

## 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 <sup>(1)</sup>, 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.

<sup>(1)</sup> 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: (2-1)3-36/37-46-60-61	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: (2-3)6/37-46-61	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: (2-3)6/37-46-60-61	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	

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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(methylaminothio)]-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-(hydroxymethylphosphiny)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 ≥ 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 ≥ 25 %; T+; N; R45-46-60-61-21-25-26-34-42/43-48/23-50/53 10 % ≤ C < 25 %; T+; N; R45-46-60-61-22-26-34-42/43-48/23-51/53 7 % ≤ C < 10 %; T+; N; R45-46-60-61-22-26-36/37/38-42/43-48/20-51/53 5 % ≤ C < 7 %; T; N; R45-46-60-61-22-23-36/37/38-42/43-48/20-51/53 3 % ≤ C < 5 %; T; N; R45-46-60-61-22-23-42/43-48/20-51/53 2,5 % ≤ C < 3 %; T; N; R45-46-60-61-23-42/43-48/20-51/53 1 % ≤ C < 2,5 %; T; R45-46-60-61-23-42/43-48/20-52/53 0,5 % ≤ C < 1 %; T; R45-46-60-61-20-42/43-52/53 0,25 % ≤ C < 0,5 %; T; R45-46-20-42/43-52/53 0,2 % ≤ C < 0,25 %; T; R45-46-20-42/43 0,1 % ≤ 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 ≥ 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	
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 ≥ 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	
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		

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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	dimickel 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-( $\alpha$ -(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	fentini 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	fentini 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', $\alpha$ ,3', $\alpha$ ,6' $\alpha$ )-2,2,3',7',7'-penta-methylspiro(1,3-dioxane-5,2'-norcarane); (1' $\alpha$ ,3' $\beta$ ,6' $\alpha$ )-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; tert-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-epoxyethylcyclohexane; 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; n-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 <sub>12-14</sub> -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	tert-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 <sub>10-14</sub> and C <sub>18-30</sub> alkylated); Ca phenates (branched C <sub>10-14</sub> and C <sub>18-30</sub> alkylated); Ca sulfonised phenates (branched C <sub>10-14</sub> and C <sub>18-30</sub> alkylated)		415-930-6	—	Repr. Cat. 3; R62 R43	Xn R: 43-62 S: (2-)23-36/37		
608-005-00-5	n-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-phenyl-lacetoneitrile		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	ethyldimethylamine		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- <i>m</i> -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-N-[(dimethylamino)sul- phonyl]fluoro-N-( <i>p</i> -tolyl) methanesulphenamide; [containing $\geq 0,1$ % (w/w) of particles with an aerodynamic diameter of below 50 $\mu\text{m}$ ]		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 $\geq 20$ %: T+, N; R26-36/37/38-43-48/ 23-50 10 % $\leq$ C < 20 %: T+, N; R26-43-48/ 23-50 7 % $\leq$ C < 10 %: T+, N; R26-43-48/20- 50 2,5 % $\leq$ C < 7 %: T, N; R23-43-48/20- 50 1 % $\leq$ C < 2,5 %: T; R23-43-48/20 0,1 % $\leq$ 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 <sub>2</sub> O+K <sub>2</sub> 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 <sub>2</sub> O+K <sub>2</sub> 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; isobutylolithium		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(O2)), 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(O2)), 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)carbamoyl]amino]phenyl)methyl]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''-(phenylsilylidene)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-tetrayl tetrakis(4-methyl-2-pentanone oxime) (3 stereo-isomers)		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	dodecylidiphenyl 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-(hydroxymethyl)carbamoyl)ethyl)phosphonate; diethyl (2-(hydroxymethyl)carbamoyl)ethyl)phosphonate; methyl ethyl (2-(hydroxymethyl)carbamoyl)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 <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> )		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(II) 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 Mut. 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 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 Mut. 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 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-)]trnickelate(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	trimickel 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	trimickel 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	trimickel 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; 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	
