise the classification and labelling of substances. Paragraphs 4.1.3, 4.1.4 and 4.1.5 of Annex VI to Directive 67/548/EEC oblige industry to provide information to Member States and Member States to make proposals for harmonised classification and labelling as a matter of urgency, when information becomes available justifying that a substance fulfils the criteria as a mutagenic, carcinogenic or reproductive toxic chemical.
- (2) Annex I to Directive 67/548/EEC contains a list of dangerous substances, together with particulars of the classification and labelling of each substance. That list needs to be updated to include further notified new substances and further existing substances, as well as to adapt certain entries to technical progress. In addition, it is necessary, in that Annex, to delete entries for certain substances.
- (3) Annex I to Directive 67/548/EEC already contains numerous group entries in particular for metal compounds evaluated using a grouping and read across approach based on analogy between substances.
- (4) Annex I to Directive 67/548/EEC also contains certain groups where members of the group are identified and where the classification was derived by applying grouping and read across approaches, notably the petroleum streams and gasses.
- (5) Annex VI to Directive 67/548/EEC states that the data required for classification and labelling may be obtained from a number of different sources, including the results of validated structure-activity relationships and expert judgement.
- (6) The classifications of the nickel compounds listed in this Directive are based on the effects originating from the Ni(2+) ion and on the available data for nickel compounds. The classifications were derived by grouping nickel compounds into categories on the basis of water solubility (e.g. groups insoluble, slightly soluble and soluble nickel compounds respectively). Water solubility was used as an initial criterion to define these categories, based on the argument that nickel substances having similar water solubility will indicate similar bioavailability of the Ni(2+) ion and similar systemic toxicity. This justifies a read across within groups from the substances for which the available adequate test data demonstrate a specific systemic effect to those lacking such test data. For some effects, read across between groups is justified, as similar effects have been observed across the range of water solubility. For example, epidemiological studies show that both soluble and insoluble nickel compounds (at opposite ends of the range of solubility) have local carcinogenic effects in the respiratory tract. There is, therefore, good reason to conclude that slightly soluble compounds (at the middle of this range) have similar carcinogenic properties.
- (7) As part of an evaluation of all the available information for the nickel compounds, water solubility can be used as an approximation of systemic bioavailability of the Ni(2+) ion for many effects and substances.

⁽¹⁾ OJ 196, 16.8.1967, p. 1.

- (8) The classification and labelling of the substances listed in this Directive should be reviewed if new scientific knowledge becomes available. In this context, noting in particular that the nickel industry has recently submitted preliminary, partial and not peer-reviewed information, special attention should be paid to the outcome of future discussions within the World Health Organisation's International Agency for Research on Cancer on the carcinogenicity of nickel substances, or to any relevant new scientific findings or interpretations of the data used to establish the classifications for the nickel compounds included in this Directive.
- (9) The measures provided for in this Directive are in accordance with the opinion of the Committee on the Adaptation to Technical Progress of the Directives for the Elimination of Technical Barriers to Trade with Dangerous Substances and Preparations,

HAS ADOPTED THIS DIRECTIVE:

Article 1

Directive 67/548/EEC is amended as follows. Annex I is amended as follows:

- (a) the entries corresponding to the entries set out in Annex 1A to this Directive are replaced by the entries set out in that Annex;
- (b) the entries set out in Annex 1B to this Directive are inserted in accordance with the order of the entries set out in Annex I to Directive 67/548/EEC;
- (c) the entries set out in Annex 1C to this Directive are deleted.

Article 2

Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive by 1 June 2009 at the latest. They shall forthwith communicate to the Commission the text of those provisions and a correlation table between those provisions and this Directive.

When Member States adopt those provisions, they shall contain a reference to this Directive or be accompanied by such a reference on the occasion of their official publication. Member States shall determine how such reference is to be made.

Member States shall communicate to the Commission the text of the main provisions of national law which they adopt in the field covered by this Directive.

Article 3

This Directive shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

Article 4

This Directive is addressed to the Member States.

Done at Brussels, 15 January 2009.

For the Commission

Stavros DIMAS

Member of the Commission

ANNEX 1A

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|------------|---|---|--|-------------------------------|
| 001-002-00-4 | aluminium lithium hydride | | 240-877-9 | 16853-85-3 | F; R15 C; R35 | F; C R: 15-35 S: (1/2-)7/8-26-36/37/ 39-43-45 | | |
| 005-006-00-7 | dibutyltin hydrogen borate | E | 401-040-5 | 75113-37-0 | Muta. Cat. 3; R68 Repr. Cat. 2; R60-61 T; R48/25 Xn; R21/22 Xi; R41 R43 N; R50-53 | T; N R: 60-61-21/22-41-43- 48/25-68-50/53 S: 53-45-60-61 | | |
| 006-007-00-5 | salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex | A | — | — | T+; R26/27/28 R32 N; R50-53 | T+; N R: 26/27/28-32-50/53 S: (1/2-)7-28-29-45-60- 61 | | |
| 006-015-00-9 | diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea | | 206-354-4 | 330-54-1 | Carc. Cat. 3; R40 Xn; R22-48/22 N; R50-53 | Xn; N R: 22-40-48/22-50/53 S: (2-)13-36/37-46-60-61 | C ≥ 25 %: Xn, N; R22-40-48/22-50/53 10 % ≤ C < 25 %: Xn, N; R40-48/22- 50/53 2,5 % ≤ C < 10 %: Xn, N; R40-50/53 1 % ≤ C < 2,5 %: Xn, N; R40-51/53 0,25 % ≤ C < 1 %: N; R51/53 0,025 % ≤ C < 0,25 %: R52/53 | |
| 006-076-00-1 | mancozeb (ISO); manganese ethylenebis(dithio- carbamate) (polymeric) complex with zinc salt | | — | 8018-01-7 | Repr. Cat. 3; R63 R43 N; R50 | Xn; N R: 43-63-50 S: (2-)36/37-46-61 | C ≥ 5 %: Xn, N; R43-63-50 2,5 % ≤ C < 5 %: Xi, N; R43-50 1 % ≤ C < 2,5 %: Xi; R43 | |
| 006-077-00-7 | maneb (ISO); manganese ethylenebis(dithio- carbamate) (polymeric) | | 235-654-8 | 12427-38-2 | Repr. Cat. 3; R63 Xn; R20 Xi; R36 R43 N; R50-53 | Xn; N R: 20-36-43-63-50/53 S: (2-)36/37-46-60-61 | C ≥ 25 %: Xn, N; R20-36-43-63-50/53 20 % ≤ C < 25 %: Xn, N; R36-43-63- 50/53 5 % ≤ C < 20 %: Xn, N; R43-63-50/53 2,5 % ≤ C < 5 %: Xi, N; R43-50/53 1 % ≤ C < 2,5 %: Xi, N; R43-51/53 0,25 % ≤ C < 1 %: N; R51/53 0,025 % ≤ C < 0,25 %: R52/53 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|--------------------------------|----------------------------------|--|--|---|-------------------------------|
| 006-084-00-5 | carbosulfan (ISO); 2,3-dihydro-2,2-dimethyl-7-benzofuryl [(dibutylamino)thio]methylcarbamate | | 259-565-9 | 55285-14-8 | T+; R26 T; R25 R43 N; R50-53 | T+; N R: 25-26-43-50/53 S: (1/2-)28-36/37-38-45-63-60-61 | | |
| 006-088-00-7 | benfuracarb (ISO); ethyl N-[2,3-dihydro-2,2-dimethylbenzofuran-7-yloxy-carbonyl(methyl)aminothio]-N-isopropyl-β-alaninate | | — | 82560-54-1 | Repr. Cat. 3; R62 T; R23 Xn; R22 N; R50-53 | T; N R: 22-23-62-50/53 S: (1/2-)36/37-45-60-61 | | |
| 007-002-00-0 | nitrogen dioxide; [1] dinitrogen tetraoxide [2] | | 233-272-6 [1] 234-126-4 [2] | 10102-44-0 [1] 10544-72-6 [2] | O; R8 T+; R26 C; R34 | O; T+ R: 8-26-34 S: (1/2-)9-26-28-36/37/39-45 | C ≥ 10 %: T+; R26-34 5 % ≤ C < 10 %: T; R23-34 1 % ≤ C < 5 %: T; R23-36/37/38 0,5 % ≤ C < 1 %: Xn; R20-36/37/38 0,1 % ≤ C < 0,5 %: Xn; R20 | 5 |
| 015-041-00-X | malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing ≤ 0,03 % isomalathion] | | 204-497-7 | 121-75-5 | Xn; R22 R43 N; R50-53 | Xn; N R: 22-43-50/53 S: (2-)24-37-46-60-61 | C ≥ 25 %: Xn, N; R22-43-50/53 1 % ≤ C < 25 %: Xi, N; R43-50/53 0,025 % ≤ C < 1 %: N; R50/53 0,0025 % ≤ C < 0,025 %: N; R51/53 0,00025 % ≤ C < 0,0025 %: R52/53 | |
| 015-100-00-X | phoxim (ISO); α-(diethoxyphosphinothioyl-imino) phenylacetone nitrile | | 238-887-3 | 14816-18-3 | Repr. Cat. 3; R62 Xn; R22 R43 N; R50-53 | Xn; N R: 22-43-62-50/53 S: (2-)36/37-46-60-61 | C ≥ 25 %: Xn, N; R22-43-62-50/53 5 % ≤ C < 25 %: Xn, N; R43-62-50/53 1 % ≤ C < 5 %: Xi, N; R43-50/53 0,025 % ≤ C < 1 %: N; R50/53 0,0025 % ≤ C < 0,025 %: N; R51/53 0,00025 % ≤ C < 0,0025 %: R52/53 | |
| 015-102-00-0 | tris(2-chloroethyl)phosphate | E | 204-118-5 | 115-96-8 | Carc. Cat. 3; R40 Repr. Cat. 2; R60 Xn; R22 N; R51-53 | T; N R: 60-22-40-51/53 S: 53-45-61 | | |
| 015-155-00-X | glufosinate ammonium (ISO); ammonium 2-amino-4-(hydroxymethyl)phosphinyl)butyrate | E | 278-636-5 | 77182-82-2 | Repr. Cat. 2; R60 Repr. Cat. 3; R63 Xn; R20/21/22-48/20/22 | T R: 60-20/21/22-48/20/22-63 S: 53-45 | | |
| 016-009-00-8 | disodium sulfide; sodium sulfide | | 215-211-5 | 1313-82-2 | T; R24 Xn; R22 C; R34 R31 N; R50 | T; C; N R: 22-24-31-34-50 S: (1/2-)26-36/37/39-45-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|---|---|--|--|--|-------------------------------|
| 017-009-00-0 | ammonium perchlorate; [containing $\geq 80\%$ of 0-30 μm particles] | T | 232-235-1 | 7790-98-9 | E; R3 O; R9 | E R: 3-9 S: (2-)14-16-36/37 | | |
| 024-004-00-7 | sodium dichromate | E | 234-190-3 | 10588-01-9 | O; R8 Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 2; R60-61 T+; R26 T; R25-48/23 Xn; R21 C; R34 R42/43 N; R50-53 | O; T+; N R: 45-46-60-61-8-21-25-26-34-42/43-48/23-50/53 S: 53-45-60-61 | C $\geq 25\%$: T+, N; R45-46-60-61-21-25-26-34-42/43-48/23-50/53 10% \leq C < 25%: T+, N; R45-46-60-61-22-26-34-42/43-48/23-51/53 7% \leq C < 10%: T+, N; R45-46-60-61-22-26-36/37/38-42/43-48/20-51/53 5% \leq C < 7%: T, N; R45-46-60-61-22-23-36/37/38-42/43-48/20-51/53 3% \leq C < 5%: T, N; R45-46-60-61-22-23-42/43-48/20-51/53 2,5% \leq C < 3%: T, N; R45-46-60-61-23-42/43-48/20-51/53 1% \leq C < 2,5%: T; R45-46-60-61-23-42/43-48/20-52/53 0,5% \leq C < 1%: T; R45-46-60-61-20-42/43-52/53 0,25% \leq C < 0,5%: T; R45-46-20-42/43-52/53 0,2% \leq C < 0,25%: T; R45-46-20-42/43 0,1% \leq C < 0,2%: T; R45-46-20 | 3 |
| 027-002-00-4 | cobalt oxide | | 215-154-6 | 1307-96-6 | Xn; R22 R43 N; R50-53 | Xn; N R: 22-43-50/53 S: (2-)24-37-60-61 | C $\geq 25\%$: Xn, N; R22-43-50/53 2,5% \leq C < 25%: Xi, N; R43-50/53 1% \leq C < 2,5%: Xi, N; R43-51/53 0,25% \leq C < 1%: N; R51/53 0,025% \leq C < 0,25%: R52/53 | |
| 027-003-00-X | cobalt sulfide | | 215-273-3 | 1317-42-6 | R43 N; R50-53 | Xi; N R: 43-50/53 S: (2-)24-37-60-61 | C $\geq 2,5\%$: Xi, N; R43-50/53 1% \leq C < 2,5%: Xi, N; R43-51/53 0,25% \leq C < 1%: N; R51/53 0,025% \leq C < 0,25%: R52/53 | |
| 028-003-00-2 | nickel monoxide; [1] nickel oxide; [2] bunsenite [3] | E | 215-215-7 [1] 234-323-5 [2] - [3] | 1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3] | Carc. Cat. 1; R49 T; R48/23 R43 R53 | T R: 49-43-48/23-53 S: 53-45-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|---|---|--|--|----------------------|-------------------------------|
| 028-004-00-8 | nickel dioxide | E | 234-823-3 | 12035-36-8 | Carc. Cat. 1; R49 T; R48/23 R43 R53 | T R: 49-43-48/23-53 S: 53-45-61 | | |
| 028-005-00-3 | dinickel trioxide | E | 215-217-8 | 1314-06-3 | Carc. Cat. 1; R49 T; R48/23 R43 R53 | T R: 49-43-48/23-53 S: 53-45-61 | | |
| 028-006-00-9 | nickel (II) sulfide; [1] nickel sulfide; [2] millerite [3] | E | 240-841-2 [1] 234-349-7 [2] - [3] | 16812-54-7 [1] 11113-75-0 [2] 1314-04-1 [3] | Carc. Cat. 1; R49 Muta. Cat. 3; R68 T; R48/23 R43 N; R50-53 | T; N R: 49-43-48/23-68-50/ 53 S: 53-45-60-61 | | |
| 028-007-00-4 | trinickel disulfide; nickel subsulfide; [1] heazlewoodite [2] | E | 234-829-6 [1] - [2] | 12035-72-2 [1] 12035-71-1 [2] | Carc. Cat. 1; R49 Muta. Cat. 3; R68 T; R48/23 R43 N; R50-53 | T; N R: 49-43-48/23-68-50/ 53 S: 53-45-60-61 | | |
| 028-008-00-X | nickel dihydroxide; [1] nickel hydroxide [2] | E | 235-008-5 [1] 234-348-1 [2] | 12054-48-7 [1] 11113-74-9 [2] | Carc. Cat. 1; R49 Repr. Cat. 2; R61 Muta. Cat. 3; R68 T; R48/23 Xn; R20/22 Xi; R38 R42/43 N; R50-53 | T; N R: 49-61-20/22-38-42/ 43-48/23-68-50/53 S: 53-45-60-61 | | |
| 029-013-00-X | trisodium(2-(α-(3-(4-chloro-6-(2-(2-(vinylsulfonyl)ethoxy)ethylamino)-1,3,5-triazin-2-ylamino)-2-oxido-5-sulfonato-phenylazo)benzylidenehydrazino)-4-sulfonatobenzoato)copper(II) | | 407-580-8 | 130201-51-3 | Xi; R41 | Xi R: 41 S: (2-)26-39 | | |
| 033-005-00-1 | arsenic acid and its salts with the exception of those specified elsewhere in this Annex | AE | — | — | Carc. Cat. 1; R45 T; R23/25 N; R50-53 | T; N R: 45-23/25-50/53 S: 53-45-60-61 | | |
| 034-002-00-8 | selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex | A | — | — | T; R23/25 R33 N; R50-53 | T; N R: 23/25-33-50/53 S: (1/2-)20/21-28-45-60-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|------------|--|---|--|-------------------------------|
| 047-001-00-2 | silver nitrate | | 231-853-9 | 7761-88-8 | O; R8 C; R34 N; R50-53 | O; C; N R: 8-34-50/53 S: (1/2-)26-36/37/39-45-60-61 | | |
| 050-002-00-0 | cyhexatin (ISO); hydroxytricyclohexylstannane; tri(cyclohexyl)tin hydroxide | | 236-049-1 | 13121-70-5 | Xn; R20/21/22 N; R50-53 | Xn; N R: 20/21/22-50/53 S: (2-)13-60-61 | C ≥ 25 %: Xn, N; R20/21/22-50/53 0,025 % ≤ C < 25 %: N; R50/53 0,0025 % ≤ C < 0,025 %: N; R51/53 0,00025 % ≤ C < 0,0025 %: R52/53 | |
| 050-003-00-6 | fentin acetate (ISO); triphenyltin acetate | | 212-984-0 | 900-95-8 | Carc. Cat. 3; R40 Repr. Cat. 3; R63 T+; R26 T; R24/25-48/23 Xi; R37/38-41 N; R50-53 | T+; N R: 24/25-26-37/38-40-41-48/23-63-50/53 S: (1/2-)26-28-36/37/39-45-60-61 | C ≥ 25 %: T+, N; R24/25-26-37/38-40-41-48/23-63-50/53 20 % ≤ C < 25 %: T+, N; R21/22-26-37/38-40-41-48/23-63-50/53 10 % ≤ C < 20 %: T+, N; R21/22-26-40-41-48/23-63-50/53 7 % ≤ C < 10 %: T+, N; R21/22-26-36-40-48/20-63-50/53 5 % ≤ C < 7 %: T, N; R21/22-23-36-40-48/20-63-50/53 3 % ≤ C < 5 %: T, N; R21/22-23-40-48/20-50/53 2,5 % ≤ C < 3 %: T, N; R23-40-48/20-50/53 1 % ≤ C < 2,5 %: T, N; R23-40-48/20-51/53 0,25 % ≤ C < 1 %: Xn, N; R20-51/53 0,1 % ≤ C < 0,25 %: Xn; R20-52/53 0,025 % ≤ C < 0,1 %: R52/53 | |
| 050-004-00-1 | fentin hydroxide (ISO); triphenyltin hydroxide | | 200-990-6 | 76-87-9 | Carc. Cat. 3; R40 Repr. Cat. 3; R63 T+; R26 T; R24/25-48/23 Xi; R37/38-41 N; R50-53 | T+; N R: 24/25-26-37/38-40-41-48/23-63-50/53 S: (1/2-)26-28-36/37/39-45-60-61 | C ≥ 25 %: T+, N; R24/25-26-37/38-40-41-48/23-63-50/53 20 % ≤ C < 25 %: T+, N; R21/22-26-37/38-40-41-48/23-63-50/53 10 % ≤ C < 20 %: T+, N; R21/22-26-40-41-48/23-63-50/53 7 % ≤ C < 10 %: T+, N; R21/22-26-36-40-48/20-63-50/53 5 % ≤ C < 7 %: T, N; R21/22-23-36-40-48/20-63-50/53 3 % ≤ C < 5 %: T, N; R21/22-23-40-48/20-50/53 2,5 % ≤ C < 3 %: T, N; R23-40-48/20-50/53 1 % ≤ C < 2,5 %: T, N; R23-40-48/20-51/53 0,25 % ≤ C < 1 %: Xn, N; R20-51/53 0,1 % ≤ C < 0,25 %: Xn; R20-52/53 0,025 % ≤ C < 0,1 %: R52/53 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|------------|--|---|---|-------------------------------|
| 050-008-00-3 | tributyltin compounds, with the exception of those specified elsewhere in this Annex | A | — | — | T; R25-48/23/25 Xn; R21 Xi; R36/38 N; R50-53 | T; N R: 21-25-36/38-48/23/ 25-50/53 S: (1/2-)36/37/39-45-60- 61 | C ≥ 2,5 %: T, N; R21-25-36/38-48/23/ 25-50/53 1 % ≤ C < 2,5 %: T, N; R21-25-36/38- 48/23/25-51/53 0,25 % ≤ C < 1 %: Xn, N; R22-48/20/ 22-51/53 0,025 % C < 0,25 %: R52/53 | 1 |
| 050-011-00-X | triphenyltin compounds, with the exception of those specified elsewhere in this Annex | A | — | — | T; R23/24/25 N; R50-53 | T; N R: 23/24/25-50/53 S: (1/2-)26-27-28-45-60- 61 | C ≥ 1 %: T, N; R23/24/25-50/53 0,25 % ≤ C < 1 %: Xn, N; R20/21/22- 50/53 0,025 % ≤ C < 0,25 %: N; R51/53 0,0025 % ≤ C < 0,025 %: R52/53 | 1 |
| 050-018-00-8 | tin(II) methanesulphonate | | 401-640-7 | 53408-94-9 | C; R34 Xn; R22 R43 N; R51-53 | C; N R: 22-34-43-51/53 S: (1/2-)22-26-36/37/39- 45-61 | | |
| 053-003-00-4 | iodoxybenzene | | — | 696-33-3 | E; R2 | E R: 2 S: (2-)35 | | |
| 053-004-00-X | calcium iodoxybenzoate | C | — | — | E; R2 | E R: 2 S: (2-)35 | | |
| 080-001-00-0 | mercury | E | 231-106-7 | 7439-97-6 | Repr. Cat. 2; R61 T+; R26 T; R48/23 N; R50-53 | T+; N R: 61-26-48/23-50/53 S: 53-45-60-61 | | |
| 080-010-00-X | mercury dichloride; mercuric chloride | | 231-299-8 | 7487-94-7 | Muta. Cat. 3; R68 Repr. Cat. 3; R62 T+; R28 T; R48/24/25 C; R34 N; R50-53 | T+; N R: 28-34-48/24/25-62- 68-50/53 S: (1/2-)26-36/37/39-45- 60-61 | | |
| 092-002-00-3 | uranium compounds with the exception of those specified elsewhere in this Annex | A | — | — | T+; R26/28 R33 N; R51-53 | T+; N R: 26/28-33-51/53 S: (1/2-)20/21-45-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|--------------------------------|--------------------------------|--|--|--|-------------------------------|
| 601-065-00-3 | A mixture of: (1' α ,3' α ,6' α)-2,2,3',7',7'-penta-methylspiro(1,3-dioxane-5,2'-norcarane); (1' α ,3' β ,6' α)-2,2,3',7',7'-penta-methylspiro(1,3-dioxane-5,2'-norcarane) | | 416-930-9 | — | Xi; R38 N; R51-53 | Xi; N R: 38-51/53 S: (2-)36/37-61 | | |
| 602-007-00-X | bromoform; tribromomethane | | 200-854-6 | 75-25-2 | T; R23 Xn; R22 Xi; R36/38 N; R51-53 | T; N R: 22-23-36/38-51/53 S: (1/2-)28-45-63-61 | | |
| 602-030-00-5 | 1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2] | C D | 208-826-5 [1] 233-195-8 [2] | 542-75-6 [1] 10061-01-5 [2] | R10 T; R24/25 Xn; R20-65 Xi; R36/37/38 R43 N; R50-53 | T; N R: 10-20-24/25-36/37/ 38-43-65-50/53 S: (1/2-)36/37-45-60-61 | | |
| 602-054-00-6 | 3-iodopropene; allyl iodide | | 209-130-4 | 556-56-9 | F; R11 C; R34 | F; C R: 11-34 S: (1/2-)7-16-26-45 | | |
| 603-005-00-1 | 2-methylpropan-2-ol; <i>tert</i> -butyl alcohol | | 200-889-7 | 75-65-0 | F; R11 Xn; R20 Xi; R36/37 | F; Xn R: 11-20-36/37 S: (2-)9-16-46 | | |
| 603-018-00-2 | furfuryl alcohol | | 202-626-1 | 98-00-0 | Carc. Cat. 3; R40 T; R23 Xn; R21/22-48/20 Xi; R36/37 | T R: 21/22-23-36/37-40- 48/20 S: (1/2-)36/37-45-63 | | |
| 603-023-00-X | ethylene oxide; oxirane | E | 200-849-9 | 75-21-8 | F+; R12 R6 Carc. Cat. 2; R45 Muta. Cat. 2; R46 T; R23 Xi; R36/37/38 | F+; T R: 45-46-6-12-23-36/37/ 38 S: 53-45 | | |
| 603-029-00-2 | bis(2-chloroethyl) ether | | 203-870-1 | 111-44-4 | Carc. Cat. 3; R40 T+; R26/27/28 | T+ R: 26/27/28-40 S: (1/2-)7/9-27-28-36/ 37-45 | C \geq 7 %: T+; R26/27/28-40 1 % \leq C < 7 %: T; R23/24/25-40 0,1 % \leq C < 1 %: Xn; R20/21/22 | |
| 603-037-00-6 | cellulose nitrate; nitrocellulose | T | — | — | E; R3 | E R: 3 S: (2-)35 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|----------|---|---|---|-------------------------------|
| 603-046-00-5 | bis(chloromethyl) ether; oxybis(chloromethane) | E | 208-832-8 | 542-88-1 | F; R11 Carc. Cat. 1; R45 T+; R26 T; R24 Xn; R22 | F; T+ R: 45-11-22-24-26 S: 53-45 | C ≥ 25 %: T+; R45-22-24-26 7 % ≤ C < 25 %: T+; R45-21-26 3 % ≤ C < 7 %: T; R45-21-23 1 % ≤ C < 3 %: T; R45-23 0,1 % ≤ C < 1 %: T; R45-20 0,001 % ≤ C < 0,1 %: T; R45 | |
| 603-064-00-3 | 1-methoxy-2-propanol; monopropylene glycol methyl ether | | 203-539-1 | 107-98-2 | R10 R67 | R: 10-67 S: (2-) | | |
| 603-066-00-4 | 1,2-epoxy-4-epoxyethylcyclo- hexane; 4-vinylcyclohexene diepoxide | | 203-437-7 | 106-87-6 | Carc. Cat. 3; R40 T; R23/24/25 | T R: 23/24/25-40 S: (1/2-)36/37-45-63 | C ≥ 1 %: T; R23/24/25-40 0,1 % ≤ C < 1 %: Xn; R20/21/22 | |
| 605-004-00-1 | 2,4,6-trimethyl-1,3,5-trioxane; paraldehyde | | 204-639-8 | 123-63-7 | R10 | R: 10 S: (2-)29 | | |
| 605-005-00-7 | 2,4,6,8-tetramethyl-1,3,5,7- tetraoxacyclooctane; metaldehyde | | 203-600-2 | 108-62-3 | F; R11 Xn; R22 | F; Xn R: 11-22 S: (2-)13-16-25-46 | | |
| 606-021-00-7 | N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone | | 212-828-1 | 872-50-4 | Repr. Cat. 2; R61 Xi; R36/37/38 | T R: 61-36/37/38 S: 53-45 | C ≥ 10 %: T; R61-36/37/38 5 % ≤ C < 10 %: T; R61 | |
| 607-007-00-3 | salts of oxalic acid with the exception of those specified elsewhere in this Annex | A | — | — | Xn; R21/22 | Xn R: 21/22 S: (2-)24/25 | C ≥ 5 %: Xn; R21/22 | |
| 607-012-00-0 | benzoyl chloride | | 202-710-8 | 98-88-4 | Xn; R20/21/22 C; R34 R43 | C R: 20/21/22-34-43 S: (1/2-)26-36/37/39-45 | | |
| 607-037-00-7 | 2-ethoxyethyl acetate; ethylglycol acetate | E | 203-839-2 | 111-15-9 | R10 Repr. Cat. 2; R60-61 Xn; R20/21/22 | T R: 60-61-10-20/21/22 S: 53-45 | | |
| 607-051-00-3 | MCPA (ISO); 4-chloro- <i>o</i> -tolylxyacetic acid | | 202-360-6 | 94-74-6 | Xn; R22 Xi; R38-41 N; R50-53 | Xn; N R: 22-38-41-50/53 S: (2-)26-37-39-60-61 | | |
| 607-052-00-9 | salts and esters of MCPA | A | — | — | Xn; R20/21/22 N; R50-53 | Xn; N R: 20/21/22-50/53 S: (2-)13-60-61 | | |
| 607-085-00-9 | benzyl benzoate | | 204-402-9 | 120-51-4 | Xn; R22 N; R51-53 | Xn; N R: 22-51/53 S: (2-)25-46-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-----------|---|---|---|-------------------------------|
| 607-095-00-3 | maleic acid | | 203-742-5 | 110-16-7 | Xn; R22 Xi; R36/37/38 R43 | Xn R: 22-36/37/38-43 S: (2-)24-26-28-37-46 | C ≥ 25 %: Xn; R22-36/37/38-43 20 % ≤ C < 25 %: Xi; R36/37/38-43 0,1 % ≤ C < 20 %: Xi; R43 | |
| 607-103-00-5 | succinic anhydride | | 203-570-0 | 108-30-5 | Xn; R22 Xi; R36/37 | Xn R: 22-36/37 S: (2-)25-46 | C ≥ 5 %: Xn; R22-36/37 1 % ≤ C < 5 %: Xi; R36/37 | |
| 607-142-00-8 | propyl chloroformate; chloroformic acid propylester; <i>n</i> -propyl chloroformate | | 203-687-7 | 109-61-5 | F; R11 T; R23 C; R34 | F; T R: 11-23-34 S: (1/2-)16-26-36-45 | | |
| 607-195-00-7 | 2-methoxy-1-methylethyl acetate | | 203-603-9 | 108-65-6 | R10 | R: 10 S: (2-) | | |
| 607-216-00-X | glutamic acid, reaction products with N-(C ₁₂₋₁₄ -alkyl)propylene-diamine | | 403-950-8 | — | T+; R26 Xn; R22 C; R34 N; R50 | T+; N R: 22-26-34-50 S: (1/2-)26-36/37/39-38-45-61 | | |
| 607-231-00-1 | clopyralid (ISO); 3,6-dichloropyridine-2-carboxylic acid | | 216-935-4 | 1702-17-6 | Xi; R41 | Xi R: 41 S: (2-)26-39 | | |
| 607-245-00-8 | <i>tert</i> -butyl acrylate | D | 216-768-7 | 1663-39-4 | F; R11 Xn; R20/21/22 Xi; R37/38 R43 N; R51-53 | F; Xn; N R: 11-20/21/22-37/38-43-51/53 S: (2-)16-25-37-61 | C ≥ 25 %: Xn; R20/21/22-37/38-43-51/53 20 % ≤ C < 25 %: Xi; R37/38-43-52/53 2,5 % ≤ C < 20 %: Xi; R43-52/53 1 % ≤ C < 2,5 %: Xi; R43 | |
| 607-397-00-5 | A mixture of: Ca salicylates (branched C ₁₀₋₁₄ and C ₁₈₋₃₀ alkylated); Ca phenates (branched C ₁₀₋₁₄ and C ₁₈₋₃₀ alkylated); Ca sulfurised phenates (branched C ₁₀₋₁₄ and C ₁₈₋₃₀ alkylated) | | 415-930-6 | — | Repr. Cat. 3; R62 R43 | Xn R: 43-62 S: (2-)23-36/37 | | |
| 608-005-00-5 | <i>n</i> -butyronitrile | | 203-700-6 | 109-74-0 | F; R11 T; R23/24/25 | F; T R: 11-23/24/25 S: (1/2-)16-36/37-45-63 | | |
| 608-011-00-8 | oxalonitrile; cyanogen | | 207-306-5 | 460-19-5 | F+; R12 T; R23 N; R50-53 | F+; T; N R: 12-23-50/53 S: (1/2-)9-16-23-33-45-63-60-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|--------------------------------|--------------------------------|--|--|---|-------------------------------|
| 608-044-00-8 | 2-cyclohexylidene-2-phenylacetonitrile | | 423-740-1 | 10461-98-0 | Xn; R22 N; R51-53 | Xn; N R: 22-51/53 S: (2-)46-61 | | |
| 609-007-00-9 | 2,4-dinitrotoluene; [1] dinitrotoluene [2] | E | 204-450-0 [1] 246-836-1 [2] | 121-14-2 [1] 25321-14-6 [2] | Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 T; R23/24/25 Xn; R48/22 N; R50-53 | T; N R: 45-23/24/25-48/22-62-68-50/53 S: 53-45-60-61 | | |
| 611-028-00-3 | C,C'-azodi(formamide) | | 204-650-8 | 123-77-3 | E; R2 R42 | E; Xn R: 2-42 S: (2-)22-24-37 | | |
| 611-035-00-1 | tetralithium 6-amino-4-hydroxy-3-[7-sulfonato-4-(5-sulfonato-2-naphthylazo)-1-naphthylazo]naphthalene-2,7-disulfonate | | 403-660-1 | 107246-80-0 | N; R51-53 | N R: 51/53 S: 61 | | |
| 612-044-00-3 | N,N'-diacetylbenzidine | E | 210-338-2 | 613-35-4 | Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xn; R20/21/22 | T R: 45-20/21/22-68 S: 53-45 | | |
| 612-050-00-6 | cyclohexylamine | | 203-629-0 | 108-91-8 | R10 Repr. Cat. 3; R62 Xn; R21/22 C; R34 | C R: 10-21/22-34-62 S: (1/2-)26-36/37/39-45 | C ≥ 25 %: C; R21/22-34-62 10 % ≤ C < 25 %: C; R34-62 5 % ≤ C < 10 %: Xn; R36/38-62 2 % ≤ C < 5 %: Xi; R36/38 | |
| 612-076-00-8 | ethyltrimethylamine | | 209-940-8 | 598-56-1 | F; R11 Xn; R20/22 C; R34 | F; C R: 11-20/22-34 S: (1/2-)3-16-26-36-45 | | |
| 612-099-00-3 | 4-methyl-m-phenylenediamine; 2,4-toluenediamine | E | 202-453-1 | 95-80-7 | Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 T; R25 Xn; R21-48/22 R43 N; R51-53 | T; N R: 45-21-25-43-48/22-62-68-51/53 S: 53-45-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|--|--|---|--|--|-------------------------------|
| 612-101-00-2 | methenamine; hexamethylenetetramine | | 202-905-8 | 100-97-0 | F; R11 R43 | F; Xi R: 11-43 S: (2-)24-37 | | |
| 612-151-00-5 | methyl-phenylene diamine; diaminotoluene; [technical product - mixture of 4-methyl- <i>m</i> -phenylene diamine (EC No 202-453-1) and 2- methyl- <i>m</i> -phenylene diamine (EC No 212-513-9)] | E | — | — | Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 T; R25 Xn; R21-48/22 Xi; R36 R43 N; R51-53 | T; N R: 45-21-25-36-43-48/ 22-62-68-51/53 S: 53-45-61 | | |
| 612-237-00-2 | hydroxylammonium hydrogen- sulfate; hydroxylamine sulfate(1:1); [1] hydroxylamine phosphate; [2] hydroxylamine dihydrogen- phosphate; [3] hydroxylamine 4-methylbenze- nesulfonate [4] | T | 233-154-4 [1] 244-077-0 [2] 242-818-2 [3] 258-872-5 [4] | 10046-00-1 [1] 20845-01-6 [2] 19098-16-9 [3] 53933-48-5 [4] | E; R2 Carc. Cat. 3; R40 Xn; R21/22-48/22 Xi; R36/38 R43 N; R50 | E; Xn; N R: 21/22-36/38-40-43- 48/22-50 S: (2-)36/37-61 | | |
| 613-116-00-7 | tolylfluamid (ISO); dichloro- <i>N</i> -[(dimethylamino)sul- phonyl]fluoro- <i>N</i> -(<i>p</i> -tolyl) methanesulphenamide; [containing ≥ 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm] | | 211-986-9 | 731-27-1 | T+; R26 T; R48/23 Xi; R36/37/38 R43 N; R50 | T+; N R: 26-36/37/38-43-48/ 23-50 S: (1/2-)28-36/37/39-45- 63-61 | C ≥ 20 %: T+, N; R26-36/37/38-43-48/ 23-50 10 % ≤ C < 20 %: T+, N; R26-43-48/ 23-50 7 % ≤ C < 10 %: T+, N; R26-43-48/20- 50 2,5 % ≤ C < 7 %: T, N; R23-43-48/20- 50 1 % ≤ C < 2,5 %: T; R23-43-48/20 0,1 % ≤ C < 1 %: Xn; R20 | |
| 615-001-00-7 | methyl isocyanate | | 210-866-3 | 624-83-9 | F; R11 Repr. Cat. 3; R63 T+; R26 T; R24/25 R42/43 Xi; R37/38-41 | F; T+ R: 11-24/25-26-37/38- 41-42/43-63 S: (1/2-)16-26-27/28-36/ 37/39-45-63 | | |
| 615-004-00-3 | salts of thiocyanic acid, with the exception of those specified elsewhere in this Annex | A | — | — | Xn; R20/21/22 R32 R52-53 | Xn R: 20/21/22-32-52/53 S: (2-)13-36/37-46-61 | | |
| 615-028-00-4 | ethyl 2-(isocyanatosulfonyl) benzoate | | 410-220-2 | 77375-79-2 | R14 Xn; R22-48/22 Xi; R41 R42/43 | Xn R: 14-22-41-42/43-48/ 22 S: (2-)8-23-26-30-35-36/ 37/39 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|------------|--|--|----------------------|-------------------------------|
| 615-030-00-5 | alkali salts and alkali earth salts of thiocyanic acid, with the exception of those specified elsewhere in this Annex | A | — | — | Xn; R20/21/22 R32 R52-53 | Xn R: 20/21/22-32-52/53 S: (2-)13-36/37-46-61 | | |
| 615-031-00-0 | thallium thiocyanate | | 222-571-7 | 3535-84-0 | T+; R26/28 Xn; R21 R32 R33 N; R51-53 | T+; N R: 21-26/28-32-33-51/ 53 S: (1/2-)13-28-36/37-45- 61 | | |
| 615-032-00-6 | metal salts of thiocyanic acid, with the exception of those specified elsewhere in this Annex | A | — | — | Xn; R20/21/22 R32 N; R50-53 | Xn; N R: 20/21/22-32-50/53 S: (2-)13-36/37-46-60-61 | | |
| 616-124-00-9 | lithium bis(trifluoromethylsulfonyl)imide | | 415-300-0 | 90076-65-6 | T; R24/25 Xn; R48/22 C; R34 R52-53 | T R: 24/25-34-48/22-52/ 53 S: (1/2-)22-26-36/37/39- 45-61 | | |
| 617-017-00-X | A mixture of: 2,2'-bis(<i>tert</i> -pentylperoxy)- <i>p</i> -diisopropylbenzene; 2,2'-bis(<i>tert</i> -pentylperoxy)- <i>m</i> -diisopropylbenzene | T | 412-140-3 | 32144-25-5 | E; R2 O; R7 R53 | E R: 2-7-53 S: (2-)3/7-14-36/37/39- 61 | | |
| 650-016-00-2 | Mineral wool, with the exception of those specified elsewhere in this Annex; [Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content greater than 18 % by weight] | AQR | — | — | Carc. Cat. 3; R40 | Xn R: 40 S: (2-)36/37 | | |
| 650-017-00-8 | Refractory Ceramic Fibres, Special Purpose Fibres, with the exception of those specified elsewhere in this Annex; [Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18 % by weight] | AR | — | — | Carc. Cat. 2; R49 | T R: 49 S: 53-45 | | |

