

**List of substances banned for use in cosmetic products as from 1 December 2010  
(updated July 2015)**

The following substances are classified as CMR substances of category 1A, 1B or 2 under Commission Regulation (EC) No 790/2009 and successive amendments of the Regulation 1272/2008.<sup>1</sup> Therefore, these substances are banned for use in cosmetic products as from 1 December 2010 (which is the starting date of application of their classification), in accordance with Article 15 of the Cosmetics Regulation (EC) 1223/2009.

Please note that some of the substances classified as CMR substances under Commission Regulation (EC) No 790/2009 and the successive amending regulations **had already been regulated in Annex II to the Cosmetics Regulation through previous adaptations to technical progress of the Annexes to the Cosmetics Directive** (which had been taken over by the Cosmetics Regulation at the time of its adoption in November 2009). They **continue therefore to be listed in this Annex** and to be banned for use in cosmetics, and **are thus not included in the list below**.

In addition, some substances classified as CMR substances under Commission Regulation (EC) No 790/2009 and the successive amending regulations are considered to be **covered by existing entries in Annex II** to the Cosmetics Regulation and are **not included in the list below**.

<b>Chemical name</b>	<b>EC No</b>	<b>CAS No</b>
<i>O</i> -isobutyl- <i>N</i> -ethoxy carbonylthiocarbamate	434-350-4	103122-66-3
chlorpropham (ISO); isopropyl 3-chlorocarbanilate	202-925-7	101-21-3
hydroxylammonium nitrate	236-691-2	13465-08-2
reaction mass of: 4,7-bis(mercaptomethyl)-3,6,9-trithia-1,11-undecanedithiol-; 4,8-bis(mercaptomethyl)-3,6,9-trithia-1,11-undecanedithiol; 5,7-bis(mercaptomethyl)-3,6,9-trithia-1,11-undecanedithiol	427-050-1	-
cobalt acetate	200-755-8	71-48-7

<sup>1</sup> This list does not contain the substance Musk Ketone (CAS 81-14-1), even though it has been classified as a CMR 2 substance by Commission Regulation 790/2009. Indeed, Musk Ketone is already listed under Annex III, entry 97 of the Cosmetics Regulation and the data as published in the RAR on Musk Ketone, which was the basis for the official CMR2 classification of the material, was also taken into consideration in the second review of the material by the SCCNFP in 2004, which led to the transfer of the material from a preliminary regulation (Annex III, part 2 of the Cosmetics Directive) to a permanent regulation (Annex III, part 1 of the Cosmetics Directive) in the same year. Therefore, it can be considered that this substance has been subject to "evaluation and approval" of the SCCS and that it remains regulated in Annex III to the Cosmetics Regulation, entry 97.