028-048-00-8	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; R49-43-48/20-0,01 % ≤ 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) isoocanoate; [10] nickel isoocanoate; [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 <sup>1</sup> , O <sup>2</sup> )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)(isoocanoato-O)nickel; [22] (isoocanoato-O)(neodecanoato-O)nickel; [23] (2-ethylhexanoato-O)(isodecanoato-O)nickel; [24] (2-ethylhexanoato-O)(neodecanoato-O)nickel; [25] (isodecanoato-O)(isoocanoato-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
028-055-00-6	fatty acids, C <sub>6-19</sub> -branched, nickel salts; [29] fatty acids, C <sub>8-18</sub> and C <sub>18</sub> -unsaturated, nickel salts; [30] 2,7-naphthalenedisulfonic acid, nickel(II) salt; [31]	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 zirkonium 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'-[[cis-1,2-cyclohexanediylbis(nitrimethylidene)]bis(phenolate)](2-N,N',O'-copper complex; 2,2'-[[trans-1,2-cyclohexanediylbis(nitrimethylidene)]bis(phenolate)](2-N,N',O'-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,N-[3-(tridecyloxy)propyl]; N,N-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]diocetyl stannane; bis[[(2-ethyl-1-oxohexyl)oxy]diocystanny]oxide; bis(1-phenyl-1,3-decanedionyl)diocetyl stannane; [(2-ethyl-1-oxohexyl)oxy-(1-phenyl-1,3-decanedionyl)diocetyl 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> -tolyltin hydroxide; hexa- <i>p</i> -tolyl-distrannoxane		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-2-yl)methyl]bicyclo[2.2.1]heptane; endo-2-methyl-exo-3-methyl-exo-2-[(endo-3-methylbicyclo[2.2.1]hept-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-butanedisulfinate		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	4444-14-4	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-hexamethylindeno[5,6-c]pyran; galaxolide; (FHCB)		214-946-9	1222-05-5	N; R50-53	N R: 50/53 S: 60-61		
603-213-00-2	2-methoxy-2-methylbutane; tert-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-diazoniabicyclo[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	cis-1-amino-2,3-dihydro-1H-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-tert-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-methoxyphenoxy)ethyl]amino]-3-(9H-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-dimethylamino-3-hydroxy-6-methyltetrahydropyran-2-yl)oxy]-2-ethyl-3,4,1,2-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-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-dideoxy-3-C-methyl-3-O-methyl-α-L-ribo-hexopiranosyl)oxy)-1,4-ethyl-7,1,2,1,3-trihydroxy-3,5,7,9,11,1,3-hexamethyl-6-((3,4,6-trideoxy-3-dimethylamino-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-diy)bis-benzene-1,3-diol		444-500-0	1440-00-2	R52-53	R: 52/53 S: 61		
603-227-00-9	$\alpha$ -hydro- $\omega$ -[[[(1,1-dimethyl-ethyl)dioxy]carbonyloxy]poly[(methoxy-1,2-ethanediy)] ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1); reaction product of: $\alpha$ -hydro- $\omega$ -(chlorocarbonyloxy)-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-oxiranymethoxy-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-trifluoromethyl-phenol		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 <sub>4</sub> 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-methyl)ethyl)phenyl)ethylidene)bisphenol; 1,2-naphthoquinonediazide-5-sulfonylchloride (or sulfonic acid)diester with 4,4'-(1-(4-(1-(4-hydroxyphenyl)-1-methyl)ethyl)phenyl)ethylidene)bisphenol; 1,2-naphthoquinonediazide-5-sulfonylchloride (or sulfonic acid)triester with 4,4'-(1-(4-(1-(4-hydroxyphenyl)-1-methyl)ethyl)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-quinolinyl)vinyl]benzaldehyde; 3-(E)-2-(7-chloro-2-quinolinyl)vinyl]benzaldehyde		421-800-1	120578-03-2	R53	R: 53 S: 22-61		
