



# Candidate List of substances of very high concern for Authorisation

(published in accordance with Article 59(10) of the REACH Regulation)

Notes:

- Authentic version:** Only the Candidate List published on this website is deemed authentic. Companies may have immediate legal obligations following the inclusion of a substance in the Candidate List on this website including in particular Articles 7, 31 and 33 of the REACH Regulation.
- Numerical identifiers:** Each candidate list entry covers both anhydrous and hydrated forms of a substance. The CAS number shown in an entry is typically for the anhydrous form. Hydrated forms of the substance identified by other CAS numbers are still within the scope of the entry.
- Other numerical identifiers:** For those entries with "-" in the EC number and CAS number columns, a non-exhaustive inventory of EC and/or CAS Registry numbers describing substances or groups of substances considered to fall within the scope of the Candidate List entry is included, where practicably possible. This information can be accessed through the "Details" button of the selected entry.

FURTHER INFORMATION

- More information about Candidate list of Substances of Very High Concern for Authorisation
- Data on Candidate List substances in articles
- Reason for inclusion
  - bg cs da de el es et fi fr
  - hr hu it lt lv mt nl pl pt
  - ro sk sl sv

Filter the list

Substance Identifier

e.g. Formaldehyde, or 200-001-8 or 50-00-0, or 605-001-00-5

Reason for inclusion:

- All -





Date of inclusion:





- from - - to -




Filter











Clear all














| Substance name               | EC No.    | CAS No.     | Date of inclusion | Reason for inclusion                 | Decision    | IUCLID dataset |
|------------------------------|-----------|-------------|-------------------|--------------------------------------|-------------|----------------|
| n-pentyl-isopentyl phthalate | -         | 776297-69-9 | 19-Dec-2012       | Toxic for reproduction (Article 57c) | ED/169/2012 |                |
| N-methylacetamide            | 201-182-6 | 79-16-3     | 19-Dec-2012       | Toxic for reproduction (Article 57c) | ED/169/2012 |                |
| N,N-dimethylformamide        | 200-679-5 | 68-12-2     | 19-Dec-2012       | Toxic for reproduction (Article 57c) | ED/169/2012 |                |



| <div>Substance name</div> <div>expand / collapse</div>  | EC No.    | CAS No.    | Date of inclusion | Reason for inclusion  | Decision    | IUCLID dataset  |  |
|---|-----------|------------|-------------------|---|-------------|---|--|
| Methyloxirane (Propylene oxide)   | 200-879-2 | 75-56-9    | 19-Dec-2012       | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b)             | ED/169/2012 |    |  |
| Methoxyacetic acid  | 210-894-6 | 625-45-6   | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |    |  |
| Lead titanium zirconium oxide   | 235-727-4 | 12626-81-2 | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |    |  |
| Lead titanium trioxide  | 235-038-9 | 12060-00-3 | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |    |  |
| Lead oxide sulfate  | 234-853-7 | 12036-76-9 | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |    |  |
| Lead monoxide (lead oxide)  | 215-267-0 | 1317-36-8  | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |    |  |
| Lead dinitrate  | 233-245-9 | 10099-74-8 | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |    |  |
| Lead cyanamidate  | 244-073-9 | 20837-86-9 | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |  |  |
| Lead bis(tetrafluoroborate)   | 237-486-0 | 13814-96-5 | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |  |  |
| <div>Hexahydromethylphthalic anhydride</div> <div>including cis- and trans- stereo isomeric forms and all possible combinations of the isomers</div> <div>Hexahydro-1-methylphthalic anhydride</div> <div>EC No.: 256-356-4   CAS No.: 48122-14-1</div> <div></div> <div>Hexahydro-3-methylphthalic anhydride</div> <div>EC No.: 260-566-1   CAS No.: 57110-29-9</div> <div></div> <div>Hexahydro-4-methylphthalic anhydride</div> <div>EC No.: 243-072-0   CAS No.: 19438-60-9</div> <div></div> <div>Hexahydromethylphthalic anhydride</div> <div>EC No.: 247-094-1   CAS No.: 25550-51-0</div> | -         | -          | 19-Dec-2012       | Respiratory sensitising properties (Article 57(f) - human health) | ED/169/2012 |  |  |
| Heptacosaf fluorotetradecanoic acid   | 206-803-4 | 376-06-7   | 19-Dec-2012       | vPvB (Article 57e)  | ED/169/2012 |  |  |
| Henicosaf fluoroundecanoic acid   | 218-165-4 | 2058-94-8  | 19-Dec-2012       | vPvB (Article 57e)  | ED/169/2012 |  |  |
| Furan   | 203-727-3 | 110-00-9   | 19-Dec-2012       | Carcinogenic (Article 57a)  | ED/169/2012 |  |  |
| Fatty acids, C16-18, lead salts   | 292-966-7 | 91031-62-8 | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |  |  |
| Dioxobis(stearato)trilead   | 235-702-8 | 12578-12-0 | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |  |  |
| Dinoseb (6-sec-butyl-2,4-dinitrophenol)   | 201-861-7 | 88-85-7    | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |  |  |
| Dimethyl sulphate   | 201-058-1 | 77-78-1    | 19-Dec-2012       | Carcinogenic (Article 57a)  | ED/169/2012 |  |  |
| Diisopentyl phthalate   | 210-088-4 | 605-50-5   | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |  |  |
| Diethyl sulphate  | 200-589-6 | 64-67-5    | 19-Dec-2012       | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b)             | ED/169/2012 |  |  |