ANNEX 1B

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|---|---|--|---|---|-------------------------------|
| 003-003-00-5 | (2-methylpropyl)lithium; isobutyllithium | | 440-620-2 | 920-36-5 | F; R15-17 R14 C; R35 R67 N; R50-53 | F; C; N R: 14/15-17-35-67-50/53 S: (1/2-)6-16-26-30-33-36/37/39-43-45-60-61 | | |
| 005-013-00-5 | diethylmethoxyborane | | 425-380-9 | 7397-46-8 | F; R17 Xn; R20/21/22-48/22 C; R34 R43 R53 | F; C R: 17-20/21/22-34-43-48/22-53 S: (1/2-)6-26-36/37/39-43-45-61 | | |
| 005-014-00-0 | 4-formylphenylboronic acid | | 438-670-5 | 87199-17-5 | R43 | Xi R: 43 S: (2-)24-37 | | |
| 005-017-00-7 | sodium perborate; [1] perboric acid, sodium salt; [2] perboric acid, sodium salt, monohydrate; [3] sodium peroxometaborate; [4] perboric acid (HBO(O ₂)), sodium salt, monohydrate; [5] sodium peroxoborate; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm] | E | 239-172-9 [1] 234-390-0 [2] - [3] 231-556-4 [4] - [5] | 15120-21-5 [1] 11138-47-9 [2] 12040-72-1 [3] 7632-04-4 [4] 10332-33-9 [5] | O; R8 Repr. Cat. 2; R61 Repr. Cat. 3; R62 Xn; R22 Xi; R37-41 | O; T R: 61-8-22-37-41-62 S: 53-45 | C ≥ 25 %: T; R61-22-37-41-62 22 % ≤ C < 25 %: T; R61-37-41-62 20 % ≤ C < 22 %: T; R61-36/37-62 14 % ≤ C < 20 %: T; R61-36-62 9 % ≤ C < 14 %: T; R61-62 6,5 % ≤ C < 9 %: T; R61 | |
| 005-017-01-4 | sodium perborate; [1] perboric acid, sodium salt; [2] perboric acid, sodium salt, monohydrate; [3] sodium peroxometaborate; [4] perboric acid (HBO(O ₂)), sodium salt, monohydrate; [5] sodium peroxoborate; [containing ≥ 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm] | E | 239-172-9 [1] 234-390-0 [2] - [3] 231-556-4 [4] - [5] | 15120-21-5 [1] 11138-47-9 [2] 12040-72-1 [3] 7632-04-4 [4] 10332-33-9 [5] | O; R8 Repr. Cat. 2; R61 Repr. Cat. 3; R62 T; R23 Xn; R22 Xi; R37-41 | O; T R: 61-8-22-23-37-41-62 S: 53-45 | C ≥ 25 %: T; R61-22-23-37-41-62 22 % ≤ C < 25 %: T; R61-20-37-41-62 20 % ≤ C < 22 %: T; R61-20-36/37-62 14 % ≤ C < 20 %: T; R61-20-36-62 9 % ≤ C < 14 %: T; R61-20-62 6,5 % ≤ C < 9 %: T; R61-20 3 % ≤ C < 6,5 %: Xn; R20 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-------------------------|--|---|--|---|-------------------------------|
| 005-018-00-2 | perboric acid (H3BO2(O2)), monosodium salt trihydrate; [1] perboric acid, sodium salt, tetrahydrate; [2] perboric acid (HBO(O2)), sodium salt, tetrahydrate; [3] sodium peroxoborate hexahydrate; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm] | | - [1] - [2] - [3] | 13517-20-9 [1] 37244-98-7 [2] 10486-00-7 [3] | Repr. Cat. 2; R61 Repr. Cat. 3; R62 Xi; R37-41 | T R: 61-37-41-62 S: 53-45-47 | C ≥ 36 %: T; R61-37-41-62 22 % ≤ C < 36 %: T; R61-36/37-62 20 % ≤ C < 22 %: T; R61-37-62 14 % ≤ C < 20 %: T; R61-62 10 % ≤ C < 14 %: T; R61 | |
| 005-018-01-X | perboric acid (H3BO2(O2)), monosodium salt, trihydrate; [1] perboric acid, sodium salt, tetrahydrate; [2] perboric acid (HBO(O2)), sodium salt, tetrahydrate; [3] sodium peroxoborate hexahydrate; [containing ≥ 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm] | E | - [1] - [2] - [3] | 13517-20-9 [1] 37244-98-7 [2] 10486-00-7 [3] | Repr. Cat. 2; R61 Repr. Cat. 3; R62 Xn; R20 Xi; R37-41 | T R: 61-20-37-41-62 S: 53-45-47 | C ≥ 36 %: T; R61-20-37-41-62 25 % ≤ C < 36 %: T; R61-20-36/37-62 22 % ≤ C < 25 %: T; R61-36/37-62 20 % ≤ C < 22 %: T; R61-37-62 14 % ≤ C < 20 %: T; R61-62 10 % ≤ C < 14 %: T; R61 | |
| 006-097-00-6 | 1-phenyl-3-(p-toluenesulfonyl)urea | | 424-620-1 | 13909-63-2 | Xn; R22-48/22 R52-53 | Xn R: 22-48/22-52/53 S: (2-)22-36-61 | | |
| 006-098-00-1 | tert-butyl (1R,5S)-3-azabicyclo[3.1.0]hex-6-ylcarbamate | | 429-170-8 | 134575-17-0 | Xn; R22-48/22 Xi; R41 R43 | Xn R: 22-41-43-48/22 S: (2-)22-26-36/37/39 | | |
| 006-099-00-7 | N-(p-toluenesulfonyl)-N'-(3-(p-toluenesulfonyloxy)phenyl)urea; 3-(((4-methylphenyl)sulfonyl)carbamoyl)amino)phenyl 4-methylbenzenesulfonate | | 432-520-2 | 232938-43-1 | N; R51-53 | N R: 51/53 S: 22-61 | | |
| 006-101-00-6 | mixture of: N,N''-(methylenedi-4,1-phenylene)bis[N'-phenylurea]; N-(4-[[4-[[[(phenylamino)carbonyl]amino]phenylmethyl]phenyl]-N'-cyclohexylurea]; N,N''-(methylenedi-4,1-phenylene)bis[N'-cyclohexylurea] | | 423-070-8 | — | R53 | R: 53 S: 61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|---|---|---|-------------------------------|
| 006-102-00-1 | O-hexyl-N-ethoxycarbonylthiocarbamate | E | 432-750-3 | — | Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R22-48/22 R43 N; R51-53 | T; N R: 45-46-22-43-48/22-51/53 S: 53-45-61 | | |
| 006-103-00-7 | N,N''-(methylenedi-4,1-phenylene)bis[N'-octyl]urea | | 445-760-8 | — | Xi; R41 R42 N; R50-53 | Xn; N R: 41-42-50/53 S: (2-)22-26-39-45-60-61 | C ≥ 10 %: Xn, N; R41-42-50/53 5 % ≤ C < 10 %: Xn, N; R36-42-50/53 1 % ≤ C < 5 %: Xn, N; R42-50/53 0,25 % ≤ C < 1 %: N; R50/53 0,025 % ≤ C < 0,25 %: N; R51/53 0,0025 % ≤ C < 0,025 %: R52/53 | |
| 007-029-00-8 | diethyldimethylammonium hydroxide | | 419-400-5 | 95500-19-9 | Xn; R21/22 C; R35 | C R: 21/22-35 S: (1/2-)26-36/37/39-45 | | |
| 012-004-00-X | aluminium-magnesium-carbonate-hydroxide-perchlorate-hydrate | | 422-150-1 | — | N; R50-53 | N R: 50/53 S: 60-61 | | |
| 014-036-00-X | (4-ethoxyphenyl)(3-(4-fluoro-3-phenoxyphenyl)propyl)dimethylsilane | | 405-020-7 | 105024-66-6 | Repr.Cat.2; R60 N; R50-53 | T; N R: 60-50/53 S: 53-45-60-61 | C ≥ 0,5 %: T, N; R60-50/53 0,025 % ≤ C < 0,5 %: N; R50/53 0,0025 % ≤ C < 0,025 %: N; R51/53 0,00025 % ≤ C < 0,0025 %: R52/53 | |
| 014-037-00-5 | 2-butanone-O,O',O''-(phenylsilylidine)trioxime | | 433-360-6 | 34036-80-1 | Xn; R48/22 R43 R52-53 | Xn R: 43-48/22-52/53 S: (2-)36/37-61 | | |
| 014-038-00-0 | S-(3-(triethoxysilyl)propyl)octanethioate | | 436-690-9 | 220727-26-4 | R43 | Xi R: 43 S: (2-)24-37 | | |
| 014-039-00-6 | (2,3-dimethylbut-2-yl)-trimethoxysilane | | 439-360-2 | 142877-45-0 | Xi; R38-41 R52-53 | Xi R: 38-41-52/53 S: (2-)26-37/39-61 | | |
| 014-041-00-7 | N,N-bis(trimethylsilyl)aminopropylmethyldiethoxysilane | | 445-890-5 | 201290-01-9 | Xn; R22 R43 | Xn R: 22-43 S: (2-)24-37 | | |
| 014-042-00-2 | mixture of: O,O',O'',O'''-sila-netetrayl tetrakis(4-methyl-2-pentanone oxime) (3 stereoisomers) | | 423-010-0 | — | Xi; R41 | Xi R: 41 S: (2-)26-39 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|-----------------------------------|---|----------------------|-------------------------------|
| 014-043-00-8 | reaction product of amorphous silica (50-85 %), butyl (1-methylpropyl) magnesium (3-15 %), tetraethyl orthosilicate (5-15 %) and titanium tetrachloride (5-20 %) | | 432-200-2 | — | F; R11 Xi; R37/38-41 R52-53 | F; Xi R: 11-37/38-41-52/53 S: (2-)6-26-36/39-61 | | |
| 014-044-00-3 | 3-[(4'-acetoxy-3'-methoxyphenyl) propyl]trimethoxysilane | | 433-050-0 | — | N; R51-53 | N R: 51/53 S: 61 | | |
| 014-045-00-9 | magnesium sodium fluoride silicate | | 442-650-1 | — | Xn; R48/20 | Xn R: 48/20 S: (2-)22-36 | | |
| 015-190-00-0 | bis(2,4-dicumylphenyl) neopentyl diphosphite; 3,9-bis[2,4-bis(1-methyl-1-phenylethyl)phenoxy]-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane | | 421-920-2 | 154862-43-8 | R53 | R: 53 S: 61 | | |
| 015-191-00-6 | dodecyldiphenyl phosphate | | 431-760-5 | 27460-02-2 | Xi; R38 R52-53 | Xi R: 38-52/53 S: (2-)37-61 | | |
| 015-192-00-1 | tetrakis(2,6-dimethylphenyl)- <i>m</i> -phenylene biphosphate | | 432-770-2 | 139189-30-3 | R43 R53 | Xi R: 43-53 S: (2-)24-37-61 | | |
| 015-193-00-7 | triphenyl(phenylmethyl)phosphonium 1,1,2,2,3,3,4,4,4-nonafluoro- <i>N</i> -methyl-1-butane-sulfonamide (1:1) | | 442-960-7 | 332350-93-3 | T; R25 Xi; R41 N; R50-53 | T; N R: 25-41-50/53 S: (1/2-)26-39-45-60-61 | | |
| 015-194-00-2 | tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate | | 444-440-5 | 220689-12-3 | Xn; R22 R52-53 | Xn R: 22-52/53 S: (2-)61 | | |
| 015-195-00-8 | mixture of: potassium <i>o</i> -toluenephosphonate; potassium <i>m</i> -toluenephosphonate; potassium <i>p</i> -toluenephosphonate | | 433-860-4 | — | Xi; R36 R43 R52-53 | Xi R: 36-43-52/53 S: (2-)24-26-37-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|---|--|----------------------|-------------------------------|
| 015-196-00-3 | mixture of: dimethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate; diethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate; methyl ethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate | | 435-960-3 | — | Carc.Cat.2; R45 Muta.Cat.2; R46 R43 | T R: 45-46-43 S: 53-45 | | |
| 015-197-00-9 | bis(2,4,4-trimethylpentyl)dithiophosphonic acid | | 420-160-9 | 107667-02-7 | R10 T; R23 Xn; R22 C; R34 N; R51-53 | T; N R: 10-22-23-34-51/53 S: (1/2-)9-26-36/37/39-45-61 | | |
| 015-198-00-4 | (4-phenylbutyl)phosphinic acid | | 420-450-5 | 86552-32-1 | Carc.Cat.3; R40 Xi; R41 | Xn R: 40-41 S: (2-)23-26-36/37/39 | | |
| 016-094-00-1 | sulfur | | 231-722-6 | 7704-34-9 | Xi; R38 | Xi R: 38 S: (2-)46 | | |
| 016-097-00-8 | 1-amino-2-methyl-2-propanethiol hydrochloride | | 434-480-1 | 32047-53-3 | Xn; R22 C; R34 R43 R52-53 | C R: 22-34-43-52/53 S: (1/2-)22-26-36/37/39-45-61 | | |
| 017-009-01-8 | ammonium perchlorate; [containing < 80 % of 0-30 µm particles] | T | 232-235-1 | 7790-98-9 | E; R2 O; R9 | E R: 2-9 S: (2-)14-16-36/37 | | |
| 022-004-00-1 | potassium titanium oxide (K ₂ Ti ₆ O ₁₃) | | 432-240-0 | 12056-51-8 | Carc.Cat.3; R40 | Xn R: 40 S: (2-)22-36/37 | | |
| 022-005-00-7 | [N-(1,1-dimethylethyl)-1,1-dimethyl-1-[(1,2,3,4,5-η)-2,3,4,5-tetramethyl-2,4-cyclopentadien-1-yl]silanaminato(2-)-κN][(1,2,3,4-η)-1,3-pentadiene]-titanium | | 419-840-8 | 169104-71-6 | F; R11 C; R34 R43 R53 | F; C R: 11-34-43-53 S: (1/2-)6-9-16-26-36/37/39-45-61 | | |
| 028-002-01-4 | nickel powder; [particle diameter < 1 mm] | | 231-111-4 | 7440-02-0 | Carc. Cat. 3; R40 T; R48/23 R43 R52-53 | T R: 40-43-48/23-52/53 S: (2-)36/37/39-45-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|------------|--|--|---|-------------------------------|
| 028-013-00-7 | nickel matte | E, H | 273-749-6 | 69012-50-6 | Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53 | T; N R: 49-43-48/23-50/53 S: 53-45-60-61 | | |
| 028-014-00-2 | slimes and sludges, copper electrolytic refining, decopperised, nickel sulfate | E | 295-859-3 | 92129-57-2 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 Xn; R20/22 Xi; R38 R42/43 N; R50-53 | T; N R: 49-61-20/22-38-42/ 43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-20/22-38-42/ 43-48/23-68-50/53 20 % ≤ C < 25 %: T, N; R49-61-38-42/ 43-48/23-68-51/53 2,5 % ≤ C < 20 %: T, N; R49-61-42/ 43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/ 23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20- 52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20- 52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-015-00-8 | slimes and sludges, copper electrolyte refining, decopperised | E, H | 305-433-1 | 94551-87-8 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 1; R61 Repr. Cat. 3; R62 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23- 62-68-50/53 S: 53-45-60-61 | | |
| 028-016-00-3 | nickel diperchlorate; perchloric acid, nickel(III) salt | E, H | 237-124-1 | 13637-71-3 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 C; R34 R42/43 N; R50-53 | T; N R: 49-61-34-42/43-48/ 23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-34-42/43-48/ 23-68-50/53 5 % ≤ C < 25 %: T, N; R49-61-34-42/ 43-48/23-68-51/53 2,5 % ≤ C < 5 %: T, N; R49-61-36/38- 42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-36/38-42/ 43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20- 52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20- 52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20 0,01 % ≤ C < 0,1 %: Xi; R43 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|---|---|---|---|---|-------------------------------|
| 028-017-00-9 | nickel dipotassium bis(sulfate); [1] diammonium nickel bis(sulfate) [2] | E, H | 237-563-9 [1] 239-793-2 [2] | 13842-46-1 [1] 15699-18-0 [2] | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 Xn; R20/22 R42/43 N; R50-53 | T; N R: 49-61-20/22-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-20/22-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-018-00-4 | nickel bis(sulfamidate); nickel sulfamate | E, H | 237-396-1 | 13770-89-3 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-019-00-X | nickel bis(tetrafluoroborate) | E, H | 238-753-4 | 14708-14-6 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; 49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-021-00-0 | nickel diformate; [1] formic acid, nickel salt; [2] formic acid, copper nickel salt [3] | E, H | 222-101-0 [1] 239-946-6 [2] 268-755-0 [3] | 3349-06-2 [1] 15843-02-4 [2] 68134-59-8 [3] | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|--------------------------------|--------------------------------|---|---|---|-------------------------------|
| 028-022-00-6 | nickel di(acetate); [1] nickel acetate [2] | E, H | 206-761-7 [1] 239-086-1 [2] | 373-02-4 [1] 14998-37-9 [2] | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 Xn; R20/22 R42/43 N; R50-53 | T; N R: 49-61-20/22-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-20/22-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-024-00-7 | nickel dibenzoate | E, H | 209-046-8 | 553-71-9 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-025-00-2 | nickel bis(4-cyclohexylbutyrate) | E, H | 223-463-2 | 3906-55-6 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-026-00-8 | nickel(II) stearate; nickel(II) octadecanoate | E, H | 218-744-1 | 2223-95-2 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|--|--|---|---|--|-------------------------------|
| 028-027-00-3 | nickel dilactate | E, H | — | 16039-61-5 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-028-00-9 | nickel(II) octanoate | E, H | 225-656-7 | 4995-91-9 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 C; R35 R42/43 N; R50-53 | T; C; N R: 49-61-35-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, C, N; R49-61-35-42/43-48/23-68-50/53 10 % ≤ C < 25 %: T, C, N; R49-61-35-42/43-48/23-68-51/53 5 % ≤ C < 10 %: T, N; R49-61-34-42/43-48/23-68-51/53 2,5 % ≤ C < 5 %: T, N; R49-61-36/38-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-36/38-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-029-00-4 | nickel difluoride; [1] nickel dibromide; [2] nickel diiodide; [3] nickel potassium fluoride [4] | E, H | 233-071-3 [1] 236-665-0 [2] 236-666-6 [3] - [4] | 10028-18-9 [1] 13462-88-9 [2] 13462-90-3 [3] 11132-10-8 [4] | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; 49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; 49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|--|--|---|---|---|-------------------------------|
| 028-030-00-X | nickel hexafluorosilicate | E, H | 247-430-7 | 26043-11-8 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-031-00-5 | nickel selenate | E, H | 239-125-2 | 15060-62-5 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-032-00-0 | nickel hydrogen phosphate; [1] nickel bis(dihydrogen phosphate); [2] trinickel bis(orthophosphate); [3] dinickel diphosphate; [4] nickel bis(phosphinate); [5] nickel phosphinate; [6] phosphoric acid, calcium nickel salt; [7] diphosphoric acid, nickel(II) salt [8] | E, H | 238-278-2 [1] 242-522-3 [2] 233-844-5 [3] 238-426-6 [4] 238-511-8 [5] 252-840-4 [6] - [7] - [8] | 14332-34-4 [1] 18718-11-1 [2] 10381-36-9 [3] 14448-18-1 [4] 14507-36-9 [5] 36026-88-7 [6] 17169-61-8 [7] 19372-20-4 [8] | Carc. Cat. 1; R49 T; R48/23 R42/43 N; R50-53 | T; N R: 49-42/43-48/23-50/53 S: 53-45-60-61 | | |
| 028-033-00-6 | diammonium nickel hexacyanoferrate | E, H | — | 74195-78-1 | Carc. Cat. 1; R49 T; R48/23 R42/43 N; R50-53 | T; N R: 49-42/43-48/23-50/53 S: 53-45-60-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|---|--|--|--|----------------------|-------------------------------|
| 028-034-00-1 | nickel dicyanide | E, H | 209-160-8 | 557-19-7 | Carc. Cat. 1; R49 T; R48/23 R42/43 R32 N; R50-53 | T; N R: 49-32-42/43-48/23-50/53 S: 53-45-60-61 | | |
| 028-035-00-7 | nickel chromate | E, H | 238-766-5 | 14721-18-7 | Carc. Cat. 1; R49 T; R48/23 R42/43 N; R50-53 | T; N R: 49-42/43-48/23-50/53 S: 53-45-60-61 | | |
| 028-036-00-2 | nickel(II) silicate; [1] dinickel orthosilicate; [2] nickel silicate (3:4); [3] silicic acid, nickel salt; [4] trihydrogen hydroxybis[orthosilicato(4-)]trinicelate(3-) [5] | E, H | 244-578-4 [1] 237-411-1 [2] 250-788-7 [3] 253-461-7 [4] 235-688-3 [5] | 21784-78-1 [1] 13775-54-7 [2] 31748-25-1 [3] 37321-15-6 [4] 12519-85-6 [5] | Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53 | T; N R: 49-43-48/23-50/53 S: 53-45-60-61 | | |