605-038-00-7	3-methyl-5-phenylpentan-1-al		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> -isindole]-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(methylphenyl)amino]-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-dioxaspiro[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	androst-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-octanone		444-350-6	133413-70-4	Xi; R36 R53	Xi R: 36-53 S: (2-)26-61		
606-137-00-8	trans-7,7'-dimethyl-(4H,4H')-(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-(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 <sup>(2,7)</sup> ]undecan-4-one; (1R,2SR,7SR,8SR,Z)-10-ethylidene-3-oxatricyclo[6.2.1.0 <sup>(2,7)</sup> ]undecan-4-one; (1R,2SR,7SR,8SR,Z)-9-ethylidene-3-oxatricyclo[6.2.1.0 <sup>(2,7)</sup> ]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; heptafluorooctane-1- sulfonic acid; [1] potassium perfluorooctanesul- fonate; potassium heptafluoro- octane-1-sulfonate; [2] diethanolamine perfluorooctane sulfonate; [3] ammonium perfluorooctane sulfonate; ammonium heptafluoro- octanesulfonate; [4] lithium perfluorooctane sulfonate; lithium heptafluoro- octane- 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	[(4S,5S)-4-benzyl-2-oxo-5-oxazolidinylmethyl] 4-nitrobenzenesulfonate		416-360-0	162221-28-5	R43	Xi R: 43 S: (2-)22-24-37		
607-628-00-X	4-oxo-4-(p-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-oxopropanoxy)propoxy](4-phenylbutyl)phosphiny] 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)oxyethoxy)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-[(E)-(4-methoxy-2-sulfonatophenyl)diazene]-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	(S)-(+)-2-acetoxypropionylchloride; (1S)-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 N-(3-propionato)-L-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)/7/9-8-2-3-2-6-36/ 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-tetra-methylbutyl)-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-methylene-cyclohexanecarboxylate		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-(sulfatoethyl)sulfonyl)ethylamino)-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</i> , <i>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 <i>N</i> <sup>2</sup> -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-sulfonatophenyl)-azo)-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- $\gamma$ -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-sulfo)phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulfo]phenyl]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-yl)amino)-2-tureidophenyl)azo)-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-dimethyl)ethyl)phenyl)sulfonyl)amino)-2-naphthalenyl)sulfonyl)-4,1,1-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-trisulfonatophthalen-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-vinylsulfonyl)ethoxy)ethylamino)-1,3,5-triazin-2-ylamino]phenyl-azo]phenyl)azo)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	trans-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-isoindol-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	trans-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-trimethyl-7,8,10-trimethyl-1,5-dioxo-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)phenoxypropyl ammonium oxalate; (5-amino-2-butylbenzofuran-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 <sub>10</sub> -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]methylamino]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(methyl)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(methyl)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-carbonyloxyhexadecylnonadecanoic acid; 9-nonyl-10-octyl-19-carbonyloxyoctadecylnonadecanoic 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-dimethylcyclopropane-carboxylate; methyl 3-((1 <i>Z</i> )-2-methylprop-1-enyl)-2,2-dimethylcyclopropane-carboxylate (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 <sub>12-14</sub> : 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-cocoyloxyethane-sulfonate		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)](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]-xanthylum-9-yl}-benzenesulfonate (2-10 %); 2-{3,6-bis-[(2,3-dimethylphenyl)-methylamino]-xanthylum-9-yl}-benzenesulfonate (2-10 %); 2-{3,6-bis-[(2,4-dimethylphenyl)-methylamino]-xanthylum-9-yl}-benzenesulfonate (2-10 %); 2-{3,6-bis-[(2,5-dimethylphenyl)-methylamino]-xanthylum-9-yl}-benzenesulfonate (2-10 %); 2-{3-[(2,3-dimethylphenyl)-methylamino]-6-[(2-ethylphenyl)-methylamino]-xanthylum-9-yl}-benzenesulfonate (7-20 %); 2-{3-[(2,4-dimethylphenyl)-methylamino]-6-[(2-ethylphenyl)-methylamino]-xanthylum-9-yl}-benzenesulfonate (7-20 %); 2-{3-[(2,5-dimethylphenyl)-methylamino]-6-[(2-ethylphenyl)-methylamino]-xanthylum-9-yl}-benzenesulfonate (7-20 %); 2-{3-[(2,3-dimethylphenyl)-methylamino]-6-[(2,4-dimethylphenyl)-methylamino]-xanthylum-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[2 <i>S</i> ,2 <i>S'</i> ]-6,6,6'-tetramethoxy-2,2'-[N,N'-bis(trifluoroacetyl)-S,S'-bi( <i>L</i> -homocysteinyldiimino)]dihexanoate		432-860-1	255387-46-3	R43	Xi R: 43 S: (2-)/24-37		