<b>Chemical name</b>	<b>EC No</b>	<b>CAS No</b>
cobalt nitrate	233-402-1	10141-05-6
cobalt carbonate	208-169-4	513-79-1
nickel dichloride	231-743-0	7718-54-9
nickel dinitrate; [1]	236-068-5 [1]	13138-45-9 [1]
nitric acid, nickel salt [2]	238-076-4 [2]	14216-75-2 [2]
dibutyltin dichloride; (DBTC)	211-670-0	683-18-1
4,4'-bis( <i>N</i> -carbamoyl-4-methylbenzenesulfonamide)diphenylmethane	418-770-5	151882-81-4
6-glycidyloxynaph-1-yl oxymethyloxirane	429-960-2	27610-48-6
2-(2-aminoethylamino)ethanol (AEEA)	203-867-5	111-41-1
1,2-diethoxyethane	211-076-1	629-14-1
( <i>E</i> )-3-[1-[4-[2-(dimethylamino)ethoxy]phenyl]-2-phenylbut-1-enyl]phenol	428-010-4	82413-20-5
2-butyryl-3-hydroxy-5-thiocyclohexan-3-yl-cyclohex-2-en-1-one	425-150-8	94723-86-1
profoxydim (ISO); 2-{( <i>EZ</i> )-1-[(2 <i>RS</i> )-2-(4-chlorophenoxy)propoxyimino]butyl}-3-hydroxy-5-(thian-3-yl)cyclohex-2-en-1-one	-	139001-49-3
tepraloxydim (ISO); ( <i>RS</i> )-(E <i>Z</i> )-2-{1-[(2 <i>E</i> )-3-chloroallyloxyimino]propyl}-3-hydroxy-5-perhydropyran-4-ylcyclohex-2-en-1-one	-	149979-41-9
1,2-benzenedicarboxylic acid; di-C <sub>6,8</sub> -branched alkylesters, C <sub>7</sub> -rich	276-158-1	71888-89-6
reaction mass of: diester of 4,4'-methylenebis[2-(2-hydroxy-5-methylbenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxonaphthalene-1-sulfonic acid (1:2); triester of 4,4'-methylenebis[2-(2-hydroxy-5-methylbenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxonaphthalene-1-sulfonic acid (1:3)	427-140-9	-
diammonium 1-hydroxy-2-(4-(4-carboxyphenylazo)-2,5-dimethoxyphenylazo)-7-amino-3-naphthalenesulfonate	422-670-7	-
3-oxoandrost-4-ene-17-β-carboxylic acid	414-990-0	302-97-6
( <i>Z</i> )-2-methoxymino-2-[2-(tritylamino)thiazol-4-yl]acetic acid	431-520-1	64485-90-1

Chemical name	EC No	CAS No
reaction mass of: succinic acid; monopersuccinic acid; dipersuccinic acid; monomethyl ester of succinic acid; monomethyl ester of persuccinic acid; dimethyl succinate; glutaric acid; monoperglutaric acid; diperlutaric acid; monomethyl ester of glutaric acid; monomethyl ester of perglutaric acid; dimethyl glutarate; adipic acid; monoperadipic acid; diperadipic acid; monomethyl ester of adipic acid; monomethyl ester of peradipic acid; dimethyl adipate; hydrogen peroxide; methanol; water	432-790-1	-
4-mesyl-2-nitrotoluene	430-550-0	1671-49-4
* chrysoidine; 4-(phenylazo)benzene-1,3-diamine	207-803-7	495-54-5
* chrysoidine monohydrochloride; 4-phenylazophenylene-1,3-diamine monohydrochloride; [1] chrysoidine monoacetate; 4-(phenylazo)benzene-1,3-diamine monoacetate; [2] chrysoidine acetate; 4-(phenylazo)benzene-1,3-diamine acetate; [3] chrysoidine- <i>p</i> -dodecylbenzenesulfonate; dodecylbenzenesulfonic acid, compound with 4- (phenylazo)benzene-1,3-diamine (1:1); [4] chrysoidine dihydrochloride; 4-(phenylazo)benzene-1,3-diamine dihydrochloride; [5] chrysoidine sulfate; bis[4-(phenylazo)benzene-1,3-diamine] sulfate [6]	208-545-8 [1] 278-290-5 [2] 279-116-0 [3] 264-409-8 [4] 281-549-5 [5] 282-432-1 [6]	532-82-1 [1] 75660-25-2 [2] 79234-33-6 [3] 63681-54-9 [4] 83968-67-6 [5] 84196-22-5 [6]
* chrysoidine C <sub>10-14</sub> -alkyl derivatives and; benzenesulfonic acid, mono-C <sub>10-14</sub> -alkyl derivatives, compounds with 4-(phenylazo)-1,3-benzenediamine; [1] chrysoidine compound with dibutyl-naphthalene sulfonic acid; dibutyl-naphthalenesulfonic acid, compound with 4- (phenylazo)benzene-1,3-diamine (1:1) [2]	286-946-7 [1] 304-236-8 [2]	85407-90-5 [1] 94247-67-3 [2]
piperazine; [liquid]	203-808-3	110-85-0
hydroxylamine ...% [≤ 55% in aqueous solution]	232-259-2	7803-49-8

\* These substances are prohibited when used as a substance in hair dye products, under entry 1293 of Annex II to Regulation 1223/2009. However, as from 1 December 2010, they are **banned for use in all cosmetic products**.