| Substance name<br>expand / collapse  | EC No.    | CAS No.    | Date of inclusion | Reason for inclusion  | Decision    | IUCLID dataset  |  |
|--|-----------|------------|-------------------|---|-------------|---|--|
| Dibutyltin dichloride (DBTC)   | 211-670-0 | 683-18-1   | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |    |  |
| Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)   | 204-650-8 | 123-77-3   | 19-Dec-2012       | Respiratory sensitising properties (Article 57(f) - human health) | ED/169/2012 |    |  |
| Cyclohexane-1,2-dicarboxylic anhydride<br>all possible combinations of the cis- and trans-isomers<br><br>cis-cyclohexane-1,2-dicarboxylic anhydride EC No.: 236-086-3   CAS No.: 13149-00-3<br>-----<br>Cyclohexane-1,2-dicarboxylic anhydride EC No.: 201-604-9   CAS No.: 85-42-7<br>-----<br>trans-cyclohexane-1,2-dicarboxylic anhydride EC No.: 238-009-9   CAS No.: 14166-21-3 | -         | -          | 19-Dec-2012       | Respiratory sensitising properties (Article 57(f) - human health) | ED/169/2012 |    |  |
| Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)  | 214-604-9 | 1163-19-5  | 19-Dec-2012       | PBT (Article 57d)<br>vPvB (Article 57e)                           | ED/169/2012 |  |  |
| Biphenyl-4-ylamine   | 202-177-1 | 92-67-1    | 19-Dec-2012       | Carcinogenic (Article 57a)  | ED/169/2012 |  |  |
| Acetic acid, lead salt, basic  | 257-175-3 | 51404-69-4 | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |  |  |
| [Phthalato(2-)]dioxotrilead  | 273-688-5 | 69011-06-9 | 19-Dec-2012       | Toxic for reproduction (Article 57c)                              | ED/169/2012 |  |  |
| 6-methoxy-m-toluidine (p-cresidine)  | 204-419-1 | 120-71-8   | 19-Dec-2012       | Carcinogenic (Article 57a)  | ED/169/2012 |  |  |

| Substance name<br>expand / collapse  | EC No.    | CAS No. | Date of inclusion | Reason for inclusion  | Decision    | IUCLID dataset  |  |
|--|-----------|---------|-------------------|---|-------------|---|--|
| <div><b>4-Nonylphenol, branched and linear</b></div> <div>substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof</div> <div><b>p-nonylphenol</b> EC No.: 203-199-4   CAS No.: 104-40-5</div> <div><b>4-(1-ethyl-1-methylhexyl)phenol</b> EC No.: 257-907-1   CAS No.: 52427-13-1</div> <div><b>4-(1-Ethyl-1,4-dimethylpentyl)phenol</b> EC No.: -   CAS No.: 142731-63-3</div> <div><b>4-(1-Ethyl-1,3-dimethylpentyl)phenol</b> EC No.: -   CAS No.: 186825-36-5</div> <div><b>Phenol, 4-nonyl-, branched</b> EC No.: 284-325-5   CAS No.: 84852-15-3</div> <div><b>p-(1,1-dimethylheptyl)phenol</b> EC No.: 250-339-5   CAS No.: 30784-30-6</div> <div><b>p-(1-methyloctyl)phenol</b> EC No.: 241-427-4   CAS No.: 17404-66-9</div> <div><b>p-isononylphenol</b> EC No.: 247-770-6   CAS No.: 26543-97-5</div> <div><b>Phenol, nonyl-, branched</b> EC No.: 291-844-0   CAS No.: 90481-04-2</div> <div><b>4-(1,1,5-Trimethylhexyl)phenol</b> EC No.: -   CAS No.: 521947-27-3</div> <div><b>Nonylphenol</b> EC No.: 246-672-0   CAS No.: 25154-52-3</div> <div><b>4-(3-ethylheptan-2-yl)phenol</b> EC No.: -   CAS No.: 186825-39-8</div> <div><b>Isononylphenol</b> EC No.: 234-284-4   CAS No.: 11066-49-2</div> | -         | -       | 19-Dec-2012       | Endocrine disrupting properties (Article 57(f) - environment) | ED/169/2012 |    |  |
| <b>4-methyl-m-phenylenediamine (toluene-2,4-diamine)</b>   | 202-453-1 | 95-80-7 | 19-Dec-2012       | Carcinogenic (Article 57a)                                    | ED/169/2012 |  |  |
| <b>4-aminoazobenzene</b>   | 200-453-6 | 60-09-3 | 19-Dec-2012       | Carcinogenic (Article 57a)                                    | ED/169/2012 |  |  |