607-691-00-3	magnesium salts, fatty acids, C <sub>16-18</sub> and C <sub>18</sub> unsaturated, branched and linear		448-690-6	—	R53	R: 53 S: 61		
607-692-00-9	zinc salts, fatty acids, C <sub>16-18</sub> and C <sub>18</sub> 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)acetone nitrile 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)- $\alpha$ -hydroxy-3-phenoxy-benzeneacetone nitrile		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;		432-590-4	243869-48-9	Xi; R36 R52-53	Xi R: 36-52/53 S: (2-)26-61		
611-158-00-0	potassium sodium 3-[(E)-(6-{3,4-dihydroxy-2-[(Z)-(3-sulfonatophenyl)diazanyl]benzyl}-2,3-dihydroxyphenyl)diazanyl]benzenesulfonate		421-520-8	—	F; R11 R53	F R: 11-53 S: (2-)3-12-16-33-61		
611-159-00-6	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		421-880-6	—	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"-diazol-3",4"-dihydro-4"-oxo-naphthalene-1"-sulfonato)ethane; 1,1,1-tris(phenyl-4'-(6"-diazol-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-naphthylsulfonfylchloride and 3-diazo-3,4-dihydro-4-oxo-1-naphthylsulfonfylchloride (2:1); reaction product of 1,1,1-tris(p-hydroxyphenyl)ethane with 6-diazo-5,6-dihydro-5-oxo-1-naphthylsulfonfylchloride and 3-diazo-3,4-dihydro-4-oxo-1-naphthylsulfonfylchloride (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-disulfonat)naphthalene)azo)-(4'-nitrobenzene)-diolato-O,O,N] [(Z)-2,2-(phenylcarbonyl)prop-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-sulfonato-phenylazo)-5-hydroxy-3-(4-(sulfoethylsulfonyl)phenylazo)naphthalene-2,7-disulfonate; tetrasodium 4-amino-6-(5-(4,6-difluoropyrimidin-2-ylamino)-2-sulfonatophenylazo)-5-hydroxy-3-(4-(2-sulfoethylsulfonyl)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-naphthyl)azo]-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-naphthaleny]azo]-8-hydroxy-3,6-disulfo-1-naphthaleny]amino]-1,3,5-triazin-2-yl]amino]-5-[[4-chloro-6-[[8-hydroxy-3,6-disulfo-7-[(2-sulfo)phenyl]azo]-1-naphthaleny]amino]-1,3,5-triazin-2-yl]amino]benzoic acid; 3,5-bis[[4-chloro-6-[[7-[[1,5-disulfo-2-naphthaleny]azo]-8-hydroxy-3,6-disulfo-1-naphthaleny]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-carboxyphenyl)azo)-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)phenyl)azo-κ-N <sup>2</sup> )-1-phenylmethyl)azo-κ-N <sup>1</sup> )-4-sulfonatobenzoate(5-)-κ-O)cuprate(II); disodium 2-((1-(5-ethenesulfonyl)-2-hydroxy-κ-O-phenyl)azo-κ-N <sup>2</sup> )-1-phenylmethyl)azo-κ-N <sup>1</sup> )-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)phenylazo)-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-ethenesulfonylbutylamino)-2-sulfophenylazo]-5-(4-chloro-[6-(4-(3-amino-5-hydroxy-2,7-disulfonaphthalene-4-ylazo)-3-sulfo-phenylamino)-1,3,5-triazin-2-ylamino]-4-hydroxy-naphthalene-2,7-disulfonic acid, sodium salt); 3-[5-(4-(2-chloroethanesulfonyl)butylamino)-2-sulfophenylazo]-5-(4-chloro-[6-(4-(3-amino-5-hydroxy-2,7-disulfonaphthalene-4-ylazo)-3-sulfo-phenylamino)-1,3,5-triazin-2-ylamino]-4-hydroxy-naphthalene-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-sulfonatoxy)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
611-179-00-5	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		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 <sub>8-10</sub> , C <sub>9</sub> -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 <sub>16-18</sub> -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)amine; N-[(4-methyl-1H-benzotriazol-1-yl)methyl]-4-octyl-N-(4-octylphenyl)amine		420-720-2	—	R53	R: 53 S: 22-61		
612-270-00-2	(S)-azetidine-2-carboxylic acid 4-cyanobenzamide 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(trapeseed 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 <sub>18</sub> -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-sulfofenylamino)-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-sulfonatophenylazo)-3-(2-sulfonatoxyethanesulfonyl)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-phenylphenanthridinium 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-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol		—	131983-72-7	N; R51-53	N R: 51/53 S: 61		