Chemical name	EC No	CAS No
mepanipyrim; 4-methyl- <i>N</i> -phenyl-6-(1-propynyl)-2-pyrimidinamine	-	110235-47-7
hydroxylammonium hydrogensulfate; hydroxylamine sulfate (1:1)	233-154-4	10046-00-1
(6 <i>R</i> - <i>trans</i> )-1-((7-ammonio-2-carboxylato-8-oxo-5-thia-1-azabicyclo-[4.2.0]oct-2-en-3-yl)methyl)pyridinium iodide	423-260-0	100988-63-4
forchlorfenuron (ISO); 1-(2-chloro-4-pyridyl)-3-phenylurea	-	68157-60-8
cinidon ethyl (ISO); ethyl (Z)-2-chloro-3-[2-chloro-5-(cyclohex-1-ene-1,2-dicarboximido)phenyl]acrylate	-	142891-20-1
<i>N</i> -[6,9-dihydro-9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]-6-oxo-1 <i>H</i> -purin-2-yl]acetamide	424-550-1	84245-12-5
molybdenum trioxide	215-204-7	1313-27-5
2,2'-((3,3',5,5'-tetramethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(oxymethylene))-bis-oxirane	413-900-7	85954-11-6
trifluralin (ISO) (containing < 0.5 ppm NPDA); $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro- <i>N,N</i> -dipropyl- <i>p</i> -toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro- <i>N,N</i> -dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); <i>N,N</i> -dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)	216-428-8	1582-09-8
piperazine; [solid]	203-808-3	110-85-0
hydroxylamine ....% [> 55% in aqueous solution]	232-259-2	7803-49-8
hydroxylammonium chloride; hydroxylamine hydrochloride; [1] bis(hydroxylammonium) sulfate; hydroxylamine sulfate (2:1) [2]	226-798-2 [1] 233-118-8 [2]	5470-11-1 [1] 10039-54-0 [2]
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; [1] 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate; [2] <i>o</i> -( <i>p</i> -isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate; [3] methylenediphenyl diisocyanate [4]	202-966-0 [1] 219-799-4 [2] 227-534-9 [3] 247-714-0 [4]	101-68-8 [1] 2536-05-2 [2] 5873-54-1 [3] 26447-40-5 [4]
mancozeb (ISO); manganese ethylenebis(dithiocarbamate) (polymeric) complex with zinc salt	-	8018-01-7
maneb (ISO); manganese ethylenebis(dithiocarbamate) (polymeric)	235-654-8	12427-38-2
benfuracarb (ISO); ethyl <i>N</i> -[2,3-dihydro-2,2-dimethylbenzofuran-7-yl]oxycarbonyl(methyl)aminothio]- <i>N</i> -isopropyl- $\beta$ -alaninate	-	82560-54-1
phoxim (ISO); $\alpha$ -(diethoxyphosphinothioylimino) phenylacetone nitrile	238-887-3	14816-18-3