| <div>Substance name</div> <div>expand / collapse</div>  | EC No.    | CAS No.     | Date of inclusion | Reason for inclusion  | Decision    | IUCLID dataset  |  |
|---|-----------|-------------|-------------------|---|-------------|---|--|
| <div><b>4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated</b></div> <div>covering well-defined substances and UVCB substances, polymers and homologues</div> <div><b>20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol</b> EC No.: 219-682-8   CAS No.: 2497-59-8</div> <div><b>Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-</b> EC No.: -   CAS No.: 9036-19-5</div> <div><b>2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol</b> EC No.: -   CAS No.: 2315-67-5</div> <div><b>2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethanol</b> EC No.: -   CAS No.: 2315-61-9</div> <div><b>Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether</b> EC No.: -   CAS No.: 9002-93-1</div> | -         | -           | 19-Dec-2012       | Endocrine disrupting properties (Article 57(f) - environment) | ED/169/2012 |    |  |
| <div><b>4,4'-oxydianiline and its salts</b></div> <div><b>4,4'-oxydianiline</b> EC No.: 202-977-0   CAS No.: 101-80-4</div>   | -         | -           | 19-Dec-2012       | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b)         | ED/169/2012 |  |  |
| <div><b>4,4'-methylenedi-o-toluidine</b></div>  | 212-658-8 | 838-88-0    | 19-Dec-2012       | Carcinogenic (Article 57a)                                    | ED/169/2012 |  |  |
| <div><b>3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine</b></div> <div>ZOLDINE MS-PLUS</div>   | 421-150-7 | 143860-04-2 | 19-Dec-2012       | Toxic for reproduction (Article 57c)                          | ED/169/2012 |  |  |
| <div><b>1-bromopropane (n-propyl bromide)</b></div>   | 203-445-0 | 106-94-5    | 19-Dec-2012       | Toxic for reproduction (Article 57c)                          | ED/169/2012 |  |  |
| <div><b>1,2-diethoxyethane</b></div>  | 211-076-1 | 629-14-1    | 19-Dec-2012       | Toxic for reproduction (Article 57c)                          | ED/169/2012 |  |  |
| <div><b>1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear</b></div>   | 284-032-2 | 84777-06-0  | 19-Dec-2012       | Toxic for reproduction (Article 57c)                          | ED/169/2012 |  |  |
| <div><b>α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)</b></div> <div>with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)</div>  | 229-851-8 | 6786-83-0   | 18-Jun-2012       | Carcinogenic (Article 57a)                                    | ED/87/2012  |  |  |
| <div><b>N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)</b></div>  | 202-959-2 | 101-61-1    | 18-Jun-2012       | Carcinogenic (Article 57a)                                    | ED/87/2012  |  |  |
| <div><b>Lead(II) bis(methanesulfonate)</b></div> <div>-</div>   | 401-750-5 | 17570-76-2  | 18-Jun-2012       | Toxic for reproduction (Article 57c)                          | ED/87/2012  |  |  |
| <div><b>Formamide</b></div>   | 200-842-0 | 75-12-7     | 18-Jun-2012       | Toxic for reproduction (Article 57c)                          | ED/87/2012  |  |  |
| <div><b>Diboron trioxide</b></div>  | 215-125-8 | 1303-86-2   | 18-Jun-2012       | Toxic for reproduction (Article 57c)                          | ED/87/2012  |  |  |