| 028-037-00-8 | dinickel hexacyanoferrate | E, H | 238-946-3 | 14874-78-3 | Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53 | T; N R: 49-43-48/23-50/53 S: 53-45-60-61 | | |
| 028-038-00-3 | trinickel bis(arsenate); nickel(II) arsenate | E, H | 236-771-7 | 13477-70-8 | Carc. Cat. 1; R45 T; R48/23 R43 N; R50-53 | T; N R: 45-43-48/23-50/53 S: 53-45-60-61 | | |
| 028-039-00-9 | nickel oxalate; [1] oxalic acid, nickel salt [2] | E, H | 208-933-7 [1] 243-867-2 [2] | 547-67-1 [1] 20543-06-0 [2] | Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53 | T; N R: 49-43-48/23-50/53 S: 53-45-60-61 | | |
| 028-040-00-4 | nickel telluride | E, H | 235-260-6 | 12142-88-0 | Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53 | T; N R: 49-43-48/23-50/53 S: 53-45-60-61 | | |
| 028-041-00-X | trinickel tetrasulfide | E, H | — | 12137-12-1 | Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53 | T; N R: 49-43-48/23-50/53 S: 53-45-60-61 | | |
| 028-042-00-5 | trinickel bis(arsenite) | E, H | — | 74646-29-0 | Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53 | T; N R: 49-43-48/23-50/53 S: 53-45-60-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|---|--|--|--|--|-------------------------------|
| 028-043-00-0 | cobalt nickel gray periclase; C.I. Pigment Black 25; C.I. 77332; [1] cobalt nickel dioxide; [2] cobalt nickel oxide [3] | E, H | 269-051-6 [1] 261-346-8 [2] - [3] | 68186-89-0 [1] 58591-45-0 [2] 12737-30-3 [3] | Carc. Cat. 1; R49 T; R48/23 R43 | T R: 49-43-48/23 S: 53-45 | | |
| 028-044-00-6 | nickel tin trioxide; nickel stannate | E, H | 234-824-9 | 12035-38-0 | Carc. Cat. 1; R49 T; R48/23 R43 | T R: 49-43-48/23 S: 53-45 | | |
| 028-045-00-1 | nickel triuranium decaoxide | E, H | 239-876-6 | 15780-33-3 | Carc. Cat. 1; R49 T; R48/23 R43 | T R: 49-43-48/23 S: 53-45 | | |
| 028-046-00-7 | nickel dithiocyanate | E, H | 237-205-1 | 13689-92-4 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 R32 N; R50-53 | T; N R: 49-61-32-42/43-48/ 23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-61-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-047-00-2 | nickel dichromate | E, H | 239-646-5 | 15586-38-6 | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |
| 028-048-00-8 | nickel(II) selenite | E, H | 233-263-7 | 10101-96-9 | Carc. Cat. 1; R49 T; R48/23 R42/43 N; R50-53 | T; N R: 49-42/43-48/23-50/53 S: 53-45-60-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|---|--|---|---|---|-------------------------------|
| 028-049-00-3 | nickel selenide | E, H | 215-216-2 | 1314-05-2 | Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53 | T; N R: 49-43-48/23-50/53 S: 53-45-60-61 | | |
| 028-050-00-9 | silicic acid, lead nickel salt | E, H | — | 68130-19-8 | Carc. Cat. 1: R49 Repr. Cat. 1: R61 Repr. Cat. 3; R62 T; R48/23 R43 N; R50-53 | T; N R: 49-61-43-48/23-62-50/53 S: 53-45-60-61 | | |
| 028-051-00-4 | nickel diarsenide; [1] nickel arsenide [2] | E, H | 235-103-1 [1] 248-169-1 [2] | 12068-61-0 [1] 27016-75-7 [2] | Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53 | T; N R: 49-43-48/23-50/53 S: 53-45-60-61 | | |
| 028-052-00-X | nickel barium titanium primrose priderite; C.I. Pigment Yellow 157; C.I. 77900 | E, H | 271-853-6 | 68610-24-2 | Carc. Cat. 1: R49 T; R48/23 R43 | T R: 49-43-48/23 S: 53-45 | | |
| 028-053-00-5 | nickel dichlorate; [1] nickel dibromate; [2] ethyl hydrogen sulfate, nickel(II) salt [3] | E, H | 267-897-0 [1] 238-596-1 [2] 275-897-7 [3] | 67952-43-6 [1] 14550-87-9 [2] 71720-48-4 [3] | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N: R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T: R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T: R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|---|---|---|---|---|-------------------------------|
| 028-054-00-0 | nickel(II) trifluoroacetate; [1] nickel(II) propionate; [2] nickel bis(benzenesulfonate); [3] nickel(II) hydrogen citrate; [4] citric acid, ammonium nickel salt; [5] citric acid, nickel salt; [6] nickel bis(2-ethylhexanoate); [7] 2-ethylhexanoic acid, nickel salt; [8] dimethylhexanoic acid nickel salt; [9] nickel(II) isooctanoate; [10] nickel isooctanoate; [11] nickel bis(isononanoate); [12] nickel(II) neononanoate; [13] nickel(II) isodecanoate; [14] nickel(II) neodecanoate; [15] neodecanoic acid, nickel salt; [16] nickel(II) neoundecanoate; [17] bis(D-gluconato-O ¹ ,O ²)nickel; [18] nickel 3,5-bis(<i>tert</i> -butyl)-4-hydroxybenzoate (1:2); [19] nickel(II) palmitate; [20] (2-ethylhexanoato-O)(isononanoato-O)nickel; [21] (isononanoato-O)(isooctanoato-O)nickel; [22] (isooctanoato-O)(neodecanoato-O)nickel; [23] (2-ethylhexanoato-O)(isodecanoato-O)nickel; [24] (2-ethylhexanoato-O)(neodecanoato-O)nickel; [25] (isodecanoato-O)(isooctanoato-O)nickel; [26] (isodecanoato-O)(isononanoato-O)nickel; [27] (isononanoato-O)(neodecanoato-O)nickel; [28] | E, H | 240-235-8 [1] 222-102-6 [2] 254-642-3 [3] 242-533-3 [4] 242-161-1 [5] 245-119-0 [6] 224-699-9 [7] 231-480-1 [8] 301-323-2 [9] 249-555-2 [10] 248-585-3 [11] 284-349-6 [12] 300-094-6 [13] 287-468-1 [14] 287-469-7 [15] 257-447-1 [16] 300-093-0 [17] 276-205-6 [18] 258-051-1 [19] 237-138-8 [20] 287-470-2 [21] 287-471-8 [22] 284-347-5 [23] 284-351-7 [24] 285-698-7 [25] 285-909-2 [26] 284-348-0 [27] 287-592-6 [28] 294-302-1 [29] 283-972-0 [30] - [31] | 16083-14-0 [1] 3349-08-4 [2] 39819-65-3 [3] 18721-51-2 [4] 18283-82-4 [5] 22605-92-1 [6] 4454-16-4 [7] 7580-31-6 [8] 93983-68-7 [9] 29317-63-3 [10] 27637-46-3 [11] 84852-37-9 [12] 93920-10-6 [13] 85508-43-6 [14] 85508-44-7 [15] 51818-56-5 [16] 93920-09-3 [17] 71957-07-8 [18] 52625-25-9 [19] 13654-40-5 [20] 85508-45-8 [21] 85508-46-9 [22] 84852-35-7 [23] 84852-39-1 [24] 85135-77-9 [25] 85166-19-4 [26] 84852-36-8 [27] 85551-28-6 [28] 91697-41-5 [29] 84776-45-4 [30] 72319-19-8 [31] | Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53 | T; N R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61 | C ≥ 25 %: T, N; R49-61-42/43-48/23-68-50/53 2,5 % ≤ C < 25 %: T, N; R49-61-42/43-48/23-68-51/53 1 % ≤ C < 2,5 %: T; R49-61-42/43-48/23-68-52/53 0,5 % ≤ C < 1 %: T; R49-61-43-48/20-52/53 0,25 % ≤ C < 0,5 %: T; R49-43-48/20-52/53 0,1 % ≤ C < 0,25 %: T; R49-43-48/20-52/53 0,01 % ≤ C < 0,1 %: Xi; R43 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|---|--|---|---|----------------------|-------------------------------|
| | fatty acids, C ₆₋₁₉ -branched, nickel salts; [29] fatty acids, C ₈₋₁₈ and C ₁₈ -unsaturated, nickel salts; [30] 2,7-naphthalenedisulfonic acid, nickel(II) salt; [31] | | | | | | | |
| 028-055-00-6 | nickel(II) sulfite; [1] nickel tellurium trioxide; [2] nickel tellurium tetraoxide; [3] molybdenum nickel hydroxide oxide phosphate [4] | E, H | 231-827-7 [1] 239-967-0 [2] 239-974-9 [3] 268-585-7 [4] | 7757-95-1 [1] 15851-52-2 [2] 15852-21-8 [3] 68130-36-9 [4] | Carc. Cat. 1; R49 T; R48/23 R42/43 N; R50-53 | T; N R: 49-42/43-48/23-50/53 S: 53-45-60-61 | | |
| 028-056-00-1 | nickel boride (NiB); [1] dinickel boride; [2] trinickel boride; [3] nickel boride; [4] dinickel silicide; [5] nickel disilicide; [6] dinickel phosphide; [7] nickel boron phosphide [8] | E, H | 234-493-0 [1] 234-494-6 [2] 234-495-1 [3] 235-723-2 [4] 235-033-1 [5] 235-379-3 [6] 234-828-0 [7] - [8] | 12007-00-0 [1] 12007-01-1 [2] 12007-02-2 [3] 12619-90-8 [4] 12059-14-2 [5] 12201-89-7 [6] 12035-64-2 [7] 65229-23-4 [8] | Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53 | T; N R: 49-43-48/23-50/53 S: 53-45-60-61 | | |
| 028-057-00-7 | dialuminium nickel tetraoxide; [1] nickel titanium trioxide; [2] nickel titanium oxide; [3] nickel divanadium hexaoxide; [4] cobalt dimolybdenum nickel octaoxide; [5] nickel zirconium trioxide; [6] molybdenum nickel tetraoxide; [7] nickel tungsten tetraoxide; [8] olivine, nickel green; [9] lithium nickel dioxide; [10] molybdenum nickel oxide; [11] | E, H | 234-454-8 [1] 234-825-4 [2] 235-752-0 [3] 257-970-5 [4] 268-169-5 [5] 274-755-1 [6] 238-034-5 [7] 238-032-4 [8] 271-112-7 [9] - [10] - [11] | 12004-35-2 [1] 12035-39-1 [2] 12653-76-8 [3] 52502-12-2 [4] 68016-03-5 [5] 70692-93-2 [6] 14177-55-0 [7] 14177-51-6 [8] 68515-84-4 [9] 12031-65-1 [10] 12673-58-4 [11] | Carc. Cat. 1; R49 T; R48/23 R43 | T R: 49-43-48/23 S: 53-45 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|---|--|---|-------------------------------|
| 028-058-00-2 | cobalt lithium nickel oxide | E | 442-750-5 | — | Carc. Cat. 1; R49 T+; R26 T; R48/23 R43 N; R50-53 | T+; N R: 49-26-43-48/23-50/ 53 S: 53-45-60-61 | | |
| 029-014-00-5 | mixture of: 2,2'-[[<i>cis</i> -1,2-cyclohexanediylbis(nitrilomethylidene)]bis[phenolate]](2-) <i>N,N',O,O'</i> -copper complex; 2,2'-[[<i>trans</i> -1,2-cyclohexanediylbis(nitrilomethylidene)]bis[phenolate]](2-) <i>N,N',O,O'</i> -copper complex | | 419-610-7 | 171866-24-3 | Xn; R48/22 N; R51-53 | Xn; N R: 48/22-51/53 S: (2-)22-36-61 | | |
| 030-012-00-1 | aluminium-magnesium-zinc-carbonate-hydroxide | | 423-570-6 | 169314-88-9 | R52-53 | R: 52/53 S: 61 | | |
| 030-015-00-8 | tetrazinc(2+)bis(hexacyanocobalt(3+))diacetate | | 440-060-9 | — | N; R51-53 | N R: 51/53 S: 61 | | |
| 042-005-00-0 | mixture of: mono- and diglycerols of canola oil; canola oil acid amide of branched 1,3-propanediamine, <i>N</i> -[3-(tridecyloxy)propyl]; <i>N,N</i> -diorgano dithiocarbamate molybdenum complex | | 434-240-6 | — | R43 N; R51-53 | Xi; N R: 43-51/53 S: (2-)24-37-61 | | |
| 050-023-00-5 | mixture of: bis[(2-ethyl-1-oxohexyl)oxy]dioctyl stannane; bis[((2-ethyl-1-oxohexyl)oxy)dioctylstannyl]oxide; bis(1-phenyl-1,3-decanedionyl) dioctyl stannane; ((2-ethyl-1-oxohexyl)oxy)-(1-phenyl-1,3-decanedionyl) dioctyl stannane | | 422-920-5 | — | Xn; R48/22 N; R50-53 | Xn; N R: 48/22-50/53 S: (2-)23-36-60-61 | C ≥ 10 %: Xn, N; R48/22-50/53 2,5 % ≤ C < 10 %: N; R50/53 0,25 % ≤ C < 2,5 %: N; R51/53 0,025 % ≤ C < 0,25 %: R52/53 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|--|--|----------------------|-------------------------------|
| 050-024-00-0 | mixture of: tri- <i>p</i> -tolytin hydroxide; hexa- <i>p</i> -tolyl-distannoxane | | 432-230-6 | — | T; R48/25 Xn; R22 Xi; R38-41 R43 N; R50-53 | T; N R: 22-38-41-43-48/25-50/53 S: (1/2-)22-26-36/37/39-45-60-61 | | |
| 064-001-00-8 | gadolinium(III)sulfite trihydrate | | 456-900-2 | 51285-81-5 | N; R51-53 | N R: 51/53 S: 61 | | |
| 078-011-00-5 | hydroxydisulfito platinum(II) acid | | 423-310-1 | 61420-92-6 | Xn; R22-48/20/21/22 C; R35 R42/43 R52-53 | C R: 22-35-42/43-48/20/21/22-52/53 S: (1/2-)23-24-26-28-36/37/39-45-61 | | |
| 078-012-00-0 | platinum(IV) nitrate/nitric acid solution | | 432-400-1 | — | C; R35 N; R50-53 | C; N R: 35-50/53 S: (1/2-)26-36/37/39-45-60-61 | | |
| 082-012-00-6 | barium calcium cesium lead samarium strontium bromide chloride fluoride iodide europium doped | | 431-780-4 | 199876-46-5 | Xn; R22-48/22 N; R51-53 | Xn; N R: 22-48/22-51/53 S: (2-)22-36-61 | | |
| 601-080-00-5 | mixture of: <i>sec</i> -butylphenyl(phenyl)methane, mixed isomers; 1-(<i>sec</i> -butylphenyl(phenyl)-2-phenylethane, mixed isomers; 1-(<i>sec</i> -butylphenyl-1-phenylethane, mixed isomers | | 431-100-6 | — | N; R50-53 | N R: 50/53 S: 60-61 | | |
| 601-081-00-0 | cyclohexadeca-1,9-diene | | 431-730-1 | 4277-06-9 | Xi; R38 R43 R53 | Xi R: 38-43-53 S: (2-)36/37-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|---------------------------------|--|----------------------|-------------------------------|
| 601-082-00-6 | mixture of: endo-2-methyl-exo-3-methyl-exo-2-[(exo-3-methyl-bicyclo[2.2.1]hept-exo-2-yl)methyl]bicyclo[2.2.1]heptane; exo-2-methyl-exo-3-methyl-endo-2-[(endo-3-methylbicyclo[2.2.1]hept-exo-2-yl)methyl]bicyclo[2.2.1]heptane | | 434-420-4 | — | Xi; R38-41 N; R50-53 | Xi; N R: 38-41-50/53 S: (2-)23-26-37/39-57-60-61 | | |
| 601-083-00-1 | 5-endo-hexyl-bicyclo[2.2.1]hept-2-ene | | 435-000-3 | 22094-83-3 | Xn; R65 Xi; R38 R53 | Xn R: 38-65-53 S: (2-)37-62-61 | | |
| 601-084-00-7 | mixture of: 5-endo-butyl-bicyclo[2.2.1]hept-2-ene; 5-exo-butyl-bicyclo[2.2.1]hept-2-ene (80:20) | | 435-180-3 | — | Xn; R65 Xi; R38 N; R50-53 | Xn; N R: 38-65-50/53 S: (2-)37-62-60-61 | | |
| 602-105-00-2 | sodium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfinate | | 422-100-7 | 102061-82-5 | Xi; R41 R43 | Xi R: 41-43 S: (2-)24-26-37/39 | | |
| 602-106-00-8 | 2-bromo-4,6-difluoroaniline | | 429-430-0 | 444-14-4 | Xn; R22 N; R51-53 | Xn; N R: 22-51/53 S: (2-)25-61 | | |
| 602-107-00-3 | 3,3,4,4-tetrafluoro-4-iodo-1-butene | | 439-500-2 | 33831-83-3 | Xn; R22 Xi; R38 N; R51-53 | Xn; N R: 22-38-51/53 S: (2-)37-61 | | |
| 602-108-00-9 | (2,3,5,6-tetrafluorophenyl)methanol | | 443-840-7 | 4084-38-2 | Xn; R22 Xi; R36 R43 | Xn R: 22-36-43 S: (2-)26-36/37 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|---|--|----------------------|-------------------------------|
| 603-211-00-1 | 2,3-epoxypropyltrimethylammonium chloride ... %; glycidyl trimethylammonium chloride ... % | B E | 221-221-0 | 3033-77-0 | Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 Xn; R21/22-48/22 Xi; R41 R43 R52-53 | T R: 45-21/22-41-43-48/ 22-62-68-52/53 S: 53-45-61 | | |
| 603-212-00-7 | 1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8-hexamethyl- indeno[5,6-c]pyran; galaxolide; (HHCb) | | 214-946-9 | 1222-05-5 | N; R50-53 | N R: 50/53 S: 60-61 | | |
| 603-213-00-2 | 2-methoxy-2-methylbutane; <i>tert</i> -amyl methyl ether | | 213-611-4 | 994-05-8 | F; R11 Xn; R22 R67 | F; Xn R: 11-22-67 S: (2-)9-16-23-33 | | |
| 603-214-00-8 | 1,1-diisopropoxycyclohexane | | 413-740-8 | 1132-95-2 | C; R34 | C R: 34 S: (1/2-)23-26-36/37/39- 45 | | |
| 603-215-00-3 | 1-hydroxy-4-fluoro-1,4-diazo- niabicyclo[2.2.2]octane bis (tetrafluoroborate) | | 418-330-2 | 162241-33-0 | E; R2 Xn; R22-48/22 Xi; R41 R43 N; R50-53 | E; Xn; N R: 2-22-41-43-48/22-50/ 53 S: (2-)22-26-36/37/39- 60-61 | | |
| 603-216-00-9 | <i>cis</i> -1-amino-2,3-dihydro-1 <i>H</i> - inden-2-ol | | 422-660-2 | 7480-35-5 | Xi; R41 R43 R52-53 | Xi R: 41-43-52/53 S: (2-)24-26-37/39-61 | | |
| 603-217-00-4 | 2,4,6-tri- <i>tert</i> -butylphenyl 2-butyl-2-ethyl-1,3- propanediolphosphite | | 423-560-1 | 161717-32-4 | R43 R53 | Xi R: 43-53 S: (2-)24-37/39-61 | | |
| 603-220-00-0 | 1-{benzyl[2-(2-methoxy- phenoxy)ethyl]amino}-3-(9 <i>H</i> - carbazol-4-yloxy)propan-2-ol | | 432-890-5 | 72955-94-3 | R53 | R: 53 S: 61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|---|--|----------------------|-------------------------------|
| 603-221-00-6 | 1-(2-amino-5-chlorophenyl)-2,2,2-trifluoro-1,1-ethanediol, hydrochloride; [containing < 0,1 % 4-chloro-aniline (EC No 203-401-0)] | | 433-580-2 | 214353-17-0 | Xn; R22 C; R34 N; R51-53 | C; N R: 22-34-51/53 S: (1/2-)26-36/37/39-45-61 | | |
| 603-221-01-3 | 1-(2-amino-5-chlorophenyl)-2,2,2-trifluoro-1,1-ethanediol, hydrochloride; [containing ≥ 0,1 % 4-chloro-aniline (EC No 203-401-0)] | E | 433-580-2 | 214353-17-0 | Carc. Cat. 2; R45 Xn; R22 C; R34 N; R51-53 | T; N R: 45-22-34-51/53 S: 53-45-61 | | |
| 603-222-00-1 | (2R,3S,4R,5R,7R,9R,10R,11S,12S,13R)-10-[[4-dimethyl-amino-3-hydroxy-6-methyltetrahydropyran-2-yl)oxy]-2-ethyl-3,4,12-trihydroxy-9-methoxy-3,5,7,9,11,13-hexamethyl-6,14-dioxo-1-oxacyclotetradecane | | 433-820-6 | 118058-74-5 | Xi; R36 | Xi R: 36 S: (2-)26 | | |
| 603-223-00-7 | 2-cyclopentylidene cyclopentanol; 1,1'-bi(cyclopentyliden)-2-ol | | 434-270-1 | 6261-30-9 | Xi; R38-41 R52-53 | Xi R: 38-41-52/53 S: (2-)26-37/39-61 | | |
| 603-224-00-2 | 3-ethoxy-1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl)-hexane | | 435-790-1 | 297730-93-9 | R53 | R: 53 S: 61 | | |
| 603-225-00-8 | erythromycin A9-oxime (E); (3R,4S,5S,6R,7R,9R,11R,12R,13S,14R)-4-((2,6-didesoxy-3-C-methyl-3-O-methyl-α-L-ribo-hexopiranosyl)oxy)-14-ethyl-7,12,13-trihydroxy-3,5,7,9,11,13-hexamethyl-6-((3,4,6-tridesoxy-3-dimethyl-amino-β-D-xylohexapiranosyl)oxy)oxacyclotetradecan-2-ona-10-oxime (E) | | 437-070-0 | 13127-18-9 | N; R51-53 | N R: 51/53 S: 61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|--------------------------------|--|----------------------|-------------------------------|
| 603-226-00-3 | 4,4'-(4-(4-methoxyphenyl)-1,3,5-triazin-2,4-diyl)bis-benzene-1,3-diol | | 444-500-0 | 1440-00-2 | R52-53 | R: 52/53 S: 61 | | |