<b>Chemical name</b>	<b>EC No</b>	<b>CAS No</b>
glufosinate ammonium (ISO); ammonium 2-amino-4- (hydroxymethylphosphinyl)butyrate	278-636-5	77182-82-2
furfuryl alcohol	202-626-1	98-00-0
1,2-epoxy-4-epoxyethylcyclohexane; 4-vinylcyclohexene diepoxide	203-437-7	106-87-6
reaction mass 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 sulfurised phenates (branched C <sub>10-14</sub> and C <sub>18-30</sub> alkylated)	415-930-6	-
<i>N,N'</i> -diacetylbenzidine	210-338-2	613-35-4
cyclohexylamine	203-629-0	108-91-8
hydroxylammonium hydrogensulfate; hydroxylamine sulfate(1:1); [1] hydroxylamine phosphate; [2] hydroxylamine dihydrogenphosphate; [3] hydroxylamine 4-methylbenzenesulfonate [4]	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]
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]	-	-
<i>O</i> -hexyl- <i>N</i> -ethoxycarbonylthiocarbamate	432-750-3	-
(4-ethoxyphenyl)(3-(4-fluoro-3-phenoxyphenyl)propyl)dimethylsilane	405-020-7	105024-66-6
reaction mass of of: dimethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate; diethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate; methyl ethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate	435-960-3	-
(4-phenylbutyl)phosphinic acid	420-450-5	86552-32-1
potassium titanium oxide (K <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> )	432-240-0	12056-51-8
nickel matte	273-749-6	69012-50-6
slimes and sludges, copper electrolytic refining, decopperised, nickel sulfate	295-859-3	92129-57-2
slimes and sludges, copper electrolyte refining, decopperised	305-433-1	94551-87-8
nickel diperchlorate; perchloric acid, nickel(II) salt	237-124-1	13637-71-3
nickel dipotassium bis(sulfate); [1] diammonium nickel bis(sulfate) [2]	237-563-9 [1] 239-793-2 [2]	13842-46-1 [1] 15699-18-0 [2]
nickel bis(sulfamidate); nickel sulfamate	237-396-1	13770-89-3
nickel bis(tetrafluoroborate)	238-753-4	14708-14-6
nickel diformate; [1] formic acid, nickel salt; [2] formic acid, copper nickel salt [3]	222-101-0 [1] 239-946-6 [2] 268-755-0 [3]	3349-06-2 [1] 15843-02-4 [2] 68134-59-8 [3]
nickel di(acetate); [1] nickel acetate [2]	206-761-7 [1] 239-086-1 [2]	373-02-4 [1] 14998-37-9 [2]

<b>Chemical name</b>	<b>EC No</b>	<b>CAS No</b>
nickel dibenzoate	209-046-8	553-71-9
nickel bis(4-cyclohexylbutyrate)	223-463-2	3906-55-6
nickel(II) stearate; nickel(II) octadecanoate	218-744-1	2223-95-2
nickel dilactate	-	16039-61-5
nickel(II) octanoate	225-656-7	4995-91-9
nickel difluoride; [1]	233-071-3 [1]	10028-18-9 [1]
nickel dibromide; [2]	236-665-0 [2]	13462-88-9 [2]
nickel diiodide; [3]	236-666-6 [3]	13462-90-3 [3]
nickel potassium fluoride [4]	- [4]	11132-10-8 [4]
nickel hexafluorosilicate	247-430-7	26043-11-8
nickel selenate	239-125-2	15060-62-5
nickel hydrogen phosphate; [1]	238-278-2 [1]	14332-34-4 [1]
nickel bis(dihydrogen phosphate); [2]	242-522-3 [2]	18718-11-1 [2]
trinickel bis(orthophosphate); [3]	233-844-5 [3]	10381-36-9 [3]
dinickel diphosphate; [4]	238-426-6 [4]	14448-18-1 [4]
nickel bis(phosphinate); [5]	238-511-8 [5]	14507-36-9 [5]
nickel phosphinate; [6]	252-840-4 [6]	36026-88-7 [6]
phosphoric acid, calcium nickel salt; [7]	- [7]	17169-61-8 [7]
diphosphoric acid, nickel(II) salt [8]	- [8]	19372-20-4 [8]
diammonium nickel hexacyanoferrate	-	74195-78-1
nickel dicyanide	209-160-8	557-19-7
nickel chromate	238-766-5	14721-18-7
nickel(II) silicate; [1]	244-578-4 [1]	21784-78-1 [1]
dinickel orthosilicate; [2]	237-411-1 [2]	13775-54-7 [2]
nickel silicate (3:4); [3]	250-788-7 [3]	31748-25-1 [3]
silicic acid, nickel salt; [4]	253-461-7 [4]	37321-15-6 [4]
trihydrogen hydroxybis[orthosilicato(4-)]trinickelate(3-) [5]	235-688-3 [5]	12519-85-6 [5]
dinickel hexacyanoferrate	238-946-3	14874-78-3
trinickel bis(arsenate); nickel(II) arsenate	236-771-7	13477-70-8
nickel oxalate; [1]	208-933-7 [1]	547-67-1 [1]
oxalic acid, nickel salt [2]	243-867-2 [2]	20543-06-0 [2]
nickel telluride	235-260-6	12142-88-0
trinickel tetrasulfide	-	12137-12-1
trinickel bis(arsenite)	-	74646-29-0
cobalt nickel gray periclase; C.I. Pigment Black 25; C.I. 77332; [1]	269-051-6 [1] 261-346-8 [2] - [3]	68186-89-0 [1] 58591-45-0 [2] 12737-30-3 [3]
cobalt nickel dioxide; [2]		
cobalt nickel oxide [3]		
nickel tin trioxide; nickel stannate	234-824-9	12035-38-0
nickel triuranium decaoxide	239-876-6	15780-33-3
nickel dithiocyanate	237-205-1	13689-92-4
nickel dichromate	239-646-5	15586-38-6
nickel(II) selenite	233-263-7	10101-96-9
nickel selenide	215-216-2	1314-05-2
silicic acid, lead nickel salt	-	68130-19-8
nickel diarsenide; [1]	235-103-1 [1]	12068-61-0 [1]
nickel arsenide [2]	248-169-1 [2]	27016-75-7 [2]