| <div>Substance name</div> <div>expand / collapse</div>   | EC No.    | CAS No.    | Date of inclusion | Reason for inclusion   | Decision                 | IUCLID dataset  |  |
|--|-----------|------------|-------------------|--|--------------------------|---|--|
| <div><b>[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)</b></div> <div>with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)</div>   | 219-943-6 | 2580-56-5  | 18-Jun-2012       | Carcinogenic (Article 57a)   | ED/87/2012               |    |  |
| <div><b>[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)</b></div> <div>with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)</div>   | 208-953-6 | 548-62-9   | 18-Jun-2012       | Carcinogenic (Article 57a)   | ED/87/2012               |    |  |
| <div><b>4,4'-bis(dimethylamino)benzophenone (Michler's ketone)</b></div>   | 202-027-5 | 90-94-8    | 18-Jun-2012       | Carcinogenic (Article 57a)   | ED/87/2012               |    |  |
| <div><b>4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol</b></div> <div>with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)</div>   | 209-218-2 | 561-41-1   | 18-Jun-2012       | Carcinogenic (Article 57a)   | ED/87/2012               |    |  |
| <div><b>1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)</b></div> <div>-</div>   | 423-400-0 | 59653-74-6 | 18-Jun-2012       | Mutagenic (Article 57b)  | ED/87/2012               |  |  |
| <div><b>1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)</b></div>   | 219-514-3 | 2451-62-9  | 18-Jun-2012       | Mutagenic (Article 57b)  | ED/87/2012               |  |  |
| <div><b>1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)</b></div>  | 203-977-3 | 112-49-2   | 18-Jun-2012       | Toxic for reproduction (Article 57c)                               | ED/87/2012               |  |  |
| <div><b>1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)</b></div>   | 203-794-9 | 110-71-4   | 18-Jun-2012       | Toxic for reproduction (Article 57c)                               | ED/87/2012               |  |  |
| <div><b>Zirconia Aluminosilicate Refractory Ceramic Fibres</b></div> <div>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight</div> <div><b>Refractories, fibers, aluminosilicate</b> EC No.: -   CAS No.: 142844-00-6</div> | -         | -          | 19-Dec-2011       | Carcinogenic (Article 57a)   | ED/77/2011<br>ED/95/2012 |  |  |
| <div><b>Trilead diarsenate</b></div>   | 222-979-5 | 3687-31-8  | 19-Dec-2011       | Carcinogenic (Article 57a)<br>Toxic for reproduction (Article 57c) | ED/77/2011               |  |  |
| <div><b>Potassium hydroxyoctaoxodizincatedichromate</b></div>  | 234-329-8 | 11103-86-9 | 19-Dec-2011       | Carcinogenic (Article 57a)   | ED/77/2011               |  |  |
| <div><b>Phenolphthalein</b></div>  | 201-004-7 | 77-09-8    | 19-Dec-2011       | Carcinogenic (Article 57a)   | ED/77/2011               |  |  |
| <div><b>Pentazinc chromate octahydroxide</b></div>   | 256-418-0 | 49663-84-5 | 19-Dec-2011       | Carcinogenic (Article 57a)   | ED/77/2011               |  |  |
| <div><b>N,N-dimethylacetamide</b></div>  | 204-826-4 | 127-19-5   | 19-Dec-2011       | Toxic for reproduction (Article 57c)                               | ED/77/2011               |  |  |