| 603-227-00-9 | α -hydro- ω -[[[(1,1-dimethylethyl)dioxy]carbonyl]oxy]-poly[oxy(methyl-1,2-ethanediy)] ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1); reaction product of: α -hydro- ω -((chlorocarbonyl)oxy)-poly(oxy(methyl-1,2-ethanediy)) ether with 2,2-bis(hydroxymethyl)-1,3-propanediol with potassium 1,1-dimethylethylperoxalate | | 445-060-2 | 203574-04-3 | O; R7 N; R50-53 | O; N R: 7-50/53 S: (2-)3/7-14-36/37/39-60-61 | | |
| 603-228-00-4 | (+/-)-(R*,R*)-6-fluoro-3,4-dihydro-2-oxiranyl-2H-1-benzopyran; 6-fluoro-2-(2-oxiranyl)chromane | | 419-620-1 | — | R43 N; R51-53 | Xi; N R: 43-51/53 S: (2-)36/37-61 | | |
| 603-229-00-X | sodium (Z)-3-chloro-3-(4-chlorophenyl)-1-hydroxy-2-propene-1-sulfonate | | 420-800-7 | — | Xi; R38-41 R43 N; R50-53 | Xi; N R: 38-41-43-50/53 S: (2-)24-26-37/39-60-61 | | |
| 603-230-00-5 | 2,6,6,7,8,8-hexamethyldecahydro-2H-indeno[4,5-b]furan | | 440-030-5 | — | Xi; R38-41 R53 | Xi R: 38-41-53 S: (2-)26-37/39-61 | | |
| 603-231-00-0 | (S)-1,1-diphenyl-1,2-propanediol | | 443-220-6 | — | R52-53 | R: 52/53 S: 22-61 | | |
| 603-232-00-6 | 3,3,8,8,10,10-hexamethyl-9-[1-(4-oxiranylmethoxy-phenyl)ethoxy]-1,5-dioxo-9-aza-spiro[5.5]undecane | | 444-420-6 | — | R53 | R: 53 S: 61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|------------|---|--|---|-------------------------------|
| 603-233-00-1 | mixture of: 4-(1,3a,4,6,7,7a-hexahydro-4,7-methanoinden-5-ylidene)-3-methylbutan-2-ol; 4-(3,3a,4,6,7,7a-hexahydro-4,7-methanoinden-5-ylidene)-3-methylbutan-2-ol; 1-(1,3a,4,6,7,7a-hexahydro-4,7-methanoinden-5-ylidene)pentan-3-ol; 1-(3,3a,4,6,7,7a-hexahydro-4,7-methanoinden-5-ylidene)pentan-3-ol; (E)-4-(3a,4,5,6,7,7a-hexahydro-1H-4,7-methanoinden-5-yl)-3-methylbut-3-en-2-ol; (E)-4-(3a,4,5,6,7,7a-hexahydro-3H-4,7-methanoinden-5-yl)-3-methylbut-3-en-2-ol | | 444-430-0 | — | N; R51-53 | N R: 51/53 S: 61 | | |
| 603-234-00-7 | (1R,4R)-4-methoxy-2,2,7,7-tetramethyltricyclo(6.2.1.0(1,6))undec-5-ene | | 444-480-3 | — | Xi; R38 N; R51-53 | Xi; N R: 38-51/53 S: (2-)37-61 | | |
| 604-074-00-0 | tetrabromobisphenol-A; 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | | 201-236-9 | 79-94-7 | N; R50-53 | N R: 50/53 S: 60-61 | | |
| 604-075-00-6 | 4-(1,1,3,3-tetramethylbutyl)phenol; 4-tert-octylphenol | | 205-426-2 | 140-66-9 | Xi; R38-41 N; R50-53 | Xi; N R: 38-41-50/53 S: (2-)26-37/39-60-61 | C ≥ 20 %: Xi, N; R38-41-50/53 10 % ≤ C < 20 %: Xi, N; R41-50/53 5 % ≤ C < 10 %: Xi, N; R36-50/53 2,5 % ≤ C < 5 %: N; R50/53 0,25 % ≤ C < 2,5 %: N; R51/53 0,025 % ≤ C < 0,25 %: R52/53 | |
| 604-076-00-1 | phenolphthalein | | 201-004-7 | 77-09-8 | Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 | T R: 45-62-68 S: 53-45 | C ≥ 5 %: T; R45-62-68 1 % ≤ C < 5 %: T; R45-68 | |
| 604-077-00-7 | 2-benzotriazol-2-yl-4-methyl-6-(2-methylallyl)phenol | | 419-750-9 | 98809-58-6 | R53 | R: 53 S: 61 | | |
| 604-079-00-8 | 4,4'-(1,3-phenylene-bis(1-methylethylidene))bis-phenol | | 428-970-4 | 13595-25-0 | Repr.Cat.3; R62 R43 N; R51-53 | Xn; N R: 43-62-51/53 S: (2-)22-36/37-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|---|--|----------------------|-------------------------------|
| 604-080-00-3 | 4-fluoro-3-trifluoromethylphenol | | 432-560-0 | 61721-07-1 | Xn; R20 C; R35 R43 N; R51-53 | C; N R: 20-35-43-51/53 S: (1/2-)26-28-36/37/39-45-61 | | |
| 604-081-00-9 | 1,1-bis(4-hydroxyphenyl)-1-phenylethane | | 433-130-5 | 1571-75-1 | N; R50-53 | N R: 50/53 S: 25-60-61 | | |
| 604-082-00-4 | 2-chloro-6-fluoro-phenol | E | 433-890-8 | 2040-90-6 | Muta.Cat.2; R46 Repr.Cat.3; R62 Xn; R22 C; R34 R43 N; R51-53 | T; N R: 46-22-34-43-62-51/53 S: 53-45-61 | | |
| 604-083-00-X | 4,4'-sulfonylbisphenol, polymer with ammonium chloride (NH ₄ Cl), pentachlorophosphorane and phenol | | 439-270-3 | 260408-02-4 | R53 | R: 53 S: 61 | | |
| 604-084-00-5 | 1-ethoxy-2,3-difluorobenzene | | 441-000-4 | 121219-07-6 | Xn; R22 R52-53 | Xn R: 22-52/53 S: (2-)23-61 | | |
| 604-087-00-1 | mixture of: 1,2-naphthoquinonediazide-5-sulfonylchloride (or sulfonic acid)monoester with 4,4'-(1-(4-(1-(4-hydroxyphenyl)-1-methylethyl)phenyl)ethylidene)bisphenol; 1,2-naphthoquinonediazide-5-sulfonylchloride (or sulfonic acid)diester with 4,4'-(1-(4-(1-(4-hydroxyphenyl)-1-methylethyl)phenyl)ethylidene)bisphenol; 1,2-naphthoquinonediazide-5-sulfonylchloride (or sulfonic acid)triester with 4,4'-(1-(4-(1-(4-hydroxyphenyl)-1-methylethyl)phenyl)ethylidene)bisphenol | | 433-640-8 | — | F; R17 R44 R53 | F R: 17-44-53 S: (2-)15-22-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|---|---|----------------------|-------------------------------|
| 604-089-00-2 | 2-methyl-5- <i>tert</i> -butylthiophenol | | 444-970-7 | — | R10 Repr.Cat.3; R63 Xn; R48/20/22-65 Xi; R36/38 R43 R67 N; R50-53 | Xn; N R: 10-36/38-43-48/20/ 22-63-65-67-50/53 S: (2-)26-36/37-62-60-61 | | |
| 605-037-00-1 | <i>trans</i> -3-[2-(7-chloro-2-quinolinylnyl)vinyl]benzaldehyde; 3-[(<i>E</i>)-2-(7-chloro-2-quinolinylnyl)vinyl]benzaldehyde | | 421-800-1 | 120578-03-2 | R53 | R: 53 S: 22-61 | | |
| 605-038-00-7 | 3-methyl-5-phenylpentan-1-ol | | 433-900-0 | 55066-49-4 | Xn; R22 Xi; R38 R43 N; R51-53 | Xn; N R: 22-38-43-51/53 S: (2-)36/37-61 | | |
| 605-039-00-2 | 3,4-dihydroxy-5-nitrobenzaldehyde | | 441-810-8 | 116313-85-0 | Xn; R22 Xi; R41 R43 | Xn R: 22-41-43 S: (2-)22-24-26-37/39 | | |
| 606-124-00-7 | 1-cyclopropyl-3-(2-methylthio-4-trifluoromethylphenyl)-1,3-propanedione | | 421-080-7 | 161462-35-7 | Xn; R48/22 N; R50-53 | Xn; N R: 48/22-50/53 S: (2-)36-60-61 | | |
| 606-125-00-2 | 1-benzylimidazolidine-2,4-dione | | 421-340-1 | 6777-05-5 | Xn; R22 | Xn R: 22 S: (2-)22 | | |
| 606-126-00-8 | 1,4-bis(2,3-dihydroxypropylamino)anthraquinone | | 421-470-7 | 99788-75-7 | N; R51-53 | N R: 51/53 S: 61 | | |
| 606-128-00-9 | 2,2'-(1,3-phenylene)bis[5-chloro-1 <i>H</i> -isoindole]-1,3(2 <i>H</i>)-dione | | 422-650-8 | 148935-94-8 | R53 | R: 53 S: 61 | | |
| 606-129-00-4 | 5-amino-[2 <i>S</i> -di(methylphenylamino)-1,6-diphenyl-4 <i>Z</i> -hexen-3-one; (2 <i>S</i> ,4 <i>Z</i>)-5-amino-2-(dibenzylamino)-1,6-diphenylhex-4-en-3-one | | 423-090-7 | 156732-13-7 | R53 | R: 53 S: 61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|--|---|--|-------------------------------|
| 606-130-00-X | 4-(1,4-dioxo-spiro[4.5]dec-8-yl)-cyclohexanone | | 423-860-2 | 56309-94-5 | R43 R52-53 | Xi R: 43-52/53 S: (2-)24-37-61 | | |
| 606-131-00-5 | cyclic 3-(1,2-ethanediyliacetale)-estra-5(10),9(11)-diene-3,17-dione | E | 427-230-8 | 5571-36-8 | Repr. Cat. 2; R60 Xn; R48/22 N; R51-53 | T; N R: 60-48/22-51/53 S: 53-45-61 | | |
| 606-132-00-0 | (6β)-6,19-epoxyandrost-4-ene-3,17-dione | | 433-490-3 | 6563-83-3 | R43 R52-53 | Xi R: 43-52/53 S: (2-)24-37-61 | | |
| 606-134-00-1 | androsta-1,4,9(11)-triene-3,17-dione | | 433-560-3 | 15375-21-0 | Repr. Cat.3; R62 | Xn R: 62 S: (2-)22-36/37 | | |
| 606-135-00-7 | cyclohexadecanone | | 438-930-8 | 2550-52-9 | R53 | R: 53 S: 61 | | |
| 606-136-00-2 | (3S,6R,9S,12R,15S,18R,21S,24R)-6,18-dibenzyl-3,9,15,21-tetraisobutyl-4,10,12,16,22,24-hexamethyl-1,7,13,19-tetraoxa-4,10,16,22-tetraazacyclo-tetra-cosane-2,5,8,11,14,17,20,23-octaone | | 444-350-6 | 133413-70-4 | Xi; R36 R53 | Xi R: 36-53 S: (2-)26-61 | | |
| 606-137-00-8 | <i>trans</i> -7,7'-dimethyl-(4 <i>H</i> ,4 <i>H'</i>)-(2,2')bi[benzo[1,4]thiazinylidene]-3,3'-dione | | 444-750-0 | 211387-26-7 | R53 | R: 53 S: 22-61 | | |
| 606-138-00-3 | (2-butyl-5-nitrobenzofuran-3-yl)[4-(3-dibutylaminopropoxy)phenyl]methanone | | 444-800-1 | 141645-23-0 | R10 Xn; R22-48/22 Xi; R38-41 R43 N; R50-53 | Xn; N R: 10-22-38-41-43-48/ 22-50/53 S: (2-)23-26-36/37/39- 60-61 | C ≥ 25 %: Xn, N; R22-38-41-43-48/ 22-50/53 20 % ≤ C < 25 %: Xn, N; R38-41-43- 48/22-50/53 10 % ≤ C < 20 %: Xn, N; R41-43-48/ 22-50/53 5 % ≤ C < 10 %: Xi, N; R36-43-50/53 2,5 % ≤ C < 5 %: Xi, N; R43-50/53 1 % ≤ C < 2,5 %: Xi, N; R43-51/53 0,25 % ≤ C < 1 %: N; R51/53 0,025 % ≤ C < 0,25 %: R52/53 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|---|---|---|-------------------------------|
| 606-139-00-9 | (S)-4-(3,4-dichlorophenyl)-3,4-dihydro-2H-naphthalen-1-one | | 444-830-5 | 124379-29-9 | R53 | R: 53 S: 61 | | |
| 606-140-00-4 | 2-hydroxy-1-(4-(4-(2-hydroxy-2-methylpropionyl)benzyl)phenyl)-2-methylpropan-1-one | | 444-860-9 | 474510-57-1 | Xn; R48/22 N; R50-53 | Xn; N R: 48/22-50/53 S: (2-)22-36-60-61 | | |
| 606-141-00-X | sodium 3-(methoxycarbonyl)-4-oxo-3,4,5,6-tetrahydro-2-pyridinolate | | 418-410-7 | — | Xi; R36 | Xi R: 36 S: (2-)26 | | |
| 606-142-00-5 | mixture of: (1R,2SR,7SR,8SR,E) 9 and 10-ethylidene-3-oxatricyclo[6.2.1.0 ^(2,7)]undecan-4-one; (1R,2SR,7SR,8SR,Z)-10-ethylidene-3-oxatricyclo[6.2.1.0 ^(2,7)]undecan-4-one; (1R,2SR,7SR,8SR,Z)-9-ethylidene-3-oxatricyclo[6.2.1.0 ^(2,7)]undecan-4-one | | 434-290-9 | — | Xn; R22 N; R51-53 | Xn; N R: 22-51/53 S: (2-)61 | | |
| 607-580-00-X | ethyl 7-chloro-1-(2,4-difluorophenyl)-6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylate | | 422-360-1 | 100491-29-0 | R43 N; R51-53 | Xi; N R: 43-51/53 S: (2-)22-24-37-61 | | |
| 607-618-00-5 | menadione sodium bisulfite; 2-naphthalenesulfonic acid,1,2,3,4-tetrahydro-2-methyl-1,4-dioxo-, sodium salt | | 204-987-0 | 130-37-0 | Xi; R36/38 N; R50-53 | Xi; N R: 36/38-50/53 S: (2-)24/25-60-61 | | |
| 607-619-00-0 | menadione nicotinamide bisulfite; 1,2,3,4-tetrahydro-2-methyl-1,4-dioxonaphthalene-2-sulfonic acid, compound with nicotin-3-amide (1:1) | | 277-543-7 | 73581-79-0 | Xi; R36/38 N; R50-53 | Xi; N R: 36/38-50/53 S: (2-)24/25-60-61 | | |
| 607-620-00-6 | trisodium nitrilotriacetate | | 225-768-6 | 5064-31-3 | Carc. Cat. 3; R40 Xn; R22 Xi; R36 | Xn R: 22-36-40 S: (2-)26-36/37-46 | C ≥ 25 %: Xn; R22-36-40 20 ≤ % C < 25 %: Xn; R36-40 5 ≤ % C < 20 %: Xn; R40 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|---|--|---|---|--|-------------------------------|
| 607-621-00-1 | milbemectin (ISO); [mixture of milbemycin A3 (CAS No 51596-10-2) and milbemycin A4 (CAS No 51596-11-3) (30:70)] | | — | — | Xn; R20/22 N; R50-53 | Xn; N R: 20/22-50/53 S: (2-)46-60-61 | C ≥ 25 %: Xn, N; R20/22-50/53 0,25 % ≤ C < 25 %: N; R50/53 0,025 % ≤ C < 0,25 %: N; R51/53 0,0025 % ≤ C < 0,025 %: R52/53 | |
| 607-622-00-7 | 2-ethylhexyl-2-ethylhexanoate | | 231-057-1 | 7425-14-1 | Repr. Cat. 3; R63 | Xn R: 63 S: (2-)36/37 | | |
| 607-623-00-2 | diisobutyl phthalate | | 201-553-2 | 84-69-5 | Repr. Cat. 2; R61 Repr. Cat. 3; R62 | T R: 61-62 S: 53-45 | C ≥ 25 %: T; R61-62 5 % ≤ C < 25 %: Xn; R62 | |
| 607-624-00-8 | perfluorooctane sulfonic acid; heptadecafluorooctane-1- sulfonic acid; [1] potassium perfluorooctanesul- fonate; potassium heptadecafluoro- octane-1-sulfonate; [2] diethanolamine perfluorooctane sulfonate; [3] ammonium perfluorooctane sulfonate; ammonium heptadecafluoro- octanesulfonate; [4] lithium perfluorooctane sulfonate; lithium heptadecafluorooctane- sulfonate [5] | E | 217-179-8 [1] 220-527-1 [2] 274-460-8 [3] 249-415-0 [4] 249-644-6 [5] | 1763-23-1 [1] 2795-39-3 [2] 70225-14-8 [3] 29081-56-9 [4] 29457-72-5 [5] | Carc. Cat. 3; R40 Repr. Cat. 2; R61 T; R48/25 Xn; R20/22 R64 N; R51-53 | T; N R: 61-20/22-40-48/25- 64-51/53 S: 53-45-61 | | |
| 607-625-00-3 | clodinafop-propargyl (ISO) | | — | 105512-06-9 | Xn; R22-48/22 R43 N; R50-53. | Xn; N R: 22-43-48/22-50/53 S: (2-)24-36/37-46-60-61 | C ≥ 25 %: Xn, N; R22-43-48/22-50/53 10 % ≤ C < 25 %: Xn, N; R43-48/22- 51/53 2,5 % ≤ C < 10 %: Xi, N; R43-51/53 0,25 % ≤ C < 2,5 %: Xi; R43-52/53 0,001 % ≤ C < 0,25 %: Xi; R43 | |
| 607-626-00-9 | ethyl 1-(2,4-dichlorophenyl)-5- (trichloromethyl)-1H-1,2,4- triazole-3-carboxylate | | 401-290-5 | 103112-35-2 | Carc.Cat.2; R45 N; R50-53 | T; N R: 45-50/53 S: 53-45-60-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|------------------------------------|--|----------------------|-------------------------------|
| 607-627-00-4 | [(4 <i>S</i> ,5 <i>S</i>)-4-benzyl-2-oxo-5-oxazolidinyl]methyl 4-nitrobenzenesulfonate | | 416-360-0 | 162221-28-5 | R43 | Xi R: 43 S: (2-)22-24-37 | | |
| 607-628-00-X | 4-oxo-4-(<i>p</i> -tolyl)butyric acid adduct with 4-ethylmorpholine | | 419-240-6 | 171054-89-0 | Xi; R41 | Xi R: 41 S: (2-)26-39 | | |
| 607-629-00-5 | [[2-methyl-1-(1-oxopropoxy)propoxy](4-phenylbutyl)phosphinyl] acetic acid | | 419-270-1 | 123599-82-6 | Xi; R36 | Xi R: 36 S: (2-)26 | | |
| 607-630-00-0 | acrylic acid, 3-(trimethoxysilyl)propyl ester | | 419-560-6 | 4369-14-6 | Xn; R20 C; R34 R43 R52-53 | C R: 20-34-43-52/53 S: (1/2-)26-36/37/39-45-61 | | |
| 607-631-00-6 | mixture of: 2-(2-((oxo(phenyl)acetyl)oxy)ethoxy)ethyl oxo(phenyl)acetate; (2-(2-hydroxyethoxy)ethyl) oxo(phenyl)acetate | | 442-300-8 | — | R43 | Xi R: 43 S: (2-)24-37 | | |
| 607-632-00-1 | N-[3-(2,4-di-(1,1-dimethylpropyl)phenoxy)-propyl]-1-hydroxy-5-(2-methylpropyl-oxycarbonylamino)-naphthamide | | 420-210-1 | 111244-14-5 | R53 | R: 53 S: 61 | | |
| 607-633-00-7 | trisodium 5-[[4-chloro-6-(1-naphthylamino)-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[(<i>E</i>)-(4-methoxy-2-sulfonatophenyl)diazanyl]-2,7-naphthalenedisulfonate | | 440-480-2 | 341026-59-3 | Xi; R41 R43 | Xi R: 41-43 S: (2-)22-24-26-37/39 | | |
| 607-634-00-2 | (<i>S</i>)-(-)-2-acetoxypropionylchloride; (1 <i>S</i>)-2-chloro-1-methyl-2-oxoethyl acetate | | 420-610-4 | 36394-75-9 | Xn; R22 C; R34 R43 | C R: 22-34-43 S: (1/2-)23-26-36/37/39-45 | | |
| 607-635-00-8 | trisodium <i>N</i> -(3-propionato)- <i>L</i> -aspartate | | 422-090-4 | 172737-80-3 | Xi; R41 | Xi R: 41 S: (2-)26-39 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|---|---|----------------------|-------------------------------|
| 607-636-00-3 | 1-bromo-2-methylpropyl propionate | | 422-900-6 | 158894-67-8 | R10 Carc.Cat.3; R40 C; R34 R43 | C R: 10-34-40-43 S: (1/2-)7/9-8-23-26-36/ 37/39-45 | | |
| 607-637-00-9 | disodium 8-amino-5-[4-[2-(sulfonatoethoxy)sulfonyl]-phenylazo]naphthalene-2-sulfonate | | 423-730-5 | 250688-43-8 | Xi; R41 | Xi R: 41 S: (2-)26-39 | | |
| 607-638-00-4 | 2-hydroxybenzoic acid 2-butyl-octyl ester | | 431-090-3 | 190085-41-7 | R53 | R: 53 S: 61 | | |
| 607-639-00-X | 2-(2-oxo-5-(1,1,3,3-tetramethylbutyl)-2,3-dihydro-1-benzofuran-3-yl)-4-(1,1,3,3-tetramethylbutyl)phenyl acetate | | 431-770-1 | 216698-07-6 | R53 | R: 53 S: 61 | | |
| 607-641-00-0 | 2-(formylamino)-3-thiophene-carboxylic acid; 2-formamido-3-thiophenecarboxylic acid | | 431-930-9 | 43028-69-9 | Xn; R22 R43 | Xn R: 22-43 S: (2-)22-24-37 | | |
| 607-642-00-6 | 3,6,9-trithiaundecamethylene-1,11-dimethacrylate | | 432-210-7 | 141631-22-3 | N; R50-53 | N R: 50/53 S: 60-61 | | |
| 607-643-00-1 | dimethyl (2S)-2-hydroxysuccinate | | 432-310-0 | 617-55-0 | R10 Xi; R41 R43 | Xi R: 10-41-43 S: (2-)24-26-37/39-43 | | |
| 607-644-00-7 | methyl 2,2-dimethyl-6-methylenecyclohexanecarboxylate | | 432-350-9 | 81752-87-6 | Xi; R38 | Xi R: 38 S: (2-)37 | | |
| 607-645-00-2 | tetrasodium 2-(4-fluoro-6-(methyl-(2-(sulfatoethylsulfonyl)ethyl)amino)-1,3,5-triazin-2-ylamino)-5-hydroxy-6-(4-methyl-2-sulfonatophenylazo)naphthalene-1,7-disulfonate | | 432-550-6 | 243858-01-7 | Xi; R41 | Xi R: 41 S: (2-)22-26-39 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|--------------------------|--|----------------------|-------------------------------|
| 607-646-00-8 | D-erythro-hexanoic acid 2,4-dideoxy-3,5-O-(1-methylethylidene)-1,1-dimethylethylester; <i>tert</i> -butyl 2-[(4 <i>R</i> ,6 <i>S</i>)-6-(hydroxymethyl)-2,2-dimethyl-1,3-dioxan-4-yl]acetate | | 432-960-5 | 124655-09-0 | Xn; R22 | Xn R: 22 S: (2-)25 | | |
| 607-647-00-3 | 5-acetoxy-2-(<i>R,S</i>)butyryloxy-methyl-1,3-oxathiolane | | 433-530-1 | 143446-73-5 | Xn; R22 R43 N; R50 | Xn; N R: 22-43-50 S: (2-)24-37-57-61 | | |
| 607-649-00-4 | [3-(chlorocarbonyl)-2-methylphenyl]acetate | | 433-690-0 | 167678-46-8 | C; R35 R43 | C R: 35-43 S: (1/2-)7/8-26-36/37/39-45 | | |
| 607-650-00-X | 2-methyl-1,5-pentanediamine-1,3-benzenedicarboxylate | | 433-910-5 | 145153-52-2 | R43 | Xi R: 43 S: (2-)24-37 | | |
| 607-651-00-5 | sodium 2-(nonanoyloxy)benzenesulfonate | | 434-360-9 | 91125-43-8 | Xi; R41 R43 | Xi R: 41-43 S: (2-)24-26-37/39 | | |
| 607-652-00-0 | ethyl N ² -dodecanoyl-L-argininate hydrochloride | | 434-630-6 | 60372-77-2 | Xi; R41 N; R50 | Xi; N R: 41-50 S: (2-)26-39-61 | | |
| 607-653-00-6 | tetrakis(bis(2-hydroxyethyl)methylammonium) 3-(4-(7-acetylamino-1-hydroxy-3-sulfonatophthalen-2-ylazo)-5-methoxy-2-sulfonatophenylazo)-7-(4-amino-3-sulfonatophenylamino)-4-hydroxynaphthalene-2-sulfonate | | 434-840-8 | 225786-91-4 | N; R51-53 | N R: 51/53 S: 61 | | |
| 607-654-00-1 | (<i>S</i>)-3-hydroxy- γ -butyrolactone | | 434-990-4 | 7331-52-4 | R43 | Xi R: 43 S: (2-)23-24-37 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|-------------------|---|----------------------|-------------------------------|