613-283-00-6	ketoconazole; 1-[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] 12333-53-9 [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-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	N,N',N''-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-tert-butylphenyl)-6-cyano-5-[bis(ethoxycarbonylmethyl)-carbamoyloxy]-1H-pyrazolo[1,2-b][1,2,4] triazole-7-carboxylic acid 2,6-di-tert-butyl-4-methylcyclohexylester		448-050-6	444065-11-6	R53	R: 53 S: 61		
613-294-00-6	2-hexyldecanoic acid [4-(6-tert-butyl-7-chloro-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl)phenylcarbamoyl]methyl ester		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[c][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-tert-butyl-2H-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)-1H-pyridin-2-one)ethylene diacetate		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]-carbonyl)-[2-octadecyl-1,1-dioxo-1,2,4-benzothiadiazin-3-yl]methyl} imidazole-4,5-dicarbonylate		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-phenoxy-phenoxy)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-octyloxy-phenyl)-2H-benzotriazole		448-630-9	3147-77-1	R53	R: 53 S: 61		
613-306-00-X	(2,5-dioxypymolidin-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-isindole-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)pent-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-diethylphenylisocyanate)		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); ( <i>B</i> )-2-(methoxymino)- <i>N</i> -methyl-2-[( <i>α</i> -(2,5-xylyloxy)- <i>o</i> -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 ≥ 25 %; Xn, N; R20-40-63-50/53 5 % ≤ C < 25 %; Xn, N; R40-63-50/53 2,5 % ≤ C < 5 %; 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	
616-165-00-2	beflubutamid (ISO); ( <i>R</i> S)- <i>N</i> -benzyl-2-( <i>α,α,α</i> ,4-tetrafluoro- <i>m</i> -toloxy)butyramide	—	—	113614-08-7	N; R50-53	N R: 50/53 S: 60-61	C ≥ 0,25 %; N; R50/53 0,025 % ≤ C < 0,25 %; N; R51/53 0,0025 % ≤ C < 0,025 %; R52/53	
616-166-00-8	cyazofamid (ISO); 4-chloro-2-cyano- <i>N</i> , <i>N</i> -dimethyl-5- <i>p</i> -tolylimidazole-1-sulfonamide	—	—	120116-88-3	N; R50-53	N R: 50/53 S: 60-61	C ≥ 2,5 %; N; R50/53 0,25 % ≤ C < 2,5 %; N; R51-53 0,025 % ≤ C < 0,25 %; R52/53	
616-167-00-3	<i>N</i> , <i>N</i> -dibutyl-(2,5-dihydro-5-thioxo-1 <i>H</i> -tetrazol-1-yl)acetamide	418-290-6	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	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)amino)-1-(2,4,6-trichlorophenyl)-2-pyrazoline-5-one	420-220-4	420-220-4	92771-56-7	R43 R53	Xi R: 43-53 S: (2-)24-37-61		
616-170-00-X	( <i>2R</i> )-2-amino-2-phenylacetamide	420-370-0	420-370-0	6485-67-2	Xi; R36 R43	Xi R: 36-43 S: (2-)22-26-36/37		
616-171-00-5	2-( <i>para</i> -chlorophenyl)glycineamide	420-830-0	420-830-0	102333-75-5	Xi; R41 R43	Xi R: 41-43 S: (2-)24-26-37/39		
616-172-00-0	<i>N</i> -(2,2,6,6-tetramethyl-1-oxylpiperidin-4-yl)acetamide; (4-acetamido-2,2,6,6-tetramethyl-1-piperidinyl)oxidanil	423-840-3	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-hexyloxy)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-methylphenyl)sulfonyl]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)phenylacetamide		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-trioxonaphth[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-oxobutanamide)		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)phenylpentanoic 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-benzothiazin-3-yl]-5'-tert-butyl-2-(5,5-dimethyl-2,4-dioxo-1,3-oxazolidin-3-yl)-2'-(2-ethylhexyl)thioacetamide		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-acylamino-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-(dimethylamino)propyl]-1,1,2,3,3,4,4,5,5,6,6,7,7,8,8-heptafluorooctane sulfonamide; <i>N</i> -[3-(dimethylamino)propyl]-1,1,2,3,3,4,4,5,5,6,6,7,7,8,8-heptafluorooctane sulfonamide		422-500-1	—	Xn; R48/22	Xn R: 48/22 S: (2-)22-36		
616-198-00-2	1,3-bis[1,2-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); 1,2-hydroxy- <i>N</i> -[2-[(1-oxohexyl)amino]ethyl]octadecanamide; <i>N,N'</i> -ethane-1,2-diylbis(1,2-hydroxyoctadecanamide)		432-430-3	—	R43 R53	Xi R: 43-53 S: (2-)24-37-61		
616-201-00-7	1,2-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'-ocytylea]		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.

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