<b>Chemical name</b>	<b>EC No</b>	<b>CAS No</b>
nickel barium titanium primrose priderite; C.I. Pigment Yellow 157; C.I. 77900	271-853-6	68610-24-2
nickel dichlorate; [1] nickel dibromate; [2] ethyl hydrogen sulfate, nickel(II) salt [3]	267-897-0 [1] 238-596-1 [2] 275-897-7 [3]	67952-43-6 [1] 14550-87-9 [2] 71720-48-4 [3]
nickel(II) trifluoroacetate; [1] nickel(II) propionate; [2] nickel bis(benzenesulfonate); [3] nickel(II) hydrogen citrate; [4] citric acid, ammonium nickel salt; [5] citric acid, nickel salt; [6] nickel bis(2-ethylhexanoate); [7] 2-ethylhexanoic acid, nickel salt; [8] dimethylhexanoic acid nickel salt; [9] nickel(II) isooctanoate; [10] nickel isooctanoate; [11] nickel bis(isononanoate); [12] nickel(II) neononanoate; [13] nickel(II) isodecanoate; [14] nickel(II) neodecanoate; [15] neodecanoic acid, nickel salt; [16] nickel(II) neoundecanoate; [17] bis(D-gluconato- <i>O</i> <sup>1</sup> , <i>O</i> <sup>2</sup> )nickel; [18] nickel 3,5-bis( <i>tert</i> -butyl)-4-hydroxybenzoate (1:2); [19] nickel(II) palmitate; [20] (2-ethylhexanoato- <i>O</i> )(isononanoato- <i>O</i> )nickel; [21] (isononanoato- <i>O</i> )(isooctanoato- <i>O</i> )nickel; [22] (isooctanoato- <i>O</i> )(neodecanoato- <i>O</i> )nickel; [23] (2-ethylhexanoato- <i>O</i> )(isodecanoato- <i>O</i> )nickel; [24] (2-ethylhexanoato- <i>O</i> )(neodecanoato- <i>O</i> )nickel; [25] (isodecanoato- <i>O</i> )(isooctanoato- <i>O</i> )nickel; [26] (isodecanoato- <i>O</i> )(isononanoato- <i>O</i> )nickel; [27] (isononanoato- <i>O</i> )(neodecanoato- <i>O</i> )nickel; [28] 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]	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]
nickel(II) sulfite; [1] nickel tellurium trioxide; [2] nickel tellurium tetraoxide; [3] molybdenum nickel hydroxide oxide phosphate [4]	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]
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]	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]