| 607-655-00-7 | ethyl 6,8-dichlorooctanoate | | 435-080-1 | 1070-64-0 | R43 N; R51-53 | Xi; N R: 43-51/53 S: (2-)24-37-61 | | |
| 607-656-00-2 | sodium salt of 4-amino-3,6-bis[[5-[[4-chloro-6-[(2-methyl-4-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-2,7-naphthalenedisulfonic acid | | 435-350-7 | 141250-43-3 | Xi; R41 R52-53 | Xi R: 41-52/53 S: (2-)22-26-39-61 | | |
| 607-657-00-8 | pentasodium 7-(4-(4-(3-(2-sulfa-toethanesulfonyl)phenylamino)-6-(4-(2-sulfa-toethanesulfonyl)phenylamino)-1,3,5-triazin-2-ylamino)-2-ureidophenylazo)naphthalene-1,3,6-trisulfonate | | 436-920-8 | 172399-10-9 | Xi; R41 | Xi R: 41 S: (2-)22-26-39 | | |
| 607-658-00-3 | 3,10-diamino-6,13-dichloro-2-(((6-(((4-(1,1-dimethylethyl)phenyl)sulfonyl)amino)-2-naphthalenyl)sulfonyl)-4,11-triphenodioxazinedisulfonic acid, lithium potassium sodium salt | | 440-770-9 | 371921-63-0 | Xi; R41 R52-53 | Xi R: 41-52/53 S: (2-)26-39-61 | | |
| 607-659-00-9 | pentasodium N-[5-[[4-[[3-(aminocarbonyl)amino]-4-[(3,6,8-trisulfonatonaphthalen-2-yl)azo]phenyl]amino]-6-chloro-1,3,5-triazin-2-yl]amino]-2-sulfonato-4-[[4-[-2-(oxysulfonato)ethyl]sulfonyl]phenyl]azo]phenyl]-3-aminopropanoic acid | | 442-030-0 | 321912-47-4 | Xi; R41 | Xi R: 41 S: (2-)22-26-39 | | |
| 607-660-00-4 | 2-{4-[4-[4-fluoro-6-(2-(2-vinylsulfonylethoxy)ethylamino)-1,3,5-triazin-2-ylamino]phenylazo]phenylazo}naphthalene-4,6,8-trisulfonate, trisodium salt | | 442-230-8 | 321679-52-1 | Xi; R41 | Xi R: 41 S: (2-)22-26-39 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|------------------------|--|----------------------|-------------------------------|
| 607-661-00-X | 1,1-dimethylethyl 4'-(bromo-methyl)biphenyl-2-carboxylate | | 442-850-9 | 114772-40-6 | R43 R53 | Xi R: 43-53 S: (2-)22-24-37-61 | | |
| 607-662-00-5 | methyl 2-(acetylamino)-3-chloropropionate | | 442-860-3 | 87333-22-0 | R43 N; R50-53 | Xi; N R: 43-50/53 S: (2-)24-37-60-61 | | |
| 607-663-00-0 | bis(2-ethylhexyl) naphthalene-2,6-dicarboxylate | | 442-980-6 | 127474-91-3 | R53 | R: 53 S: 61 | | |
| 607-664-00-6 | methyl 2-chlorosulfonyl-4-(methanesulfonylamino-methyl) benzoate | | 443-120-2 | 393509-79-0 | Xi; R41 N; R51-53 | Xi; N R: 41-51/53 S: (2-)26-39-61 | | |
| 607-665-00-1 | <i>trans</i> -methyl-2-ethyl-but-2-enoate | | 443-150-6 | 101226-85-1 | R10 | R: 10 S: 23 | | |
| 607-666-00-7 | (2S)-5-(benzyloxy)-2-(1,3-dioxo-1,3-dihydro-2H-isindol-2-yl)-5-oxopentanoic acid | | 443-560-5 | 88784-33-2 | Xi; R36 | Xi R: 36 S: (2-)26 | | |
| 607-667-00-2 | chloro-1-ethylcyclohexyl carbonate | | 444-950-8 | 99464-83-2 | Muta.Cat.3; R68 R43 | Xn R: 43-68 S: (2-)23-36/37 | | |
| 607-668-00-8 | <i>trans</i> -2-isopropyl-5-carboxy-1,3-dioxane | | 445-770-2 | 42031-28-7 | Xi; R41 R52-53 | Xi R: 41-52/53 S: (2-)22-26-39-61 | | |
| 607-669-00-3 | methyl (9-acetoxy-3,8,10-triethyl-7,8,10-trimethyl-1,5-dioxa-9-aza-spiro[5.5]undec-3-yl)octadecanoate | | 445-990-9 | 376588-17-9 | R43 R53 | Xi R: 43-53 S: (2-)24-37-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|---|--|---|-------------------------------|
| 607-670-00-9 | dibutyl-3-(4-(5-ammonio-2-butyl)benzofuran-3-yl)carbonyl)phenoxy)propyl ammonium oxalate; (5-amino-2-butyl)benzofuran-3-yl) [4-(3-dibutylaminopropoxy)phenyl]methanone, dioxalate | | 448-700-9 | 500791-70-8 | Xn; R48/22 Xi; R41 R43 N; R50-53 | Xn; N R: 41-43-48/22-50/53 S: (2-)22-26-36/37/39-60-61 | C ≥ 10 %: Xn, N; R41-43-48/22-50/53 5 % ≤ C < 10 %: Xi, N; R36-43-50/53 2,5 % ≤ C < 5 %: Xi, N; R43-50/53 1 % ≤ C < 2,5 %: Xi, N; R43-51/53 0,25 % ≤ C < 1 %: N; R51/53 0,025 % ≤ C < 0,25 %: R52/53 | |
| 607-671-00-4 | diethyl 1,4-cyclohexanedicarboxylate | | 417-310-0 | 72903-27-6 | N; R51-53 | N R: 51/53 S: 61 | | |
| 607-672-00-X | mixture of: 2-hydroxy-3-(methacryloyloxy)propyl (2-benzoyl)benzoate; 1-hydroxymethyl-2-(methacryloyloxy)ethyl (2-benzoyl)benzoate; x-hydroxy-y-(methacryloyloxy)propyl(or -ethyl) (2-benzoyl)benzoate | | 419-000-0 | — | R43 N; R51-53 | Xi; N R: 43-51/53 S: (2-)24-37-61 | | |
| 607-673-00-5 | 1-ethyl-5,6,7,8-tetrahydroquinolinium tosylate | | 419-570-0 | — | Xn; R22 R52-53 | Xn R: 22-52/53 S: (2-)61 | | |
| 607-674-00-0 | branched C ₁₀ -alkyl benzoates | | 421-090-1 | 131298-44-7 | Xn; R20 | Xn R: 20 S: (2-)23 | | |
| 607-675-00-6 | mixture of: <i>cis</i> -9-octadecenedioic acid; <i>cis</i> -9- <i>cis</i> -12-octadecadienedioic acid; hexadecanedioic acid; octadecanedioic acid | | 422-260-8 | — | Xi; R41 N; R50-53 | Xi; N R: 41-50/53 S: (2-)26-39-60-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|--------|------------------------------|---|----------------------|-------------------------------|
| 607-676-00-1 | mixture of: 2-methylnonanedioic acid; 2,4-dimethyl-4-methoxycarbonylundecanedioic acid; 2,4,6-trimethyl-4,6-dimethoxycarbonyltridecanedioic acid; 8,9-dimethyl-8,9-dimethoxycarbonylhexadecanedioic acid | | 423-670-1 | — | Xi; R41 R43 | Xi R: 41-43 S: (2-)24-26-37/39 | | |
| 607-677-00-7 | 2,5-dioxopyrrolidin-1-yl N-[[methyl[[2-(1-methylethyl)-4-thiazolyl]methyl]amino]-carbonyl]-L-valinate | | 424-660-8 | — | Xn; R48/22 Xi; R41 R43 | Xn R: 41-43-48/22 S: (2-)22-26-36/37/39 | | |
| 607-678-00-2 | mixture of: ethyl (2R,3R)-3-isopropylbicyclo[2.2.1]hept-5-ene-2-carboxylate; ethyl (2S,3S)-3-isopropylbicyclo[2.2.1]hept-5-ene-2-carboxylate | | 427-090-8 | — | R43 N; R51-53 | Xi; N R: 43-51/53 S: (2-)23-25-36/37-61 | | |
| 607-679-00-8 | mixture of: 3-{5-[3-(4-{1,6-dihydro-2-hydroxy-4-methyl-1-[3-(methylammonio)propyl]-6-oxo-3-pyridylazo}benzamido)phenylazo]-1,2-dihydro-6-hydroxy-4-methyl-2-oxo-1-pyridyl}propyl(methyl)ammonium di(acetate); 3-{5-[4-(3-{1,6-dihydro-2-hydroxy-4-methyl-1-[3-(methylammonio)propyl]-6-oxo-3-pyridylazo}benzamido)phenylazo]-1,2-dihydro-6-hydroxy-4-methyl-2-oxo-1-pyridyl}propyl(dimethyl)ammonium di(acetate); 3-{5-[3-(4-{1-[3-(dimethylammonio)propyl]-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-3-pyridylazo}benzamido)phenylazo]-1,2-dihydro-6-hydroxy-4-methyl-2-oxo-1-pyridyl}propyl(dimethyl)ammonium di(acetate) | | 431-440-5 | — | Xi; R41 N; R51-53 | Xi; N R: 41-51/53 S: (2-)22-26-39-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|------------------|---|----------------------|-------------------------------|
| 607-680-00-3 | <i>tert</i> -butyl(6-(2-[4-(4-fluorophenyl)-6-isopropyl-2-[methyl(methylsulfonyl)amino]pyrimidin-5-yl]vinyl})(4 <i>S</i> ,6 <i>S</i>)-2,2-dimethyl[1,3]dioxan-4-yl)acetate | | 432-810-9 | — | R53 | R: 53 S: 61 | | |
| 607-681-00-9 | mixture of: 9-nonyl-10-octyl-19-carboxyloxyhexadecylnonadecanoic acid; 9-nonyl-10-octyl-19-carboxyloxyoctadecylnonadecanoic acid; dihexadecyl 9-nonyl-10-octyl-nonadecandioate; 1-octadecyl,19-hexadecyl 9-nonyl-10-octylnonadecandioate; dioctadecyl 9-nonyl-10-octylnonadecandioate | | 432-910-2 | — | R53 | R: 53 S: 61 | | |
| 607-682-00-4 | complex mixture of Chinese gum rosin post reacted with acrylic acid | | 434-230-1 | 144413-22-9 | R53 | R: 53 S: 61 | | |
| 607-683-00-X | mixture of: methyl 3-((1 <i>E</i>)-2-methylprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate; methyl 3-((1 <i>Z</i>)-2-methylprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate (20:80) | | 435-450-0 | — | R43 N; R51-53 | Xi; N R: 43-51/53 S: (2-)24-37-61 | | |
| 607-684-00-5 | alkenes, C ₁₂₋₁₄ , hydroformylation products, distn. residues, C-(hydrogen sulfobutanedioates), disodium salts | | 435-660-2 | 243662-67-1 | Xi; R38 R43 | Xi R: 38-43 S: (2-)24-37 | | |
| 607-685-00-0 | ammonium 2-cocoyloxyethanesulfonate | | 441-050-7 | — | Xi; R38-41 | Xi R: 38-41 S: (2-)26-37/39 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|--------|--------------------------------------|--|----------------------|-------------------------------|
| 607-686-00-6 | 6,6'-bis(diazo-5,5',6,6'-tetrahydro-5,5'-dioxo)[methylene-bis(5-(6-diazo-5,6-dihydro-5-oxo-1-naphthylsulphonyloxy)-6-methyl-2-phenylene)]di(naphthalene-1-sulfonate) | | 441-550-5 | — | E; R2 F; R11 Carc. Cat. 3; R40 | E; Xn R: 2-11-40 S: (2-)7-22-36/37 | | |
| 607-687-00-1 | mixture of: 2-{3,6-bis-[(2-ethylphenyl)-methylamino]-xanthylium-9-yl}-benzenesulfonate (2-10 %); 2-{3,6-bis-[(2,3-dimethylphenyl)-methylamino]-xanthylium-9-yl}-benzenesulfonate (2-10 %); 2-{3,6-bis-[(2,4-dimethylphenyl)-methylamino]-xanthylium-9-yl}-benzenesulfonate (2-10 %); 2-{3,6-bis-[(2,5-dimethylphenyl)-methylamino]-xanthylium-9-yl}-benzenesulfonate (2-10 %); 2-{3-[(2,3-dimethylphenyl)-methylamino]-6-[(2-ethylphenyl)-methylamino]-xanthylium-9-yl}-benzenesulfonate (7-20 %); 2-{3-[(2,4-dimethylphenyl)-methylamino]-6-[(2-ethylphenyl)-methylamino]-xanthylium-9-yl}-benzenesulfonate (7-20 %); 2-{3-[(2,5-dimethylphenyl)-methylamino]-6-[(2-ethylphenyl)-methylamino]-xanthylium-9-yl}-benzenesulfonate (7-20 %); 2-{3-[(2,3-dimethylphenyl)-methylamino]-6-[(2,4-dimethylphenyl)-methylamino]-xanthylium-9-yl}-benzenesulfonate (7-20 %); | | 442-800-6 | — | Xi; R38 N; R51-53 | Xi; N R: 38-51/53 S: (2-)37-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|----------------|-----------------------------|----------------------|-------------------------------|
| | 2-{3-[(2,3-dimethylphenyl)-methylamino]-6-[(2,5-dimethylphenyl)-methylamino]-xanthylum-9-yl}-benzenesulfonate (7-20 %); 2-{3-[(2,4-dimethylphenyl)-methylamino]-6-[(2,5-dimethylphenyl)-methylamino]-xanthylum-9-yl}-benzenesulfonate (7-20 %) | | | | | | | |
| 607-688-00-7 | (R)-1-cyclohexa-1,4-dienyl-1-methoxycarbonyl-methylammoniumchloride | | 444-320-2 | — | Xn; R22 | Xn R: 22 S: (2-) | | |
| 607-689-00-2 | mixture of: methyl 1,4-dimethylcyclohexanecarboxylate ('para-isomer' including <i>cis</i> - and <i>trans</i> - isomers); methyl 1,3-dimethylcyclohexanecarboxylate ('meta-isomer' including <i>cis</i> - and <i>trans</i> -isomers) | | 444-920-4 | — | R52-53 | R: 52/53 S: 61 | | |
| 607-690-00-8 | dimethyl[2S,2S']-6,6,6'-tetramethoxy-2,2'-[N,N'-bis(trifluoroacetyl)-S,S'-bi(L-homocysteinyl) diimino]dihexanoate | | 432-860-1 | 255387-46-3 | R43 | Xi R: 43 S: (2-)24-37 | | |
| 607-691-00-3 | magnesium salts, fatty acids, C ₁₆₋₁₈ and C ₁₈ unsaturated, branched and linear | | 448-690-6 | — | R53 | R: 53 S: 61 | | |
| 607-692-00-9 | zinc salts, fatty acids, C ₁₆₋₁₈ and C ₁₈ unsaturated, branched and linear | | 446-470-4 | — | R53 | R: 53 S: 61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|--|--|----------------------|-------------------------------|
| 607-693-00-4 | hexyl 2-(1-(diethylamino)hydroxyphenyl)methanoyl benzoate | | 443-860-6 | 302776-68-7 | R53 | R: 53 S: 61 | | |
| 607-694-00-X | ethyl 5,5-diphenyl-2-isoxazoline-3-carboxylate | | 443-870-0 | 163520-33-0 | Xn; R22 R43 N; R50-53 | Xn; N R: 22-43-50/53 S: (2-)22-36/37-60-61 | | |
| 608-042-00-7 | (S)-2,2-diphenyl-2-(3-pyrrolidinyl)acetonitrile hydrobromide | | 421-810-4 | 194602-27-2 | Xn; R22 Xi; R41 R43 N; R51-53 | Xn; N R: 22-41-43-51/53 S: (2-)24-26-37/39-61 | | |
| 608-059-00-X | 5-amino-1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-1H-pyrazole-3-carbonitrile | | 421-240-6 | 120068-79-3 | N; R51-53 | N R: 51/53 S: 22-61 | | |
| 608-060-00-5 | 5-methyl-2-[(2-nitrophenyl)amino]-3-thiophenecarbonitrile | | 421-300-1 | 138564-59-7 | N; R50-53 | N R: 50/53 S: 22-60-61 | | |
| 608-062-00-6 | 2-fluoro-4-hydroxybenzonitrile | | 422-810-7 | 82380-18-5 | Xn; R22 Xi; R41 N; R51-53 | Xn; N R: 22-41-51/53 S: (2-)22-26-39-61 | | |
| 608-063-00-1 | (S)- α -hydroxy-3-phenoxy-benzeneacetonitrile | | 441-070-6 | 61826-76-4 | T; R25 Xi; R41 R43 N; R50-53 | T; N R: 25-41-43-50/53 S: (1/2-)9-26-36/37/39-45-60-61 | | |
| 608-064-00-7 | cyanomethyltrimethylammoniummethylsulfate | | 433-720-2 | — | R52-53 | R: 52/53 S: 61 | | |
| 609-069-00-7 | musk ketone; 3,5-dinitro-2,6-dimethyl-4- <i>tert</i> -butylacetophenone; 4'- <i>tert</i> -butyl-2',6'-dimethyl-3',5'-dinitroacetophenone | | 201-328-9 | 81-14-1 | Carc. Cat. 3; R40 N; R50-53 | Xn; N R: 40-50/53 S: (2-)36/37-46-60-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|--|--|----------------------|-------------------------------|
| 611-154-00-9 | trisodium 5-benzamido-4-hydroxy-3-(4-methyl-2-sulfonatophenylazo)naphthalene-2,7-disulfonate | | 403-670-6 | 92408-46-3 | R52-53 | R: 52/53 S: 61 | | |
| 611-155-00-4 | 4,4'-oxybis(benzenesulfonylazide) | | 431-850-4 | 7456-68-0 | E; R3 F; R11 Xn; R48/22 N; R50-53 | E; Xn; N R: 3-11-48/22-50/53 S: (2-)14-22-33-35-36-60-61 | | |
| 611-156-00-X | triammonium 4-[4-[7-(4-carboxylatoanilino)-1-hydroxy-3-sulfonato-2-naphthylazo]-2,5-dimethoxyphenylazo]benzoate | | 432-270-4 | 221354-37-6 | Repr. Cat. 3; R62 Xn; R48/22 N; R51-53 | Xn; N R: 48/22-62-51/53 S: (2-)36/37-61 | | |
| 611-157-00-5 | benzenesulfonic acid, 3,3'-(methylenebis((dihydroxyphenyl)ene)azo))bis-, potassium sodium salt; potassium sodium 3-[(E)-(6-{3,4-dihydroxy-2-[(Z)-(3-sulfonatophenyl)diazenyl]benzyl}-2,3-dihydroxyphenyl)diazenyl]benzenesulfonate | | 432-590-4 | 243869-48-9 | Xi; R36 R52-53 | Xi R: 36-52/53 S: (2-)26-61 | | |
| 611-158-00-0 | reaction mixture of: 2,3,4,2',3',4'-hexahydroxy-5,5'-diacetyl-diphenylmethane and 6-diazo-5,6-dihydro-5-oxo-1-naphthalenesulfonylchloride and 3-diazo-3,4-dihydro-6-methoxy-4-oxo-1-naphthalenesulfonylchloride | | 421-520-8 | — | F; R11 R53 | F R: 11-53 S: (2-)3-12-16-33-61 | | |
| 611-159-00-6 | disodium 4-amino-6-((4-((4-(2,4-diaminophenyl)azo)phenylsulfamoyl)phenyl)azo)-5-hydroxy-3-((4-nitrophenyl)azo)naphthalene-2,7-disulfonate | | 421-880-6 | — | Xi; R41 R52-53 | Xi R: 41-52/53 S: (2-)26-39-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|--------|---------------------------------|---|----------------------|-------------------------------|
| 611-160-00-1 | mixture of: 1,1,1-tris(phenyl-4'-(3''-diazoo-3'',4''-dihydro-4''-oxo-naphthalene-1''-sulfonato)ethane; 1,1,1-tris(phenyl-4'-(6''-diazoo-5'',6''-dihydro-5''-oxo-naphthalene-1''-sulfonato)ethane; reaction product of 1,1,1-tris(p-hydroxyphenyl)ethane with 6-diazo-5,6-dihydro-5-oxo-1-naphthylsulfonylchloride and 3-diazo-3,4-dihydro-4-oxo-1-naphthylsulfonylchloride (2:1); reaction product of 1,1,1-tris(p-hydroxyphenyl)ethane with 6-diazo-5,6-dihydro-5-oxo-1-naphthylsulfonylchloride and 3-diazo-3,4-dihydro-4-oxo-1-naphthylsulfonylchloride (1:2) | | 422-760-6 | — | F; R11 R53 | F R: 11-53 S: (2-)3-12-33-61 | | |
| 611-161-00-7 | trisodium [1,2'-(2-(8-amino-3,5-disulfonatophthalene)azo)-(4'-nitrobenzene)diolato-O,O,N][(Z)-2,2-(phenyl-carbamoylprop-1'-enyl)azo)-5-sulfamoylbenzene]diolato-O,O,N]chromate(III) | | 423-100-1 | — | Xi; R41 | Xi R: 41 S: (2-)26-39 | | |
| 611-162-00-2 | 2,4-bis(((2-(dimethylammonio)ethoxy)carbonyl)phen-2-ylazo)benzene-1,3-diolbis(methanesulfonate) | | 429-600-4 | — | Xn; R22 Xi; R41 N; R51-53 | Xn; N R: 22-41-51/53 S: (2-)22-26-39-61 | | |
| 611-163-00-8 | 2,4-bis(((2-(dimethylammonio)ethoxy)carbonyl)phen-2-ylazo)benzene-1,3-diol sulfate | | 429-610-9 | — | Xn; R22 Xi; R41 N; R51-53 | Xn; N R: 22-41-51/53 S: (2-)22-26-39-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|--------|---|---|----------------------|-------------------------------|
| 611-164-00-3 | mixture of: 2,2'-dimethyl-2,2'-azobutanenitrile; 2-methylpentanenitrile-2-azo-2'-(2'-methylpropanenitrile); 2,2'-dimethyl-2,2'-azoheptanenitrile; 2-methylheptanenitrile-2-azo-2'-(2'-methylpropanenitrile); 2-methylheptanenitrile-2-azo-2'-(2'-methylbutanenitrile) | | 429-710-2 | — | R10 R32 R44 Xn; R22 N; R51-53 | Xn; N R: 10-22-32-44-51/53 S: (2-)12-15-16-47-51-61 | | |
| 611-165-00-9 | mixture of: tetrasodium 4-amino-6-(5-(2,6-difluoropyrimidin-4-ylamino)-2-sulfonatophenylazo)-5-hydroxy-3-(4-(sulfatoethylsulfonyl)phenylazo)naphthalene-2,7-disulfonate; tetrasodium 4-amino-6-(5-(4,6-difluoropyrimidin-2-ylamino)-2-sulfonatophenylazo)-5-hydroxy-3-(4-(2-sulfatoethylsulfonyl)phenylazo)naphthalene-2,7-disulfonate | | 431-830-5 | — | R52-53 | R: 52/53 S: 61 | | |
| 611-166-00-4 | mixture of: pentasodium 4-amino-5-hydroxy-3-((E)-4-[2-(sulfonatooxy)ethylsulfonyl]phenylazo)-6-((E)-2-sulfonato-4-[2-(sulfonatooxy)ethylsulfonyl]phenylazo)naphthalene-2,7-disulfonate; tetrasodium 4-amino-5-hydroxy-3-((E)-4-[2-(sulfonatooxy)ethylsulfonyl]phenylazo)-6-[(E)-2-sulfonato-4-(vinylsulfonyl)phenylazo]naphthalene-2,7-disulfonate; tetrasodium 4-amino-5-hydroxy-6-((E)-2-sulfonato-4-[2-(sulfonatooxy)ethylsulfonyl]phenylazo)-3-[(E)-4-(vinylsulfonyl)phenylazo]naphthalene-2,7-disulfonate | | 432-100-9 | — | Xi; R41 R52-53 | Xi R: 41-52/53 S: (2-)26-39-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|--------|----------------|--------------------------------|----------------------|-------------------------------|