| <div>Substance name</div> <div>expand / collapse</div>  | EC No.    | CAS No.             | Date of inclusion | Reason for inclusion  | Decision                 | IUCLID dataset  |  |
|---|-----------|---------------------|-------------------|---|--------------------------|---|--|
| Lead styphnate  | 239-290-0 | 15245-44-0          | 19-Dec-2011       | Toxic for reproduction (Article 57c)                          | ED/77/2011               |    |  |
| Lead dipicrate  | 229-335-2 | 6477-64-1           | 19-Dec-2011       | Toxic for reproduction (Article 57c)                          | ED/77/2011               |    |  |
| Lead diazide, Lead azide  | 236-542-1 | 13424-46-9          | 19-Dec-2011       | Toxic for reproduction (Article 57c)                          | ED/77/2011               |    |  |
| Formaldehyde, oligomeric reaction products with aniline   | 500-036-1 | 25214-70-4          | 19-Dec-2011       | Carcinogenic (Article 57a)                                    | ED/77/2011               |    |  |
| Dichromium tris(chromate)   | 246-356-2 | 24613-89-6          | 19-Dec-2011       | Carcinogenic (Article 57a)                                    | ED/77/2011               |    |  |
| Calcium arsenate  | 231-904-5 | 7778-44-1           | 19-Dec-2011       | Carcinogenic (Article 57a)                                    | ED/77/2011               |    |  |
| Bis(2-methoxyethyl) phthalate   | 204-212-6 | 117-82-8            | 19-Dec-2011       | Toxic for reproduction (Article 57c)                          | ED/77/2011               |    |  |
| Bis(2-methoxyethyl) ether   | 203-924-4 | 111-96-6            | 19-Dec-2011       | Toxic for reproduction (Article 57c)                          | ED/77/2011               |    |  |
| Arsenic acid  | 231-901-9 | 7778-39-4           | 19-Dec-2011       | Carcinogenic (Article 57a)                                    | ED/77/2011               |  |  |
| <div>Aluminosilicate Refractory Ceramic Fibres</div> <div>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight</div> <div>Refractories, fibers, aluminosilicate EC No.: -   CAS No.: 142844-00-6</div> | -         | -                   | 19-Dec-2011       | Carcinogenic (Article 57a)                                    | ED/77/2011<br>ED/95/2012 |  |  |
| 4-(1,1,3,3-tetramethylbutyl)phenol  | 205-426-2 | 140-66-9            | 19-Dec-2011       | Endocrine disrupting properties (Article 57(f) - environment) | ED/77/2011               |  |  |
| 2-Methoxyaniline, o-Anisidine   | 201-963-1 | 90-04-0             | 19-Dec-2011       | Carcinogenic (Article 57a)                                    | ED/77/2011               |  |  |
| 2,2'-dichloro-4,4'-methylenedianiline   | 202-918-9 | 101-14-4            | 19-Dec-2011       | Carcinogenic (Article 57a)                                    | ED/77/2011               |  |  |
| 1,2-dichloroethane  | 203-458-1 | 107-06-2            | 19-Dec-2011       | Carcinogenic (Article 57a)                                    | ED/77/2011               |  |  |
| Strontium chromate  | 232-142-6 | 7789-06-2           | 20-Jun-2011       | Carcinogenic (Article 57a)                                    | ED/31/2011               |  |  |
| Hydrazine   | 206-114-9 | 302-01-2, 7803-57-8 | 20-Jun-2011       | Carcinogenic (Article 57a)                                    | ED/31/2011               |  |  |
| 2-ethoxyethyl acetate   | 203-839-2 | 111-15-9            | 20-Jun-2011       | Toxic for reproduction (Article 57c)                          | ED/31/2011               |  |  |
| 1-Methyl-2-pyrrolidone (NMP)  | 212-828-1 | 872-50-4            | 20-Jun-2011       | Toxic for reproduction (Article 57c)                          | ED/31/2011               |  |  |