Chemical name	EC No	CAS No
dialuminium nickel tetraoxide; [1]	234-454-8 [1]	12004-35-2 [1]
nickel titanium trioxide; [2]	234-825-4 [2]	12035-39-1 [2]
nickel titanium oxide; [3]	235-752-0 [3]	12653-76-8 [3]
nickel divanadium hexaoxide; [4]	257-970-5 [4]	52502-12-2 [4]
cobalt dimolybdenum nickel octaoxide; [5]	268-169-5 [5]	68016-03-5 [5]
nickel zirkonium trioxide; [6]	274-755-1 [6]	70692-93-2 [6]
molybdenum nickel tetraoxide; [7]	238-034-5 [7]	14177-55-0 [7]
nickel tungsten tetraoxide; [8]	238-032-4 [8]	14177-51-6 [8]
olivine, nickel green; [9]	271-112-7 [9]	68515-84-4 [9]
lithium nickel dioxide; [10]	- [10]	12031-65-1 [10]
molybdenum nickel oxide; [11]	- [11]	12673-58-4 [11]
cobalt lithium nickel oxide	442-750-5	-
2,3-epoxypropyltrimethylammonium chloride ...%; glycidyl trimethylammonium chloride ...%	221-221-0	3033-77-0
1-(2-amino-5-chlorophenyl)-2,2,2-trifluoro-1,1-ethanediol, hydrochloride; [containing $\geq 0.1$ % 4-chloroaniline (EC No 203-401-0)]	433-580-2	214353-17-0
4,4'-(1,3-phenylene-bis(1-methylethylidene))bis-phenol	428-970-4	13595-25-0
chloro-1-ethylcyclohexyl carbonate	444-950-8	99464-83-2
2-chloro-6-fluoro-phenol	433-890-8	2040-90-6
2-methyl-5- <i>tert</i> -butylthiophenol	444-970-7	-
cyclic 3-(1,2-ethanediylacetale)-estra-5(10),9(11)-diene-3,17-dione	427-230-8	5571-36-8
androsta-1,4,9(11)-triene-3,17-dione	433-560-3	15375-21-0
2-ethylhexyl-2-ethylhexanoate	231-057-1	7425-14-1
perfluorooctane sulfonic acid; heptadecafluorooctane-1-sulfonic acid; [1]	217-179-8 [1] 220-527-1 [2]	1763-23-1 [1] 2795-39-3 [2]
potassium perfluorooctanesulfonate; potassium heptadecafluorooctane-1-sulfonate; [2]	274-460-8 [3] 249-415-0 [4]	70225-14-8 [3] 29081-56-9 [4]
diethanolamine perfluorooctane sulfonate; [3]	249-644-6 [5]	29457-72-5 [5]
ammonium perfluorooctane sulfonate; ammonium heptadecafluorooctanesulfonate; [4]		
lithium perfluorooctane sulfonate; lithium heptadecafluorooctanesulfonate [5]		
ethyl 1-(2,4-dichlorophenyl)-5-(trichloromethyl)-1 <i>H</i> -1,2,4-triazole-3-carboxylate	401-290-5	103112-35-2
1-bromo-2-methylpropyl propionate	422-900-6	158894-67-8
triammonium 4-[4-[7-(4-carboxylatoanilino)-1-hydroxy-3-sulfonato-2-naphthylazo]-2,5-dimethoxyphenylazo]benzoate	432-270-4	221354-37-6
reaction mass of: triammonium 6-amino-3-((2,5-diethoxy-4-(3-phosphonophenyl)azo)phenyl)azo-4-hydroxy-2-naphthalenesulfonate; diammonium 3-((4-((7-amino-1-hydroxy-3-sulfonaphthalen-2-yl)azo)-2,5-diethoxyphenyl)azo)benzoate	438-310-7	-
(3-chloro-2-hydroxypropyl) trimethylammonium chloride ...%	222-048-3	3327-22-8
biphenyl-3,3',4,4'-tetrayltetraamine; diaminobenzidine	202-110-6	91-95-2
piperazine hydrochloride; [1]	228-042-7 [1]	6094-40-2 [1]
piperazine dihydrochloride; [2]	205-551-2 [2]	142-64-3 [2]
piperazine phosphate [3]	217-775-8 [3]	1951-97-9 [3]
3-(piperazin-1-yl)-benzo[d]isothiazole hydrochloride	421-310-6	87691-88-1