| 611-167-00-X | sodium bis[tris(2-hydroxyethyl)-ammonium][6-anilino-4'-(4,8-disulfonato-2-naphthylazo)-5'-methyl-3-sulfonatophthalene-2-azobenzene-1,2'-diolato] cuprate(II) | | 435-240-9 | — | R52-53 | R: 52/53 S: 61 | | |
| 611-168-00-5 | mixture of: 3-[[4-chloro-6-[[7-(1,5-disulfo-2-naphthalenyl)azo]-8-hydroxy-3,6-disulfo-1-naphthalenyl]amino]-1,3,5-triazin-2-yl]amino]-5-[[4-chloro-6-[[8-hydroxy-3,6-disulfo-7-[(2-sulfohenyl)azo]-1-naphthalenyl]amino]-1,3,5-triazin-2-yl]amino]benzoic acid; 3,5-bis[[4-chloro-6-[[7-(1,5-disulfo-2-naphthalenyl)azo]-8-hydroxy-3,6-disulfo-1-naphthalenyl]amino]-1,3,5-triazin-2-yl]amino]benzoic acid | | 435-440-6 | — | Xi; R41 | Xi R: 41 S: (2-)22-26-39 | | |
| 611-169-00-0 | sodium 5-(2-carboxyphenylazo)-6-hydroxynaphthalene-2-sulfonate | | 435-800-2 | — | R52-53 | R: 52/53 S: 61 | | |
| 611-170-00-6 | mixture of: trisodium 2-((1-(2-hydroxy-κ-O-5-(2-sulfonatoethansulfonyl)phenylazo-κ-N ²)-1-phenylmethyl)azo-κ-N ¹)-4-sulfonatobenzoate(5-)-κ-O)cuprate(II); disodium 2-((1-(5-ethenesulfonyl-2-hydroxy-κ-O-phenylazo-κ-N ²)-1-phenylmethyl)azo-κ-N ¹)-4-sulfonatobenzoate-κ-O-(5-))cuprate(II) | | 435-880-9 | — | R52-53 | R: 52/53 S: 22-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|--------|---|--|----------------------|-------------------------------|
| 611-171-00-1 | mixture of: trisodium 3-(5-(2,6-difluoropyrimidin-4-ylamino)-2-sulfonatophenylazo)-5-(4-fluoro-6-morpholin-4-yl-1,3,5-triazin-2-ylamino)-4-hydroxy-2,7-naphthalenedisulfonate; trisodium 3-(5-(4,6-difluoropyrimidin-2-ylamino)-2-sulfonatophenylazo)-5-(4-fluoro-6-morpholin-4-yl-1,3,5-triazin-2-ylamino)-4-hydroxy-2,7-naphthalenedisulfonate | | 436-890-6 | — | Xi; R41 R52-53 | Xi R: 41-52/53 S: (2-)22-26-39-61 | | |
| 611-172-00-7 | mixture of: triammonium 6-amino-3-((2,5-diethoxy-4-(3-phosphonophenyl)azo)phenyl)azo-4-hydroxy-2-naphthalenesulfonate; diammonium 3-((4-((7-amino-1-hydroxy-3-sulfo-naphthalen-2-yl)azo)-2,5-diethoxyphenyl)azo)benzoate | | 438-310-7 | — | E; R2 Repr. Cat. 3; R62 Xn; R22-48/22 R52-53 | E; Xn R: 2-22-48/22-62-52/53 S: (2-)22-35-36/37-61 | | |
| 611-173-00-2 | mixture of: 3-[3-carbamoyl-5-(5-{4-chloro-6-[4-(2-sulfonatoxyethylsulfonyl)anilino]-1,3,5-triazin-2-ylamino)-2-sulfonatophenylazo)-1,2-dihydro-6-hydroxy-4-methyl-2-oxo-1-pyridyl]propanoic acid, trisodium salt; 3-[3-carbamoyl-5-(5-{4-chloro-6-[4-(vinylsulfonyl)anilino]-1,3,5-triazin-2-ylamino)-2-sulfonatophenylazo)-1,2-dihydro-6-hydroxy-4-methyl-2-oxo-1-pyridyl]propanoic acid, disodium salt | | 440-510-4 | — | Xi; R41 R43 | Xi R: 41-43 S: (2-)22-26-36/37/39 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|-------------------|---|----------------------|-------------------------------|
| 611-174-00-8 | mixture of: 3-[5-(4-ethenesulfonylbutyrylamino)-2-sulfophenylazo]-5-[4-chloro-[6-(4-(3-amino-5-hydroxy-2,7-disulfonaphthalene-4-ylazo)-3-sulphenylamino)-1,3,5-triazin-2-ylamino]-4-hydroxynaphthalene-2,7-disulfonic acid, sodium salt; 3-[5-(4-(2-chloroethanesulfonyl)butyrylamino)-2-sulfophenylazo]-5-[4-chloro-[6-(4-(3-amino-5-hydroxy-2,7-disulfonaphthalene-4-ylazo)-3-sulphenylamino)-1,3,5-triazin-2-ylamino]-4-hydroxynaphthalene-2,7-disulfonic acid, sodium salt | | 442-290-5 | 457624-86-1 | Xi; R41 | Xi R: 41 S: (2-)22-26-39 | | |
| 611-175-00-3 | mixture of: trisodium 5-[4-chloro-6-[N-ethyl-(3-(2-sulfonatooxy)ethylsulfonyl)anilino]-1,3,5-triazin-2-ylamino]-4-hydroxy-3-[4-(vinylsulfonyl)phenylazo]naphthalene-2,7-disulfonate; trisodium 5-[4-chloro-6-[N-ethyl-3-(vinylsulfonyl)anilino]-1,3,5-triazin-2-ylamino]-4-hydroxy-3-[4-(2-(sulfonatooxy)ethylsulfonyl)phenylazo]naphthalene-2,7-disulfonate; disodium 5-[4-chloro-6-[N-ethyl-3-(vinylsulfonyl)anilino]-1,3,5-triazin-2-ylamino]-4-hydroxy-3-[4-(vinylsulfonyl)phenylazo]naphthalene-2,7-disulfonate; tetrasodium 5-[4-chloro-6-[N-ethyl-3-(2-(sulfonatooxy)ethylsulfonyl)anilino]-1,3,5-triazin-2-ylamino]-3-[4-(2-(sulfonatooxy)ethylsulfonyl)phenylazo]-4-hydroxynaphthalene-2,7-disulfonate | | 444-050-5 | — | Xi; R41 R52-53 | Xi R: 41-52/53 S: (2-)22-26-39-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|------------------------------|--|----------------------|-------------------------------|
| 611-176-00-9 | 2,6-bis(2,3,4-trihydroxybenzyl)- <i>p</i> -cresol ester with 6-diazo-5,6-dihydro-5-oxo-1-naphthalene-sulfonate | | 444-250-2 | — | E; R2 F; R11 N; R51-53 | E; N R: 2-11-51/53 S: (2-)22-61 | | |
| 611-177-00-4 | mixture of: pentasodium bis[6-anilino-3,5'-disulfonato-naphthalene-2-azobenzene-1,2'-diolato]cobaltate(III); tetrasodium [6-anilino-3,5'-disulfonato-naphthalene-2-azobenzene-1,2'-diolato][6-anilino-5'-sulfamoyl-3-sulfonato-naphthalene-2-azobenzene-1,2'-diolato]cobaltate(III); trisodium bis[6-anilino-5'-sulfamoyl-3-sulfonato-naphthalene-2-azobenzene-1,2'-diolato]cobaltate(III) | | 444-290-0 | 508202-43-5 | Xi; R41 R43 R52-53 | Xi R: 41-43-52/53 S: (2-)22-24-26-37/39-61 | | |
| 611-178-00-X | mixture of: pentasodium 4-amino-5-hydroxy-3-((E)-4-[2-(sulfonatooxy)ethylsulfonyl]phenylazo)-6-((E)-2-sulfonato-4-[2-(sulfonatooxy)ethylsulfonyl]phenylazo)naphthalene-2,7-disulfonate; tetrasodium 4-amino-5-hydroxy-3-((E)-4-[2-(sulfonatooxy)ethylsulfonyl]phenylazo)-6-[(E)-2-sulfonato-4-(vinylsulfonyl)phenylazo]naphthalene-2,7-disulfonate; tetrasodium 4-amino-5-hydroxy-6-[(E)-2-sulfonato-4-[2-(sulfonatooxy)ethylsulfonyl]phenylazo]-3-[(E)-4-(vinylsulfonyl)phenylazo]naphthalene-2,7-disulfonate; | | 445-280-9 | — | Xi; R41 R43 R52-53 | Xi R: 41-43-52/53 S: (2-)24-26-37/39-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|--------|----------------|---|----------------------|-------------------------------|
| | trisodium 4-amino-5-hydroxy-3-[(E)-4-(vinylsulfonyl)phenylazo]-6-[(E)-2-sulfonato-4-(vinylsulfonyl)phenylazo]naphthalene-2,7-disulfonate; trisodium 4-amino-5-hydroxy-3-[(2-hydroxyethylsulfonyl)phenylazo]-6-[(E)-2-sulfonato-4-(vinylsulfonyl)phenylazo]naphthalene-2,7-disulfonate; trisodium 4-amino-5-hydroxy-3-[(E)-4-(vinylsulfonyl)phenylazo]-6-[2-sulfonato-4-(2-hydroxyethylsulfonyl)phenylazo]naphthalene-2,7-disulfonate | | | | | | | |
| 611-179-00-5 | mixture of: pentasodium 2-[[8-[[4-chloro-6-[[4-(2-sulfonatoethylsulfonyl)]phenyl]amino]-1,3,5-triazin-2-yl]amino-1-hydroxy-3,6-disulfonato-2-naphthalenyl]azo]naphthalene-1,5-disulfonate; 2-[[8-[[4-chloro-6-[[4-[[2-ethenyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-1-hydroxy-3,6-disulfonato-2-naphthalenyl]azo]naphthalene-1,5-disulfonate | | 450-010-8 | — | Xi; R41 R43 | Xi R: 41-43 S: (2-)22-24-26-37/39 | | |
| 611-180-00-0 | iron, complexes with diazotised 4-aminobenzenesulfonamide,-diazotised 3-aminobenzenesulfonic acid, diazotised 3-amino-4-hydroxybenzenesulfonamide,diazotised 3-amino-4-hydroxy-N-phenylbenzenesulfonamide, diazotised 5-amino-2-(phenylamino)benzenesulfonic acid and resorcinol, sodium salts | | 417-850-7 | — | N; R51-53 | N R: 51/53 S: 22-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|---|--|--|--|---|-------------------------------|
| 612-238-00-8 | (3-chloro-2-hydroxypropyl) trimethylammonium chloride ... % | B | 222-048-3 | 3327-22-8 | Carc. Cat. 3, R40 R52-53 | Xn R: 40-52/53 S: 36/37-61 | | |
| 612-239-00-3 | biphenyl-3,3',4,4'-tetrayl-tetraamine; diaminobenzidine | | 202-110-6 | 91-95-2 | Carc. Cat. 2; R45 Muta. Cat. 3; R68 | T R: 45-68 S: 53-45 | | |
| 612-240-00-9 | pyrimethanil (ISO); N-(4,6-dimethylpyrimidin-2-yl)aniline | | — | 53112-28-0 | N; R51-53 | N R: 51/53 S: 61 | | |
| 612-241-00-4 | piperazine hydrochloride; [1] piperazine dihydrochloride; [2] piperazine phosphate [3] | | 228-042-7 [1] 205-551-2 [2] 217-775-8 [3] | 6094-40-2 [1] 142-64-3 [2] 1951-97-9 [3] | Repr. Cat. 3; R62-63 Xi; R36/38 R42/43 R52-53 | Xn R: 36/38-42/43-62-63-52/53 S: (1/2-)22-36/37-45-63-61 | | |
| 612-242-00-X | cyprodinil (ISO); 4-cyclopropyl-6-methyl-N-phenylpyrimidin-2-amine | | — | 121552-61-2 | R43 N; R50-53 | Xi; N R: 43-50/53 S: (2-)24-37-46-60-61 | C ≥ 2,5 %: Xi, N; R43-50/53 1 % ≤ C < 2,5 %: Xi, N; R43-51/53 0,25 % ≤ C < 1 %: N; R51/53 0,025 % ≤ C < 0,25 %: R52/53 | |
| 612-243-00-5 | (1S-cis)-4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl-1-naphthalenamine 2-hydroxy-2-phenylacetate | | 420-560-3 | 79617-97-3 | Xi; R41 N; R50-53 | Xi; N R: 41-50/53 S: (2-)26-39-60-61 | C ≥ 10 %: Xi, N; R41-50/53 5 % ≤ C < 10 %: Xi, N; R36-50/53 2,5 % ≤ C < 5 %: N; R50/53 0,25 % ≤ C < 2,5 %: N; R51/53 0,025 % ≤ C < 0,25 %: R52/53 | |
| 612-244-00-0 | 3-(piperazin-1-yl)-benzo[d]isothiazole hydrochloride | | 421-310-6 | 87691-88-1 | Repr. Cat. 3; R62 Xn; R22 Xi; R36 R43 N; R50-53 | Xn; N R: 22-36-43-62-50/53 S: (2-)22-26-36/37/39-60-61 | | |
| 612-245-00-6 | 2-ethylphenylhydrazine hydrochloride | | 421-460-2 | 19398-06-2 | Carc. Cat. 3; R40 T; R48/25 Xn; R22 Xi; R41 R43 N; R50-53 | T; N R: 22-40-41-43-48/25-50/53 S: (1/2-)22-26-36/37/39-45-60-61 | C ≥ 25 %: T, N; R22-40-41-43-48/25-50/53 10 % ≤ C < 25 %: T, N; R40-41-43-48/25-50/53 5 % ≤ C < 10 %: Xn, N; R36-40-43-48/22-50/53 2,5 % ≤ C < 5 %: Xn, N; R40-43-48/22-50/53 1 % ≤ C < 2,5 %: Xn, N; R40-43-48/22-51/53 0,25 % ≤ C < 1 %: N; R51/53 0,025 % ≤ C < 0,25 %: R52/53 | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|---|--|----------------------|-------------------------------|
| 612-246-00-1 | (2-chloroethyl)(3-hydroxypropyl)ammonium chloride | E | 429-740-6 | 40722-80-3 | Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R48/22 R43 R52-53 | T R: 45-46-43-48/22-52/53 S: 53-45-61 | | |
| 612-247-00-7 | N-[3-(1,1-dimethylethyl)-1H-pyrazol-5-yl]-N'-hydroxy-4-nitrobenzenecarboximidamide | | 423-530-8 | 152828-23-4 | T; R48/25 Xn; R22 R52-53 | T R: 22-48/25-52/53 S: (1/2-)22-36-45-61 | | |
| 612-248-00-2 | reaction product of diphenylamine, phenothiazine, and alkenes, branched (C ₈₋₁₀ , C ₉ -rich) | | 439-540-0 | — | Xi; R38 R43 R53 | Xi R: 38-43-53 S: (2-)24-37-61 | | |
| 612-249-00-8 | 4-[(3-chlorophenyl)(1H-imidazol-1-yl)methyl]-1,2-benzenediamine dihydrochloride | | 425-030-5 | 159939-85-2 | Repr. Cat. 3; R62 Xn; R22 C; R34 R43 N; R51-53 | C; N R: 22-34-43-62-51/53 S: (1/2-)22-26-36/37/39-45-61 | | |
| 612-250-00-3 | chloro-N,N-dimethylforminium chloride | E | 425-970-6 | 3724-43-4 | R14 Repr. Cat. 2; R61 Xn; R22 C; R35 | T; C R: 61-14-22-35 S: 53-45 | | |
| 612-251-00-9 | cis-1-(3-chloroallyl)-3,5,7-triazol-1-azoniaadamantane chloride | | 426-020-3 | 51229-78-8 | F; R11 Repr. Cat. 3; R63 Xn; R22 Xi; R38 R43 N; R51-53 | F; Xn; N R: 11-22-38-43-63-51/53 S: (2-)7-22-33-36/37-61 | | |
| 612-252-00-4 | imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylideneamine | | 428-040-8 | 138261-41-3 | Xn; R22 N; R50-53 | Xn; N R: 22-50/53 S: (2-)22-57-60-61 | | |
| 612-253-00-X | 7-methoxy-6-(3-morpholin-4-yl-propoxy)-3H-quinazolin-4-one; [containing < 0,5 % formamide (EC No 200-842-0)] | | 429-400-7 | 199327-61-2 | R52-53 | R: R52/53 S: 61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|--|--|---|-------------------------------|
| 612-253-01-7 | 7-methoxy-6-(3-morpholin-4-yl-propoxy)-3H-quinazolin-4-one; [containing ≥ 0,5 % formamide (EC No 200-842-0)] | | 429-400-7 | 199327-61-2 | Repr. Cat. 2; R61 R52-53 | T R: 61-52/53 S: 53-45-61 | | |
| 612-254-00-5 | reaction products of diisopropanolamine with formaldehyde (1:4) | | 432-440-8 | 220444-73-5 | Carc. Cat. 3; R40 Xn; R22 C; R34 R43 N; R51-53 | C; N R: 22-34-40-43-51/53 S: (1/2-)13-25-26-36/37/ 39-45-61 | | |
| 612-255-00-0 | 1-(3-methoxypropyl)-4-piperidinamine | | 431-950-8 | 179474-79-4 | Xn; R21/22 C; R34 R52-53 | C R: 21/22-34-52/53 S: (1/2-)26-36/37/39-45-61 | | |
| 612-256-00-6 | benzyl(S)-2-[(2'-cyanobiphenyl-4-ylmethyl)pentanoylamino]-3-methylbutyrate | | 427-470-3 | 137864-22-3 | Xn; R22 R43 | Xn R: 22-43 S: (2-)36/37 | | |
| 612-257-00-1 | tripropylammonium dihydrogenphosphate | | 433-700-3 | 35687-90-2 | Xn; R22 | Xn R: 22 S: (2-)22 | | |
| 612-259-00-2 | N-ethyl-3-trimethoxysilyl-2-methyl-propanamine | | 437-720-3 | 227085-51-0 | Xi; R41 | Xi R: 41 S: (2-)26-39 | | |
| 612-261-00-3 | 3,5-dichloro-2-fluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)aniline | | 441-190-9 | 121451-05-6 | Xn; R22 R43 N; R50-53 | Xn; N R: 22-43-50/53 S: (2-)24-37-60-61 | C ≥ 25 %: Xn, N; R22-43-50/53 2,5 % ≤ C < 25 %: Xi, N; R43-50/53 1 % ≤ C < 2,5 %: Xi, N; R43-51/53 0,25 % ≤ C < 1 %: N; R51/53 0,025 % ≤ C < 0,25 %: R52/53 | |
| 612-265-00-5 | bis(2-hydroxyethyl)-(2-hydroxypropyl)ammonium acetate | | 444-360-0 | 191617-13-7 | R52-53 | R: 52/53 S: 61 | | |
| 612-266-00-0 | 3-chloro-4-(3-fluorobenzyloxy)aniline | | 445-590-4 | 202197-26-0 | Muta. Cat. 3; R68 Xn; R22-48/22 N; R50-53 | Xn; N R: 22-48/22-68-50/53 S: (2-)22-36/37-60-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|--------------------------------|---|----------------------|-------------------------------|
| 612-267-00-6 | bis(hydrogenated tallow C ₁₆₋₁₈ -alkyl)hydroxylamine | | 418-370-0 | — | R43 R53 | Xi R: 43-53 S: (2-)36/37-61 | | |
| 612-269-00-7 | mixture of: 1-[di(4-octylphenyl)aminomethyl]-5-methyl-1H-benzotriazole; 1-[di(4-octylphenyl)amino-methyl]-4-methyl-1H-benzotriazole; mixture of: N-[(5-methyl-1H-benzotriazol-1-yl)methyl]-4-octyl-N-(4-octylphenyl)aniline; N-[(4-methyl-1H-benzotriazol-1-yl)methyl]-4-octyl-N-(4-octylphenyl)aniline | | 420-720-2 | — | R53 | R: 53 S: 22-61 | | |
| 612-270-00-2 | (S)-azetidine-2-carboxylic acid 4-cyanobenzylamide hydrochloride | | 433-010-2 | — | Xn; R22 R43 R52-53 | Xn R: 22-43-52/53 S: (2-)22-36/37-61 | | |
| 612-271-00-8 | mixture of: ethyl 2-((4-(5,6-dichlorobenzothiazol-2-ylazo)phenyl)ethylamino)benzoate; ethyl 2-((4-(6,7-dichlorobenzothiazol-2-ylazo)phenyl)ethylamino)benzoate | | 434-970-5 | 160987-57-5 | R53 | R: 53 S: 61 | | |
| 612-272-00-3 | ammonium (η-6-2-(2-(1,2-dicarboxylatoethylamino)ethylamino)butane-1,4-dioato (4-))iron(3+) monohydrate | | 435-210-5 | — | N; R51-53 | N R: 51/53 S: 61 | | |
| 612-273-00-9 | alkyl(rapeseed oil), bis(2-hydroxyethyl)ammonium fluoride | | 435-650-8 | — | Xn; R22 C; R35 N; R50-53 | C; N R: 22-35-50/53 S: (1/2-)26-36/37/39-45-60-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|--|---|--|-------------------------------|
| 612-274-00-4 | (R,S)-1-[2-amino-1(4-methoxyphenyl)ethyl]cyclohexanol acetate | | 445-750-3 | — | Xn; R22 Xi; R41 R43 R52-53 | Xn R: 22-41-43-52/53 S: (2-)22-24-26-37/39-61 | | |
| 612-275-00-X | fatty acids, C ₁₈ -unsatd., dimers, reaction products with 1-piperazineethanamine and tall oil | | 447-880-6 | 206565-89-1 | Xi; R38-41 R43 N; R50-53 | Xi; N R: 38-41-43-50/53 S: (2-)23-26-36/37/39-60-61 | C ≥ 20 %: Xi, N; R38-41-43-50/53 10 % ≤ C < 20 %: Xi, N; R41-43-50/53 5 % ≤ C < 10 %: Xi, N; R36-43-50/53 2,5 % ≤ C < 5 %: Xi, N; R43-50/53 1 % ≤ C < 2,5 %: Xi, N; R43-51/53 0,25 % ≤ C < 1 %: N; R51/53 0,025 % ≤ C < 0,25 %: R52/53 | |
| 612-276-00-5 | 1-amino-4-[(4-amino-2-sulfofenyl)amino]-9,10-dihydro-9,10-dioxo-2-anthracenesulfonic acid, disodium salt, reaction products with 2-[[3-[(4,6-dichloro-1,3,5-triazin-2-yl)ethylamino]phenyl]sulfonyl]ethyl hydrogen sulfate, sodium salts | | 451-430-4 | 500717-36-2 | Xi; R41 R43 R52-53 | Xi R: 41-43-52/53 S: (2-)22-24-26-36/37/39-61 | | |
| 612-277-00-0 | mixture of: 4-amino-3-(4-ethanesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-(2-sulfonatooxyethanesulfonyl)phenylamino]-1,3,5-triazin-2-ylamino}-2-sulfonatophenylazo)naphthalene-2,7-disulfonate potassium/sodium; 4-amino-5-hydroxy-6-(5-{4-chloro-6-[4-(2-sulfonatooxyethanesulfonyl)phenylamino]-1,3,5-triazin-2-ylamino}-2-sulfonatophenylazo)-3-(2-sulfonato-4-(2-sulfonatooxyethanesulfonyl)phenylazo)naphthalene-2,7-disulfonate potassium/sodium | | 451-440-9 | 586372-44-3 | Xi; R41 | Xi R: 41 S: (2-)22-26-39 | | |
| 612-278-00-6 | ethidium bromide; 3,8-diamino-1-ethyl-6-phenylphenantridium bromide | | 214-984-6 | 1239-45-8 | Muta. Cat. 3; R68 T+; R26 Xn; R22 | T+ R: 22-26-68 S: (1/2-)28-36/37-45-63 | | |
| 612-279-00-1 | (R,S)-2-amino-3,3-dimethylbutane amide | | 447-860-7 | 144177-62-8 | Repr. Cat. 3; R62 Xn; R48/22 Xi; R36/38 R43 | Xn R: 36/38-43-48/22-62 S: (2-)22-26-36/37 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|---|---|---|-------------------------------|
| 612-280-00-7 | 3-amino-9-ethyl carbazole; 9-ethylcarbazol-3-ylamine | H | 205-057-7 | 132-32-1 | Carc. Cat. 2; R45 | T R: 45 S: 53-45 | | |