| <div>Substance name</div> <div>expand / collapse</div>   | EC No.    | CAS No.    | Date of inclusion | Reason for inclusion  | Decision   | IUCLID dataset  |  |
|--|-----------|------------|-------------------|---|------------|---|--|
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters  | 271-084-6 | 68515-42-4 | 20-Jun-2011       | Toxic for reproduction (Article 57c)  | ED/31/2011 |    |  |
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich   | 276-158-1 | 71888-89-6 | 20-Jun-2011       | Toxic for reproduction (Article 57c)  | ED/31/2011 |    |  |
| 1,2,3-trichloropropane   | 202-486-1 | 96-18-4    | 20-Jun-2011       | Carcinogenic (Article 57a)<br>Toxic for reproduction (Article 57c)                            | ED/31/2011 |    |  |
| Cobalt(II) sulphate  | 233-334-2 | 10124-43-3 | 15-Dec-2010       | Carcinogenic (Article 57a)<br>Toxic for reproduction (Article 57c)                            | ED/95/2010 |    |  |
| Cobalt(II) dinitrate   | 233-402-1 | 10141-05-6 | 15-Dec-2010       | Carcinogenic (Article 57a)<br>Toxic for reproduction (Article 57c)                            | ED/95/2010 |    |  |
| Cobalt(II) diacetate   | 200-755-8 | 71-48-7    | 15-Dec-2010       | Carcinogenic (Article 57a)<br>Toxic for reproduction (Article 57c)                            | ED/95/2010 |    |  |
| Cobalt(II) carbonate   | 208-169-4 | 513-79-1   | 15-Dec-2010       | Carcinogenic (Article 57a)<br>Toxic for reproduction (Article 57c)                            | ED/95/2010 |  |  |
| Chromium trioxide  | 215-607-8 | 1333-82-0  | 15-Dec-2010       | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b)   | ED/95/2010 |  |  |
| Acids generated from chromium trioxide and their oligomers<br><br>Chromic acid EC No.: 231-801-5   CAS No.: 7738-94-5<br><br>Oligomers of chromic acid and dichromic acid EC No.: -   CAS No.: -<br><br>Dichromic acid EC No.: 236-881-5   CAS No.: 13530-68-2 | -         | -          | 15-Dec-2010       | Carcinogenic (Article 57a)  | ED/95/2010 |  |  |
| 2-methoxyethanol   | 203-713-7 | 109-86-4   | 15-Dec-2010       | Toxic for reproduction (Article 57c)  | ED/95/2010 |  |  |
| 2-ethoxyethanol  | 203-804-1 | 110-80-5   | 15-Dec-2010       | Toxic for reproduction (Article 57c)  | ED/95/2010 |  |  |
| Trichloroethylene  | 201-167-4 | 79-01-6    | 18-Jun-2010       | Carcinogenic (Article 57a)  | ED/30/2010 |  |  |
| Tetraboron disodium heptaoxide, hydrate  | 235-541-3 | 12267-73-1 | 18-Jun-2010       | Toxic for reproduction (Article 57c)  | ED/30/2010 |  |  |
| Sodium chromate  | 231-889-5 | 7775-11-3  | 18-Jun-2010       | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b)<br>Toxic for reproduction (Article 57c) | ED/30/2010 |  |  |
| Potassium dichromate   | 231-906-6 | 7778-50-9  | 18-Jun-2010       | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b)<br>Toxic for reproduction (Article 57c) | ED/30/2010 |  |  |
| Potassium chromate   | 232-140-5 | 7789-00-6  | 18-Jun-2010       | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b)   | ED/30/2010 |  |  |



| <div>Substance name</div> <div>expand / collapse</div>   | EC No.    | CAS No.                          | Date of inclusion | Reason for inclusion  | Decision   | IUCLID dataset  |  |
|--|-----------|----------------------------------|-------------------|---|------------|---|--|
| Disodium tetraborate, anhydrous  | 215-540-4 | 12179-04-3, 1303-96-4, 1330-43-4 | 18-Jun-2010       | Toxic for reproduction (Article 57c)  | ED/30/2010 |    |  |
| <div><b>Boric acid</b></div> <div>EC No. 233-139-2 and EC No. 234-343-4</div> <div><b>Boric acid, crude natural</b> EC No.: 234-343-4   CAS No.: 11113-50-1</div> <div></div> <div><b>Boric acid</b> EC No.: 233-139-2   CAS No.: 10043-35-3</div> | -         | -                                | 18-Jun-2010       | Toxic for reproduction (Article 57c)  | ED/30/2010 |    |  |
| Ammonium dichromate  | 232-143-1 | 7789-09-5                        | 18-Jun-2010       | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b)<br>Toxic for reproduction (Article 57c) | ED/30/2010 |    |  |
| Acrylamide   | 201-173-7 | 79-06-1                          | 30-Mar-2010       | Carcinogenic (Article 57a)<br>Mutagenic (Article 57b)   | ED/68/2009 |  |  |
| Tris(2-chloroethyl) phosphate  | 204-118-5 | 115-96-8                         | 13-Jan-2010       | Toxic for reproduction (Article 57c)  | ED/68/2009 |  |  |
| <div>Pitch, coal tar, high-temp.</div> <div>-</div>  | 266-028-2 | 65996-93-2                       | 13-Jan-2010       | Carcinogenic (Article 57a)<br>PBT (Article 57d)<br>vPvB (Article 57e)                         | ED/68/2009 |  |  |
| <div>Lead sulfochromate yellow (C.I. Pigment Yellow 34)</div> <div>-</div>   | 215-693-7 | 1344-37-2                        | 13-Jan-2010       | Carcinogenic (Article 57a)<br>Toxic for reproduction (Article 57c)                            | ED/68/2009 |  |  |

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