Chemical name	EC No	CAS No
(2-chloroethyl)(3-hydroxypropyl)ammonium chloride	429-740-6	40722-80-3
4-[(3-chlorophenyl)(1 <i>H</i> -imidazol-1-yl)methyl]-1,2-benzenediamine dihydrochloride	425-030-5	159939-85-2
chloro- <i>N,N</i> -dimethylformiminium chloride	425-970-6	3724-43-4
7-methoxy-6-(3-morpholin-4-yl-propoxy)-3 <i>H</i> -quinazolin-4-one; [containing $\geq 0.5$ % formamide (EC No 200-842-0) ]	429-400-7	199327-61-2
reaction products of diisopropanolamine with formaldehyde (1:4)	432-440-8	220444-73-5
3-chloro-4-(3-fluorobenzyloxy)aniline	445-590-4	202197-26-0
ethidium bromide; 3,8-diamino-1-ethyl-6-phenylphenantridinium bromide	214-984-6	1239-45-8
( <i>R,S</i> )-2-amino-3,3-dimethylbutane amide	447-860-7	144177-62-8
3-amino-9-ethyl carbazole; 9-ethylcarbazol-3-ylamine	205-057-7	132-32-1
tetrahydro-1,3-dimethyl-1 <i>H</i> -pyrimidin-2-one; dimethyl propyleneurea	230-625-6	7226-23-5
quinoline	202-051-6	91-22-5
ketoconazole; 1-[4-[4-[[[(2 <i>SR</i> ,4 <i>RS</i> )-2-(2,4-dichlorophenyl)-2-(imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]ethanone	265-667-4	65277-42-1
metconazole (ISO); (1 <i>RS</i> ,5 <i>RS</i> ;1 <i>RS</i> ,5 <i>SR</i> )-5-(4-chlorobenzyl)-2,2-dimethyl-1-(1 <i>H</i> -1,2,4-triazol-1-ylmethyl)cyclopentanol	-	125116-23-6
potassium 1-methyl-3-morpholinocarbonyl-4-[3-(1-methyl-3-morpholinocarbonyl-5-oxo-2-pyrazolin-4-ylidene)-1-propenyl]pyrazole-5-olate; [containing $\geq 0.5$ % <i>N,N</i> -dimethylformamide (EC No 200-679-5)]	418-260-2	183196-57-8
<i>N,N',N''</i> -tris(2-methyl-2,3-epoxypropyl)-perhydro-2,4,6-oxo-1,3,5-triazine	435-010-8	26157-73-3
trimethylpropane tri(3-aziridinylpropanoate); (TAZ)	257-765-0	52234-82-9
dimoxystrobin (ISO); ( <i>E</i> )-2-(methoxyimino)- <i>N</i> -methyl-2-[ $\alpha$ -(2,5-xylyloxy)- <i>o</i> -tolyl]acetamide	-	149961-52-4
<i>N,N</i> -(dimethylamino)thioacetamide hydrochloride	435-470-1	27366-72-9
reaction mass of: 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[ <i>N</i> -(2,4-dimethylphenyl)]-3-oxo-butanamide; 2-[[[3,3'-dichloro-4'-[[1[[[(2,4-dimethylphenyl)amino]carbonyl]-2-oxopropyl]azo][1,1'-biphenyl]-4-yl]azo]- <i>N</i> -(2-methylphenyl)-3-oxo-butanamide; 2-[[[3,3'-dichloro-4'-[[1[[[(2,4-dimethylphenyl)amino]carbonyl]-2-oxopropyl]azo][1,1'-biphenyl]-4-yl]azo]- <i>N</i> -(2-carboxylphenyl)-3-oxo-butanamide	434-330-5	-
6,6'-bis(diazo-5,5',6,6'-tetrahydro-5,5'-dioxo)[methylene-bis(5-(6-diazo-5,6-dihydro-5-oxo-1-naphthylsulfonyloxy)-6-methyl-2-phenylene]di(naphthalene-1-sulfonate)	441-550-5	