| 613-116-01-4 | tolylfluamid (ISO); dichloro-N-[(dimethylamino)sulphonyl]fluoro-N-(p-tolyl)methanesulphenamide; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm] | | 211-986-9 | 731-27-1 | Xi; R36/37/38 R43 N; R50 | Xi; N R: 36/37/38-43-50 S: (2-)25-36/37-46-61 | C ≥ 20 %: Xi, N; R36/37/38-43-50 2,5 % ≤ C < 20 %: Xi, N; R43-50 1 % ≤ C < 2,5 %: Xi; R43 | |
| 613-280-00-X | tetrahydro-1,3-dimethyl-1H-pyrimidin-2-one; dimethyl propyleneurea | | 230-625-6 | 7226-23-5 | Repr. Cat. 3; R62 Xn; R22 Xi; R41 | Xn R: 22-41-62 S: 26-36/37/39 | | |
| 613-281-00-5 | quinoline | E | 202-051-6 | 91-22-5 | Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xn; R21/22 Xi; R36/38 N; R51-53 | T; N R: 45-21/22-36/38-68-51/53 S: 53-45-61 | | |
| 613-282-00-0 | triticonazole (ISO); (RS)-(E)-5-(4-chlorobenzylidene)-2,2-dimethyl-1-(1H-1,2,4-triazol-1-methyl)cyclopentanol | | — | 131983-72-7 | N; R51-53 | N R: 51/53 S: 61 | | |
| 613-283-00-6 | ketoconazole; 1-[4-[4-[(2SR,4RS)-2-(2,4-dichlorophenyl)-2-(imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]ethanone | E | 265-667-4 | 65277-42-1 | Repr. Cat. 2; R60 T; R25 Xn; R48/22 N; R50-53 | T; N R: 60-25-48/22-50/53 S: 53-45-60-61 | | |
| 613-284-00-1 | metconazole (ISO); (1RS,5RS;1RS,5SR)-5-(4-chlorobenzyl)-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol | | — | 125116-23-6 | Repr. Cat. 3; R63 Xn; R22 N; R51-53 | Xn; N R: 22-63-51/53 S: (2-)36/37-46-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|--------------------------------|----------------------------------|------------------------------|---|----------------------|-------------------------------|
| 613-285-00-7 | 1-hydroxybenzotriazole, anhydrous; [1] 1-hydroxybenzotriazole, monohydrated [2] | | 219-989-7 [1] 219-989-7 [2] | 2592-95-2 [1] 123333-53-9 [2] | E; R2 | E R: 2 S: 16-35 | | |
| 613-286-00-2 | potassium 1-methyl-3-morpholinocarbonyl-4-[3-(1-methyl-3-morpholinocarbonyl-5-oxo-2-pyrazolin-4-ylidene)-1-propenyl]pyrazole-5-olate; [containing < 0,5 % N,N-dimethylformamide (EC No 200-679-5)] | | 418-260-2 | 183196-57-8 | R43 | Xi R: 43 S: (2-)24-37 | | |
| 613-286-01-X | potassium 1-methyl-3-morpholinocarbonyl-4-[3-(1-methyl-3-morpholinocarbonyl-5-oxo-2-pyrazolin-4-ylidene)-1-propenyl]pyrazole-5-olate; [containing ≥ 0,5 % N,N-dimethylformamide (EC No 200-679-5)] | | 418-260-2 | 183196-57-8 | Repr. Cat. 2; R61 R43 | T R: 61-43 S: 53-45 | | |
| 613-287-00-8 | 1-(3-iodo-4-aminobenzyl)-1H-1,2,4-triazole | | 419-540-7 | 160194-26-3 | Xn; R22 R43 N; R51-53 | Xn; N R: 22-43-51/53 S: (2-)24-37-61 | | |
| 613-288-00-3 | 1,3-bis(dimethylcarbamoyl)-imidazolium chloride | | 420-930-4 | 135756-61-5 | Xn; R22 Xi; R41 R52-53 | Xn R: 22-41-52/53 S: (2-)22-26-37/39-61 | | |
| 613-289-00-9 | 3-(4-chloro-2-fluoro-5-methylphenyl)-1-methyl-5-(trifluoromethyl)-1H-pyrazole | | 432-020-4 | 142623-48-1 | N; R50-53 | N R: 50/53 S: 60-61 | | |
| 613-290-00-4 | 4-hydroxy-7-(2-aminoethyl)-1,3-benzothiazol-2(3H)-one hydrochloride | | 432-470-1 | 189012-93-9 | Xi; R41 R43 N; R50-53 | Xi; N R: 41-43-50/53 S: (2-)24-26-37/39-60-61 | | |
| 613-291-00-X | 2,4-dihydro-4-(4-(4-(4-hydroxyphenyl)-1-piperazinyl)phenyl)-2-(1-methylpropyl)-3H-1,2,4-triazol-3-one | | 434-820-9 | 106461-41-0 | Xn; R48/22 N; R50-53 | Xn; N R: 48/22-50/53 S: (2-)22-36-60-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|------------------------------------|---|----------------------|-------------------------------|
| 613-292-00-5 | <i>N,N',N''</i> -tris(2-methyl-2,3-epoxypropyl)-perhydro-2,4,6-oxo-1,3,5-triazine | | 435-010-8 | 26157-73-3 | Muta. Cat. 3; R68 R52-53 | Xn R: 68-52/53 S: (2-)36/37-61 | | |
| 613-293-00-0 | 2-(4- <i>tert</i> -butylphenyl)-6-cyano-5-[bis(ethoxycarbonylmethyl)-carbamoyloxy]-1 <i>H</i> -pyrrolo[1,2- <i>b</i>][1,2,4] triazole-7-carboxylic acid 2,6-di- <i>tert</i> -butyl-4-methyl-cyclohexylester | | 448-050-6 | 444065-11-6 | R53 | R: 53 S: 61 | | |
| 613-294-00-6 | 2-hexyldecanoic acid [4-(6- <i>tert</i> -butyl-7-chloro-1 <i>H</i> -pyrazolo[1,5- <i>b</i>][1,2,4]triazol-2-yl)phenylcarbamoyl]methylester | | 448-260-8 | 379268-96-9 | R53 | R: 53 S: 61 | | |
| 613-295-00-1 | 11-amino-3-chloro-6,11-dihydro-5,5-dioxo-6-methyl-dibenzo[<i>c,f</i>][1,2]thiazepine hydrochloride | | 448-720-8 | 363138-44-7 | Xn; R22 Xi; R41 R52-53 | Xn R: 22-41-52/53 S: (2-)22-26-39-61 | | |
| 613-296-00-7 | pentapotassium 2-(4-(5-[1-(2,5-disulfonatophenyl)-4,5-dihydro-3-methylcarbamoyl-5-oxopyrazol-4-ylidene]-3-methyl-1,3-pentadienyl)-3-methylcarbamoyl-5-oxidopyrazol-1-yl)benzene-1,4-disulfonate | | 418-270-7 | — | R43 R52-53 | Xi R: 43-52/53 S: (2-)24-37-47-61 | | |
| 613-297-00-2 | 5-(2-bromophenyl)-2- <i>tert</i> -butyl-2 <i>H</i> -tetrazole | | 420-820-6 | — | R10 Xn; R22 N; R51-53 | Xn; N R: 10-22-51/53 S: (2-)16-61 | | |
| 613-298-00-8 | bis-(6-hydroxy-4-methyl-5-(3-methylimidazolium-1-yl)-3-(4-phenylazo)-1 <i>H</i> -pyridin-2-one)ethylene dilactate | | 421-560-6 | — | Xn; R48/22 Xi; R41 N; R51-53 | Xn; N R: 41-48/22-51/53 S: (2-)22-26-36/39-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|--------|----------------|-----------------------------------|----------------------|-------------------------------|
| 613-299-00-3 | main component 1 (isomer 1): 2-{6-fluoro-4-[3-(2,5-disulfo-phenylazo)-4-hydroxy-2-sulfonaphth-7-ylamino]-1,3,5-triazin-2-ylamino}-3-(6-fluoro-4-[3-(1,5-disulfonaphth-2-ylazo)-4-hydroxy-2-sulfonaphth-7-ylamino]-1,3,5-triazin-2-ylamino)-propane sodium salt; main component 1 (isomer 2): 2-{6-fluoro-4-[3-(2,5-disulfo-phenylazo)-4-hydroxy-2-sulfonaphth-7-ylamino]-1,3,5-triazin-2-ylamino}-3-(6-fluoro-4-[3-(2,5-disulfo-phenylazo)-4-hydroxy-2-sulfonaphth-7-ylamino]-1,3,5-triazin-2-ylamino)-propane sodium salt; main component 2: 2,3-bis-{6-fluoro-4-[3-(2,5-disulfo-phenylazo)-4-hydroxy-2-sulfonaphth-7-ylamino]-1,3,5-triazin-2-ylamino)-propane sodium salt; main component 3: 2,3-bis-{6-fluoro-4-[3-(1,5-disulfonaphth-2-ylazo)-4-hydroxy-2-sulfonaphth-7-ylamino]-1,3,5-triazin-2-ylamino)-propane sodium salt | | 422-610-1 | — | Xi; R41 | Xi R: 41 S: (2-)22-26-39 | | |
| 613-300-00-7 | 1-imidazol-1-yl-octadecan-2-ol | | 434-120-3 | — | R43 R53 | Xi R: 43-53 S: (2-)24-37-61 | | |
| 613-301-00-2 | dimethyl-1-([2-methoxy-5-(2-methyl-butoxycarbonyl)phenyl-carbamoyl]-[2-octadecyl-1,1-dioxo-1,2,4-benzothiadiazin-3-yl]methyl)imidazole-4,5-dicarboxylate | | 443-910-7 | — | R53 | R: 53 S: 61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|------------------------------------|---|--|-------------------------------|
| 613-302-00-8 | disodium 2-(5-carbamoyl-1-ethyl-2-hydroxy-4-methyl-6-oxo-1,6-dihydro-pyridine-3-ylazo)-4-(4-fluoro-6-(4-(2-sulfonyloxy-ethylsulfonyl)-phenylamino)-1,3,5-triazine-2-ylamino)benzene sulfonate | | 432-980-4 | 243858-60-8 | Xi; R41 | Xi R: 41 S: (2-)22-26-39 | | |
| 613-303-00-3 | 2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine | | 429-800-1 | 95737-68-1 | N; R50-53 | N R: 50/53 S: 60-61 | | |
| 613-304-00-9 | 5,6-dihydroxy-2,3-dihydro-1H-indolium bromide | | 421-170-6 | 138937-28-7 | Xn; R22 Xi; R41 | Xn R: 22-41 S: (2-)22-26-39 | | |
| 613-305-00-4 | 2-(2-hydroxy-4-octyloxyphenyl)-2H-benzotriazole | | 448-630-9 | 3147-77-1 | R53 | R: 53 S: 61 | | |
| 613-306-00-X | (2,5-dioxopyrrolidin-1-yl)-9H-fluoren-9-ylmethyl carbonate | | 433-520-5 | 82911-69-1 | Xn; R22 R43 N; R51-53 | Xn; N R: 22-43-51/53 S: (2-)24-37-61 | | |
| 613-307-00-5 | clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine | | — | 210880-92-5 | Xn; R22 N; R50-53 | Xn; N R: 22-50/53 S: (2-)46-60-61 | C ≥ 25 %: Xn, N; R22-50/53 2,5 % ≤ C < 25 %: N; R50/53 0,25 % ≤ C < 2,5 %: N; R51/53 0,025 % ≤ C < 0,25 %: R52/53 | |
| 613-308-00-0 | 2-amino-5-methylthiazole | | 423-800-5 | 7305-71-7 | Xn; R22-48/22 N; R50-53 | Xn; N R: 22-48/22-50/53 S: (2-)22-36-60-61 | | |
| 613-309-00-6 | 1-methyl-3-phenyl-1-piperazine | | 431-180-2 | 5271-27-2 | Xn; R21/22 Xi; R38-41 R52-53 | Xn R: 21/22-38-41-52/53 S: (2-)26-36/37/39-61 | | |
| 613-310-00-1 | (-)(3S,4R)-4-(4-fluorophenyl)-3-(3,4-methylenedioxy-phenoxy-methyl)-N-benzylpiperidine hydrochloride | | 432-360-3 | 105813-13-6 | Xn; R22 R43 N; R50-53 | Xn; N R: 22-43-50/53 S: (2-)22-24-37-60-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|---|--|----------------------|-------------------------------|
| 613-311-00-7 | methyl-5-nitrophenyl-guanidine | | 435-500-1 | 152460-07-6 | Xn; R22 Xi; R36 R43 R52-53 | Xn R: 22-36-43-52/53 S: (2-)22-24-26-37-61 | | |
| 613-312-00-2 | 2-(4-methyl-2-phenyl-1-piperazinyl)benzenemethanol monohydrochloride | | 420-200-5 | — | Xn; R22 Xi; R41 R43 R52-53 | Xn R: 22-41-43-52/53 S: (2-)22-26-36/37/39-61 | | |
| 613-313-00-8 | 2-(4-(4-(3-pyridinyl)-1H-imidazol-1-yl)butyl)-1H-isoindole-1,3(2H)-dione | | 442-780-9 | 173838-67-0 | R52-53 | R: 52/53 S: 61 | | |
| 613-314-00-3 | 4-decyloxazolidin-2-one; 4-decyl-1,3-oxazolidin-2-one | | 443-770-7 | 7693-82-5 | N; R50-53 | N R: 50/53 S: 22-24-60-61 | | |
| 613-315-00-9 | tetrapotassium 4-[5-[3-carboxylato-4,5-dihydro-5-oxo-1-(4-sulfonatophenyl)pyrazol-4-ylidene]-3-(piperidinocarbonyl)penta-1,3-dienylidene]-5-hydroxy-1-(4-sulfonatophenyl)pyrazole-3-carboxylate | | 430-390-1 | — | Xn; R20 R52-53 | Xn R: 20-52/53 S: (2-)25-61 | | |
| 613-316-00-4 | trimethylpropane tri(3-aziridinylpropanoate); (TAZ) | H | 257-765-0 | 52234-82-9 | Muta. Cat. 3; R68 Xi; R41 R43 | Xn R: 41-43-68 S: 26-36/37/39-42 | | |
| 615-044-00-1 | 4-chlorophenylisocyanate | | 203-176-9 | 104-12-1 | T+; R26 Xn; R22 Xi; R37/38-41 R42 N; R50-53 | T+; N R: 22-26-37/38-41-42-50/53 S: (1/2-)26-28-36/37/39-45-63-60-61 | | |
| 615-045-00-7 | 4,4'-methylene bis(3-chloro-2,6-di-ethylphenylisocyanate) | | 420-530-1 | — | R42/43 R53 | Xn R: 42/43-53 S: (2-)23-24-37-45-61 | | |
| 616-126-00-X | 1-methyl-4-nitro-3-propyl-1H-pyrazole-5-carboxamide | | 423-960-6 | 139756-01-7 | Xn; R22-48/22 R52-53 | Xn R: 22-48/22-52/53 S: (2-)22-36/37-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|--|-----------------------------|-----------|-------------|--|---|--|-------------------------------|
| 616-164-00-7 | dimoxystrobin (ISO); (E)-2-(methoxyimino)-N-methyl-2-[α -(2,5-xylyloxy)-o-tolyl]acetamide | | — | 149961-52-4 | Carc. Cat. 3; R40 Repr. Cat. 3; R63 Xn; R20 N; R50-53 | Xn; N R: 20-40-63-50/53 S: (2-)36/37-46-60-61 | C \geq 25 %: Xn, N; R20-40-63-50/53 5 % \leq C < 25 %: Xn, N; R40-63-50/53 2,5 % \leq C < 5 %: Xn, N; R40-50/53 1 % \leq C < 2,5 %: Xn, N; R40-51/53 0,25 % \leq C < 1 %: N; R51/53 0,025 % \leq C < 0,25 %: R52-53 | |
| 616-165-00-2 | beflubutamid (ISO); (RS)-N-benzyl-2-($\alpha,\alpha,\alpha,4$ -tetrafluoro- <i>m</i> -toloxy)butyramide | | — | 113614-08-7 | N; R50-53 | N R: 50/53 S: 60-61 | C \geq 0,25 %: N; R50/53 0,025 % \leq C < 0,25 %: N; R51/53 0,0025 % \leq C < 0,025 %: R52/53 | |
| 616-166-00-8 | cyazofamid (ISO); 4-chloro-2-cyano-N,N-dimethyl-5- <i>p</i> -tolylimidazole-1-sulfonamide | | — | 120116-88-3 | N; R50-53 | N R: 50/53 S: 60-61 | C \geq 2,5 %: N; R50/53 0,25 % \leq C < 2,5 %: N; R51-53 0,025 % \leq C < 0,25 %: R52/53 | |
| 616-167-00-3 | N,N-dibutyl-(2,5-dihydro-5-thioxo-1 <i>H</i> -tetrazol-1-yl)acetamide | | 418-290-6 | 168612-06-4 | Xi; R36 R43 | Xi R: 36-43 S: (2-)24-26-37 | | |
| 616-168-00-9 | 1-dimethylcarbamoyl-4-(2-sulfonatoethyl)pyridinium | | 418-440-0 | 136997-71-2 | R43 | Xi R: 43 S: (2-)22-24-37 | | |
| 616-169-00-4 | 4-[4-(2,2-dimethyl-propanamido)]phenylazo-3-(2-chloro-5-(2-(3-pentadecylphenoxy)butylamido)anilino)-1-(2,4,6-trichlorophenyl)-2-pyrazoline-5-one | | 420-220-4 | 92771-56-7 | R43 R53 | Xi R: 43-53 S: (2-)24-37-61 | | |
| 616-170-00-X | (2 <i>R</i>)-2-amino-2-phenylacetamide | | 420-370-0 | 6485-67-2 | Xi; R36 R43 | Xi R: 36-43 S: (2-)22-26-36/37 | | |
| 616-171-00-5 | 2-(para-chlorophenyl)glycineamide | | 420-830-0 | 102333-75-5 | Xi; R41 R43 | Xi R: 41-43 S: (2-)24-26-37/39 | | |
| 616-172-00-0 | N-(2,2,6,6-tetramethyl-1-oxyl-piperidin-4-yl)acetamide; (4-acetamido-2,2,6,6-tetramethyl-1-piperidinyl)oxidanyl | | 423-840-3 | 14691-89-5 | Xn; R22 | Xn R: 22 S: (2-)22 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|--------------------------------|--|----------------------|-------------------------------|
| 616-174-00-1 | 2-butyl-1,3-diazaspiro[4.4]non-1-en-4-one hydrochloride | | 424-560-4 | 151257-01-1 | Xn; R22 Xi; R36 | Xn R: 22-36 S: (2-)22-26 | | |
| 616-175-00-7 | 2-(2-hexyldecyloxy)benzamide | | 431-230-3 | 202483-62-3 | R53 | R: 53 S: 61 | | |
| 616-176-00-2 | 3-N,N-bis(methoxyethyl)aminoacetanilide | | 432-530-7 | 24294-01-7 | Xn; R22 R52-53 | Xn R: 22-52/53 S: (2-)22-24-61 | | |
| 616-177-00-8 | (3-(4-(2-(butyl-(4-methylphenylsulfonyl)amino)phenylthio)-5-oxo-1-(2,4,6-trichlorophenyl)-4,5-dihydro-1H-pyrazole-3-ylamino)-4-chlorophenyl)tetradecanamide; N-[3-({4-[(2-{butyl[(4-methylphenylsulfonyl)amino]phenylthio)-5-oxo-1-(2,4,6-trichlorophenyl)-4,5-dihydro-1H-pyrazol-3-yl]amino)-4-chlorophenyl]tetradecanamide | | 432-970-1 | 217324-98-6 | R53 | R: 53 S: 61 | | |
| 616-178-00-3 | N-(5-(bis(2-methoxyethyl)amino)-2-((2-cyano-4,6-dinitrophenyl)-azo)phenyl)acetamide | | 434-500-9 | 52583-35-4 | R53 | R: 53 S: 22-61 | | |
| 616-179-00-9 | 2-chloro-N-(4-methylphenyl)acetamide | | 435-170-9 | 16634-82-5 | Xi; R41 R43 N; R50-53 | Xi; N R: 41-43-50/53 S: (2-)22-26-36/37/39-60-61 | | |
| 616-180-00-4 | N,N-(dimethylamino)thioacetamide hydrochloride | | 435-470-1 | 27366-72-9 | Repr. Cat. 2; R61 N; R50-53 | T; N R: 61-50/53 S: 53-45-60-61 | | |
| 616-181-00-X | 4'-methyldodecane-1-sulfonamide | | 435-490-9 | 17417-32-2 | N; R50-53 | N R: 50/53 S: 60-61 | | |
| 616-182-00-5 | N'-(1,3-dimethylbutylidene)-3-hydroxy-2-naphthohydrazide | | 435-860-1 | 214417-91-1 | R43 N; R51-53 | Xi; N R: 43-51/53 S: (2-)24-37-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|---|---|----------------------|-------------------------------|
| 616-183-00-0 | N-dodecyl-4-methoxybenzamide | | 442-340-6 | 1854-15-5 | R53 | R: 53 S: 61 | | |
| 616-184-00-6 | 3-methyl-N-(5,8,13,14-tetrahydro-5,8,14-trioxo-naphth[2,3-c]acridin-6-yl) benzamide | | 442-560-2 | 105043-55-8 | R53 | R: 53 S: 61 | | |
| 616-186-00-7 | N,N'-(2-chloro-1,4-phenylene)bis(3-oxobutaneamide) | | 443-010-4 | 53641-10-4 | R52-53 | R: 52/53 S: 61 | | |
| 616-188-00-8 | 2-(5,5-dimethyl-2,4-dioxoxazolidin-3-yl)-4,4-dimethyl-3-oxo-N-(2-methoxy-5-octadecanoylamino-phenyl)pentanoic acid amide | | 443-980-9 | 221215-20-9 | R43 R53 | Xi R: 43-53 S: (2-)24-37-61 | | |
| 616-189-00-3 | N-[5-(bis-(2-methoxy-ethyl)-amino)-2-(6-bromo-2-methyl-1,3-dioxo-2,3-dihydro-1H-isoindol-5-ylazo)-phenyl]acetamide | | 444-780-4 | 452962-97-9 | R53 | R: 53 S: 61 | | |
| 616-190-00-9 | N-decyl-4-nitrobenzamide | | 445-880-0 | 64026-19-3 | R53 | R: 53 S: 61 | | |
| 616-191-00-4 | 2-ethyl-N-methyl-N-(3-methylphenyl)butanamide | | 446-190-2 | 406488-30-0 | Xn; R22 Xi; R36/38 R43 N; R51-53 | Xn; N R: 22-36/38-43-51/53 S: (2-)24-26-37-61 | | |
| 616-192-00-X | 2-[2-(3-butoxypropyl)-1,1-dioxo-1,2,4-benzothiadiazin-3-yl]-5'-tert-butyl-2-(5,5-dimethyl-2,4-dioxo-1,3-oxazolidin-3-yl)-2'-[(2-ethylhexyl)thio]acetanilide | | 448-060-0 | 727678-39-9 | R53 | R: 53 S: 61 | | |
| 616-193-00-5 | N-[2-(2-butyl-4,6-dicyano-1,3-dioxo-2,3-dihydro-1H-isoindol-5-ylazo)-5-diethylamino-phenyl]acetamide | | 449-940-7 | 368450-39-9 | R53 | R: 53 S: 61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|----------------|-----------------------------------|----------------------|-------------------------------|
| 616-194-00-0 | 2,2-diethoxy- <i>N,N</i> -dimethylacetamide | | 449-950-1 | 34640-92-1 | Xi; R36 | Xi R: 36 S: (2-)26 | | |
| 616-196-00-1 | disodium salt of 1-hydroxy-4-(β -(4-(1-hydroxy-3,6-disulfo-8-acetylamino-2-naphthylazo)phenoxy)ethoxy)- <i>N</i> -dodecyl-2-naphthamide | | 419-990-4 | — | N; R50-53 | N R: 50/53 S: 60-61 | | |
| 616-197-00-7 | mixture of: potassium <i>N</i> -[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane sulfonamide; <i>N</i> -[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane sulfonamide | | 422-500-1 | — | Xn; R48/22 | Xn R: 48/22 S: (2-)22-36 | | |
| 616-198-00-2 | 1,3-bis[12-hydroxy-octadecamide- <i>N</i> -methylene]-benzene | | 423-300-7 | — | R43 R53 | Xi R: 43-53 S: (2-)24-37-61 | | |
| 616-200-00-1 | mixture of: <i>N,N'</i> -ethane-1,2-diylbis(hexanamide); 12-hydroxy- <i>N</i> -[2-[(1-oxyhexyl)amino]ethyl]octadecanamide; <i>N,N'</i> -ethane-1,2-diylbis(12-hydroxyoctadecanamide) | | 432-430-3 | — | R43 R53 | Xi R: 43-53 S: (2-)24-37-61 | | |
| 616-201-00-7 | 12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine | | 432-840-2 | 220926-97-6 | Xn; R20 R53 | Xn R: 20-53 S: (2-)22-61 | | |