<b>Chemical name</b>	<b>EC No</b>	<b>CAS No</b>
dibutyltin hydrogen borate	401-040-5	75113-37-0
boric acid; [1] boric acid, crude natural, containing not more than 85 per cent of H <sub>3</sub> BO <sub>3</sub> calculated on the dry weight [2]	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]
diboron trioxide; boric oxide	215-125-8	1303-86-2
disodium tetraborate, anhydrous; boric acid, disodium salt; [1] tetraboron disodium heptaoxide, hydrate; [2] orthoboric acid, sodium salt [3]	215-540-4 [1] 235-541-3 [2] 237-560-2 [3]	1330-43-4 [1] 12267-73-1 [2] 13840-56-7 [3]
disodium tetraborate decahydrate; borax decahydrate	215-540-4	1303-96-4
disodium tetraborate pentahydrate; borax pentahydrate	215-540-4	12179-04-3
sodium perborate; [1] sodium peroxometaborate; [2] sodium peroxoborate; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]	239-172-9 [1] 231-556-4 [2]	15120-21-5 [1] 7632-04-4 [2]
disodium tetraborate, anhydrous; boric acid, disodium salt; [1] tetraboron disodium heptaoxide, hydrate; [2] orthoboric acid, sodium salt [3]	215-540-4 [1] 235-541-3 [2] 237-560-2 [3]	1330-43-4 [1] 12267-73-1 [2] 13840-56-7 [3]
disodium tetraborate decahydrate; borax decahydrate	215-540-4	1303-96-4
disodium tetraborate pentahydrate; borax pentahydrate	215-540-4	12179-04-3
perboric acid (H <sub>3</sub> BO <sub>2</sub> (O <sub>2</sub> )), monosodium salt trihydrate; [1] perboric acid, sodium salt, tetrahydrate; [2] perboric acid (HBO(O <sub>2</sub> )), sodium salt, tetrahydrate [3] sodium peroxoborate hexahydrate; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]	239-172-9 [1] 234-390-0 [2] 231-556-4 [3]	13517-20-9 [1] 37244-98-7 [2] 10486-00-7 [3]
perboric acid, sodium salt; [1] perboric acid, sodium salt, monohydrate; [2] perboric acid (HBO(O <sub>2</sub> )), sodium salt, monohydrate; [3] sodium peroxoborate; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]	234-390-0 [1] 234-390-0 [2] 231-556-4 [3]	11138-47-9 [1] 12040-72-1 [2] 10332-33-9 [3]
cis-1-(3-chloroallyl)-3,5,7-triaza-1- azoniaadamantane chloride	426-020-3	51229-78-8

<b>Chemical name</b>	<b>EC No</b>	<b>CAS No</b>
trisodium nitrilotriacetate	225-768-6	5064-31-3
N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone	212-828-1	872-50-4
vinyl acetate	203-545-4	108-05-4
N-ethyl-2-pyrrolidone; 1-ethylpyrrolidin-2-one	220-250-6	2687-91-4
polyhexamethylene biguanide hydrochloride		32289-58-0 / 27083-27-8 / 28757-47-3 / 133029-32-0

**9 July 2015**