| Index No | Chemical name | Notes related to substances | EC No | CAS No | Classification | Labelling | Concentration Limits | Notes related to preparations |
|--------------|---|-----------------------------|-----------|-------------|--|--|----------------------|-------------------------------|
| 616-202-00-2 | mixture of: 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)]-3-oxo-butanamide; 2-[[[3,3'-dichloro-4'-[[[[(2,4-dimethylphenyl)amino]carbonyl]-2-oxopropyl]azo][1,1'-biphenyl]-4-yl]azo]-N-(2-methylphenyl)-3-oxo-butanamide; 2-[[[3,3'-dichloro-4'-[[[[(2,4-dimethylphenyl)amino]carbonyl]-2-oxopropyl]azo][1,1'-biphenyl]-4-yl]azo]-N-(2-carboxylphenyl)-3-oxo-butanamide | | 434-330-5 | — | Carc. Cat. 3; R40 R43 R53 | Xn R: 40-43-53 S: (2-)36/37-61 | | |
| 616-203-00-8 | mixture of: N-[5-[bis-(2-methoxyethyl)amino]-2-(2-butyl-4,6-dicyano-1,3-dioxo-2,3-dihydro-1H-isoindol-5-yl-azo)phenyl]acetamide; N-[2-(2-butyl-4,6-dicyano-1,3-dioxo-2,3-dihydro-1H-isoindol-5-ylazo)5-diethylaminophenyl]acetamide | | 442-280-0 | — | R53 | R: 53 S: 61 | | |
| 616-204-00-3 | N,N''-(methylenedi-4,1-phenylene)bis[N'-octylurea] | | 451-060-3 | 122886-55-9 | R53 | R: 53 S: 61 | | |
| 617-022-00-7 | mixture of: 1,2-dimethylpropylidene dihydroperoxide; dimethyl 1,2-benzenedicarbonylate | | 442-480-8 | — | O; R7 Xn; R22 C; R34 R43 N; R51-53 | O; C; N R: 7-22-34-43-51/53 S: (1/2-)3/7-14-26-36/37/39-45-50-61 | | |
| 647-017-00-5 | laccase | | 420-150-4 | 80498-15-3 | R42 | Xn R: 42 S: (2-)23-45 | | |

ANNEX 1C

The entries in Annex I with the following Index numbers are deleted:

024-004-01-4, 603-037-01-3, 603-155-00-8, and 611-084-00-9.
