



Declaration of REACH Compliance

We, Taoglas Ltd., hereby declare that all our products manufactured as of January 21, 2025 are in full compliance with 247 Substances of Very High Concern (SVHC) except Lead (CAS No.7439-92-1) and Boron oxide (CAS No. 1303-86-2) as listed by the European Chemicals Agency (ECHA) under the provisions of Regulation (EC) No. 1907/2006 of the European Parliament and of the council concerning the Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH).

This document also certifies that as of this date no Taoglas products contain any chemicals except Lead (CAS No.7439-92-1) and Boron oxide (CAS No. 1303-86-2) in the Candidate List of 247 Substances of Very High Concern for authorization.

The list of candidate substances is available here
<https://echa.europa.eu/candidate-list-table>

Lead is present in copper alloy and electronic part which applied on connector and thick film res but they are exempted under the RoHS directive (2011/65/EU) exemption 6C and 7C-1. Boron oxide is only present in thick film res and ceramic cap.

Our products have been evaluated for the presence of the substances restricted under Article 67 of REACH (Annex XVII) as updated BY ECHA on November 12, 2024. The product(s) and/or articles* contained within the product(s) CONTAIN the restricted substance, Nickel and its compounds, which do not come into direct contact with human skin.

Compliance is evidenced by written declaration from our suppliers, assuring that any potential trace contamination levels of the substances listed are below the maximum level set by EU 1907/2006, or are exempt due to their application.

The products supplied by Taoglas Limited meet the requirements of EU 1907/2006; however, some assemblies are customized to client specifications. Addition of specialized, customer-specified materials or processes which do not meet the requirements of EU 1907/2006 may negate REACH compliance of the assembly. To guarantee compliance of the assembly, the need for compliant product must be communicated to Taoglas in written form.

This declaration is issued based on our current level of knowledge and covers all products. Part numbers will remain the same. Since conditions of use are outside our control, Taoglas Limited makes no warranties, express or implied, and assumes no liability in connection with the use of this information.

Yours sincerely,

Dermot O'Shea

Dermot O'Shea
Taoglas CEO – Group Executive



Candidate list of Substances

| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|---|-----------|--------------|-------------------|---|----------------|
| reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives | 421-820-9 | 192268-65-8 | 21-Jan-2025 | PBT (Article 57d) | D(2024)7663-DC |
| Perfluamine | 206-420-2 | 338-83-0 | 21-Jan-2025 | vPvB (Article 57e) | D(2024)7663-DC |
| Octamethyltrisiloxane | 203-497-4 | 107-51-7 | 21-Jan-2025 | vPvB (Article 57e) | D(2024)7663-DC |
| O,O,O-triphenyl phosphorothioate | 209-909-9 | 597-82-0 | 21-Jan-2025 | PBT (Article 57d) | D(2024)7663-DC |
| 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid | 701-118-1 | 2156592-54-8 | 21-Jan-2025 | Toxic for reproduction (Article 57c) | D(2024)7663-DC |
| Triphenyl phosphate | 204-112-2 | 115-86-6 | 07-Nov-2024 | Endocrine disrupting properties (Article 57(f) - environment) | D(2024)6225-DC |
| Bis(α,α -dimethylbenzyl) peroxide | 201-279-3 | 80-43-3 | 27-Jun-2024 | Toxic for reproduction (Article 57c) | D(2024)4144-DC |
| Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol Phenol, methylstyrenated EC No.: 270-966-8 CAS No.: 68512-30-1 | 700-960-7 | - | 23-Jan-2024 | vPvB (Article 57e) | D(2023)8585-DC |
| Bumetizole (UV-326) | 223-445-4 | 3896-11-5 | 23-Jan-2024 | vPvB (Article 57e) | D(2023)8585-DC |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 438-340-0 | 119344-86-4 | 23-Jan-2024 | Toxic for reproduction (Article 57c) | D(2023)8585-DC |
| 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) | 221-573-5 | 3147-75-9 | 23-Jan-2024 | vPvB (Article 57e) | D(2023)8585-DC |
| 2,4,6-tri-tert-butylphenol | 211-989-5 | 732-26-3 | 23-Jan-2024 | Toxic for reproduction (Article 57c) PBT(Article 57d) | D(2023)8585-DC |
| diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 278-355-8 | 75980-60-8 | 14-Jun-2023 | Toxic for reproduction (Article 57c) | D(2023)3788-DC |
| bis(4-chlorophenyl) sulphone | 201-247-9 | 80-07-9 | 14-Jun-2023 | vPvB (Article 57e) | D(2023)3788-DC |
| reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine | 473-390-7 | - | 17-Jan-2023 | vPvB (Article 57e) | D(2022)9120-DC |



| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|--|-----------|-------------|-------------------|---|-----------------|
| Perfluoroheptanoic acid and its salts Ammonium perfluoroheptanoate EC No.: 228-098-2 CAS No.: 6130-43-4 potassium perfluoroheptanoate EC No.: - CAS No.: 21049-36-5 Sodium perfluoroheptanoate EC No.: 243-518-4 CAS No.: 20109-59-5 Perfluoroheptanoic acid EC No.: 206-798-9 CAS No.: 375-85-9 | - | - | 17-Jan-2023 | Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | D(2022)9120-DC |
| Melamine | 203-615-4 | 108-78-1 | 17-Jan-2023 | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | D(2022)9120-DC |
| Isobutyl 4-hydroxybenzoate | 224-208-8 | 4247-02-3 | 17-Jan-2023 | Endocrine disrupting properties (Article 57(f) - human health) | D(2022)9120-DC |
| bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof Bis(2-ethylhexyl) tetrabromophthalate EC No.: 247-426-5 CAS No.: 26040-51-7 | - | - | 17-Jan-2023 | vPvB (Article 57e) | D(2022)9120-DC |
| Barium diboron tetraoxide | 237-222-4 | 13701-59-2 | 17-Jan-2023 | Toxic for reproduction (Article 57c) | D(2022)9120-DC |
| 4,4'-sulphonyldiphenol | 201-250-5 | 80-09-1 | 17-Jan-2023 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | D(2022)9120-DC |
| 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | 201-236-9 | 79-94-7 | 17-Jan-2023 | Carcinogenic (Article 57a) | D(2022)9120-DC |
| 1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] | 253-692-3 | 37853-59-1 | 17-Jan-2023 | vPvB (Article 57e) | D(2022)9120-DC |
| N-(hydroxymethyl)acrylamide | 213-103-2 | 924-42-5 | 10-Jun-2022 | Carcinogenic (Article 57a) Mutagenic (Article 57b) | D(2022)4187-DC |
| tris(2-methoxyethoxy)vinylsilane | 213-934-0 | 1067-53-4 | 17-Jan-2022 | Toxic for reproduction (Article 57c) | D(2021)10043-DC |
| S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 401-850-9 | 255881-94-8 | 17-Jan-2022 | PBT (Article 57d) | D(2021)10043-DC |



| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|---|-----------|----------|-------------------|--|--------------------|
| 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol | 204-327-1 | 119-47-1 | 17-Jan-2022 | Toxic for reproduction (Article 57c) | D(2021)10043-DC |
| (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) (3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: - CAS No.: 1782069-81-1 (1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: - CAS No.: 95342-41-9 (1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: - CAS No.: 852541-25-4 (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one EC No.: 253-242-6 CAS No.: 36861-47-9 (1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: - CAS No.: 741687-98-9 (1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: - CAS No.: 852541-30-1 (1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: - CAS No.: 852541-21-0 | - | - | 17-Jan-2022 | Endocrine disrupting properties (Article 57(f) - human health) | D(2021)10043-DC |
| Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) Phenol, dodecyl-, branched EC No.: 310-154-3 CAS No.: 121158-58-5 Phenol, (tetrapropenyl) derivatives EC No.: - CAS No.: 74499-35-7 Phenol, 4-dodecyl, branched EC No.: - CAS No.: 210555-94-5 4-isododecylphenol EC No.: - CAS No.: 27459-10-5 Phenol, tetrapropylene- EC No.: - CAS No.: 57427-55-1 Phenol, 4-isododecyl- EC No.: - CAS No.: 27147-75-7 | - | - | 08/07/2021 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | D(2021)4569-DC |
| orthoboric acid, sodium salt boric acid (H3BO3), sodium salt, hydrate EC No.: - CAS No.: 25747-83-5 Boric acid (H3BO3), disodium salt EC No.: - CAS No.: 22454-04-2 Trisodium orthoborate EC No.: 238-253-6 CAS No.: 14312-40-4 Boric acid, sodium salt EC No.: 215-604-1 CAS No.: 1333-73-9 Orthoboric acid, sodium salt EC No.: 237-560-2 CAS No.: 13840-56-7 Boric acid (H3BO3), sodium salt (1:1) EC No.: - CAS No.: 14890-53-0 | - | - | 08/07/2021 | Toxic for reproduction (Article 57c) | D(2021)4569-DC |
| Medium-chain chlorinated paraffins (MCCP) UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17 Alkanes, C14-16, chloro EC No.: - CAS No.: 1372804-76-6 Alkanes, C14-17, chloro EC No.: 287-477-0 CAS No.: 85535-85-9 di-, tri- and tetrachlorotetradecane EC No.: 950-299-5 CAS No.: - Tetradecane, chloro derivs. EC No.: - CAS No.: 198840-65-2 | - | - | 08/07/2021 | PBT (Article 57d) vPvB (Article 57e) | D(2021)4569-DC |
| glutaral | 203-856-5 | 111-30-8 | 08/07/2021 | Respiratory sensitising properties (Article 57(f) - human health) | D(2021)4569-DC |
| 4,4'-(1-methylpropylidene)bisphenol | 201-025-1 | 77-40-7 | 08/07/2021 | Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | D(2021)4569-DC |
| 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers (2R)-3-(4-tert-butylphenyl)-2-methylpropanal EC No.: - CAS No.: 75166-31-3 2-(4-tert-butylbenzyl)propionaldehyde EC No.: 201-289-8 CAS No.: 80-54-6 (2S)-3-(4-tert-butylphenyl)-2-methylpropanal EC No.: - CAS No.: 75166-30-2 | - | - | 08/07/2021 | Toxic for reproduction (Article 57c) | D(2021)4569-DC.pdf |



| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|--|-----------|------------|-------------------|--|----------------|
| 2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA) 2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA) EC No.: 253-057-0 CAS No.: 36483-57-5 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) EC No.: - CAS No.: 1522-92-5 2,2-bis(bromomethyl)propane-1,3-diol (BMP) EC No.: 221-967-7 CAS No.: 3296-90-0 2,3-dibromo-1-propanol (2,3-DBPA) EC No.: 202-480-9 CAS No.: 96-13-9 | - | - | 08/07/2021 | Carcinogenic (Article 57a) | D(2021)4569-DC |
| 1,4-dioxane | 204-661-8 | 123-91-1 | 08/07/2021 | Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | D(2021)4569-DC |
| Diocetyl dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. EC No.: - CAS No.: - Stannane, dioctyl-, bis(coco acyloxy) derivs. EC No.: 293-901-5 CAS No.: 91648-39-4 Diocetyl dilaurate EC No.: 222-883-3 CAS No.: 3648-18-8 | - | - | 19/01/2021 | Toxic for reproduction (Article 57c) | D(2020)9139-DC |
| Bis(2-(2-methoxyethoxy)ethyl)ether | 205-594-7 | 143-24-8 | 19/01/2021 | Toxic for reproduction (Article 57c) | D(2020)9139-DC |
| Dibutylbis(pentane-2,4-dionato-O,O')tin | 245-152-0 | 22673-19-4 | 25/06/2020 | Toxic for reproduction (Article 57c) | D(2020)4578-DC |
| Butyl 4-hydroxybenzoate | 202-318-7 | 94-26-8 | 25/06/2020 | Endocrine disrupting properties (Article 57(f) - human health) | D(2020)4578-DC |
| 2-methylimidazole | 211-765-7 | 693-98-1 | 25/06/2020 | Toxic for reproduction (Article 57c) | D(2020)4578-DC |
| 1-vinylimidazole | 214-012-0 | 1072-63-5 | 25/06/2020 | Toxic for reproduction (Article 57c) | D(2020)4578-DC |



| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|--|-----------|-------------|-------------------|--|---|
| Perfluorobutane sulfonic acid (PFBS) and its salts N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate EC No.: 700-536-1 CAS No.: 25628-08-4 | | | 16/01/2020 | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | ECHA_01_2020.p df |
| Diisohexyl phthalate | 276-090-2 | 71850-09-4 | 16/01/2020 | Toxic for reproduction (Article 57c) | ECHA_01_2020.p df |
| 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 400-600-6 | 71868-10-5 | 16/01/2020 | Toxic for reproduction (Article 57c) | ECHA_01_2020.p df |
| 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 404-360-3 | 119313-12-1 | 16/01/2020 | Toxic for reproduction (Article 57c) | ECHA_01_2020.p df |
| Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) tris(4-nonylphenyl, branched) phosphite EC No.: 701-028-2 CAS No.: - Tris(nonylphenyl) phosphite EC No.: 247-759-6 CAS No.: 26523-78-4 Phenol, 4-nonyl-, phosphite (3:1) EC No.: 608-492-4 CAS No.: 3050-88-2 | - | - | 16/07/2019 | Endocrine disrupting properties (Article 57(f) - environment) | ED/71/2019 |
| 4-tert-butylphenol | 202-679-0 | 98-54-4 | 16/07/2019 | Endocrine disrupting properties (Article 57(f) - environment) | ED/71/2019 EU/2019/1194 |
| 2-methoxyethyl acetate | 203-772-9 | 110-49-6 | 16/07/2019 | Toxic for reproduction (Article 57c) | ED/71/2019 |
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionate EC No.: 266-578-3 CAS No.: 67118-55-2 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid EC No.: 236-236-8 CAS No.: 13252-13-6 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride EC No.: 218-173-8 CAS No.: 2062-98-8 Ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate EC No.: 700-242-3 CAS No.: 62037-80-3 | - | - | 16/07/2019 | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | ED/71/2019 |
| Pyrene | 204-927-3 | 129-00-0 | 15/01/2019 | PBT (Article 57d) vPvB (Article 57e) | ED/88/2018 |
| Phenanthrene | 201-581-5 | 85-01-8 | 15/01/2019 | vPvB (Article 57e) | ED/88/2018 |
| Fluoranthene | 205-912-4 | 206-44-0 | 15/01/2019 | PBT (Article 57d) vPvB (Article 57e) | ED/88/2018 |
| Benzo[k]fluoranthene | 205-916-6 | 207-08-9 | 15/01/2019 | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | ED/88/2018 |
| 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 401-720-1 | 6807-17-6 | 15/01/2019 | Toxic for reproduction (Article 57c) | ED/88/2018 |
| 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one 3-benzylidene camphor; 3-BC | 239-139-9 | 15087-24-8 | 15/01/2019 | Endocrine disrupting properties (Article 57(f) - environment) | ED/88/2018 EU/2018/2013 |
| Terphenyl, hydrogenated | 262-967-7 | 61788-32-7 | 27/06/2018 | vPvB (Article 57e) | ED/61/2018 |
| Octamethylcyclotetrasiloxane D4 | 209-136-7 | 556-67-2 | 27/06/2018 | PBT (Article 57d) vPvB (Article 57e) | ED/61/2018 |
| Lead | 231-100-4 | 7439-92-1 | 27/06/2018 | Toxic for reproduction (Article 57c) | ED/61/2018 |
| Ethylenediamine EDA | 203-468-6 | 107-15-3 | 27/06/2018 | Respiratory sensitising properties (Article 57(f) - human health) | ED/61/2018 |
| Dodecamethylcyclohexasiloxane D6 | 208-762-8 | 540-97-6 | 27/06/2018 | PBT (Article 57d) vPvB (Article 57e) | ED/61/2018 |
| Disodium octaborate | 234-541-0 | 12008-41-2 | 27/06/2018 | Toxic for reproduction (Article 57c) | ED/61/2018 |
| Dicyclohexyl phthalate DCHP | 201-545-9 | 84-61-7 | 27/06/2018 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health) | EU/2018/6 36 ED/61/20 18 |
| Decamethylcyclopentasiloxane D5 | 208-764-9 | 541-02-6 | 27/06/2018 | PBT (Article 57d) vPvB (Article 57e) | ED/61/2018 |
| Benzo[ghi]perylene | 205-883-8 | 191-24-2 | 27/06/2018 | PBT (Article 57d) vPvB (Article 57e) | ED/61/2018 |
| Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA | 209-008-0 | 552-30-7 | 27/06/2018 | Respiratory sensitising properties (Article 57(f) - human health) | ED/61/20 18 EU/2018/5 |



| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|--|-----------|------------|-------------------|---|---|
| Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl) Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs. EC No.: 939-460-0 CAS No.: - Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine EC No.: 300-298-5 CAS No.: 93925-00-9 | - | - | 15/01/2018 | Endocrine disrupting properties (Article 57(f) - environment) | ED/01/2018 |
| Chrysene | 205-923-4 | 218-01-9 | 15/01/2018 | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | ED/01/2018 |
| Cadmium nitrate | 233-710-6 | 10325-94-7 | 15/01/2018 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | ED/01/2018 |
| Cadmium hydroxide | 244-168-5 | 21041-95-2 | 15/01/2018 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | ED/01/2018 |
| Cadmium carbonate | 208-168-9 | 513-78-0 | 15/01/2018 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | ED/01/2018 |
| Benz[a]anthracene | 200-280-6 | 56-55-3 | 15/01/2018 | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | ED/01/2018 |
| 1,6,7,8,9,14,15,16,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10] octadeca-7,15-diene ("Dechlorane Plus™") covering any of its individual anti- and syn-isomers or any combination thereof 1,6,7,8,9,14,15,16,17,18,18-dodecachloropentacyclo[12.2.1.16,9.02,13.05,10] octadeca-7,15-diene EC No.: 236-948-9 CAS No.: 13560-89-9 rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e] cyclooctene EC No.: - CAS No.: - rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e] cyclooctene EC No.: - CAS No.: - | - | - | 15/01/2018 | vPvB (Article 57e) | ED/01/2018 |
| Perfluorohexane-1-sulphonic acid and its salts PFHxS Potassium perfluorohexane-1-sulphonate EC No.: 223-393-2 CAS No.: 3871-99-6 Perfluorohexane-1-sulphonic acid EC No.: 206-587-1 CAS No.: 355-46-4 Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1) EC No.: 274-462-9 CAS No.: 70225-16-0 Ammonium perfluorohexane-1-sulphonate EC No.: 269-511-6 CAS No.: 68259-08-5 | - | - | 07/07/2017 | vPvB (Article 57e) | ED/30/2017 |
| p-(1,1-dimethylpropyl)phenol | 201-280-9 | 80-46-6 | 12/01/2017 | Endocrine disrupting properties (Article 57(f) - environment) | ED/01/2017 |
| Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Nonadecafluorodecanoic acid EC No.: 206-400-3 CAS No.: 335-76-2 Ammonium nonadecafluorodecanoate EC No.: 221-470-5 CAS No.: 3108-42-7 Decanoic acid, nonadecafluoro-, sodium salt EC No.: - CAS No.: 3830-45-3 | - | - | 12/01/2017 | Toxic for reproduction (Article 57c) PBT (Article 57d) | ED/01/2017 |
| 4-heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof Phenol, heptyl derivs. EC No.: 276-743-1 CAS No.: 72624-02-3 4-heptylphenol EC No.: 217-862-0 CAS No.: 1987-50-4 | - | - | 12/01/2017 | Endocrine disrupting properties (Article 57(f) - environment) | ED/01/2017 |
| 4,4'-isopropylidenediphenol Bisphenol A; BPA | 201-245-8 | 80-05-7 | 12/01/2017 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | ED/30/2017 ED/01/2017 ED 01/2018 |
| Benzo[def]chrysene (Benzo[a]pyrene) | 200-028-5 | 50-32-8 | 20/06/2016 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e) | ED/21/2016 |



| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|---|-----------|---------------------------|-------------------|--|-----------------------|
| Perfluorononan-1-oic-acid and its sodium and ammonium salts Perfluorononan-1-oic-acid EC No.: 206-801-3 CAS No.: 375-95-1 Sodium salts of perfluorononan-1-oic-acid EC No.: - CAS No.: -, 21049-39-8 Ammonium salts of perfluorononan-1-oic-acid EC No.: - CAS No.: -, 4149-60-4 | - | - | 17/12/2015 | Toxic for reproduction (Article 57c) PBT (Article 57d) | ED/79/2015 |
| Nitrobenzene | 202-716-0 | 98-95-3 | 17/12/2015 | Toxic for reproduction (Article 57c) | ED/79/2015 |
| 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 253-037-1 | 36437-37-3 | 17/12/2015 | vPvB (Article 57e) | ED/79/2015 |
| 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 223-383-8 | 3864-99-1 | 17/12/2015 | vPvB (Article 57e) | ED/79/2015 |
| 1,3-propanesultone | 214-317-9 | 1120-71-4 | 17/12/2015 | Carcinogenic (Article 57a) | ED/79/2015 |
| 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] covering any of the individual stereoisomers of [1] and [2] or any combination thereof reaction mass of 5-(sec-butyl)-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-(sec-butyl)-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane EC No.: 413-720-9 CAS No.: 117933-89-8 2-(2,4-Dimethylcyclohex-3-ene-1-yl)-5-methyl-(1-methylpropyl)-1,3-dioxane EC No.: 601-499-3 CAS No.: 117933-89-8 Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1S,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane EC No.: 700-927-7 CAS No.: - 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane EC No.: - CAS No.: - 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane EC No.: - CAS No.: - | - | - | 15/06/2015 | vPvB (Article 57e) | ED/39/2015 |
| 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5) 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters EC No.: 272-013-1 CAS No.: 68648-93-1 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters EC No.: 271-094-0 CAS No.: 68515-51-5 | - | - | 15/06/2015 | Toxic for reproduction (Article 57c) | ED_39_2015.pdf |
| Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) | - | - | 17/12/2014 | Toxic for reproduction (Article 57c) | ED/108/2014 |
| Cadmium sulphate | 233-331-6 | 10124-36-4, 31119-53-6 | 17/12/2014 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | ED/108/2014 |
| Cadmium fluoride | 232-222-0 | 7790-79-6 | 17/12/2014 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | ED/108/2014 |
| 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 239-622-4 | 15571-58-1 | 17/12/2014 | Toxic for reproduction (Article 57c) | ED/108/2014 |
| 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 223-346-6 | 3846-71-7 | 17/12/2014 | PBT (Article 57d) vPvB (Article 57e) | ED/108/2014 |
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 247-384-8 | 25973-55-1 | 17/12/2014 | PBT (Article 57d) vPvB (Article 57e) | ED/108/2014 |
| Sodium peroxometaborate | 231-556-4 | 7632-04-4 | 16/06/2014 | Toxic for reproduction (Article 57c) | ED/49/2014 |
| Sodium perborate, perboric acid, sodium salt Sodium perborate EC No.: 239-172-9 CAS No.: 15120-21-5 Perboric acid, sodium salt EC No.: 234-390-0 CAS No.: 11138-47-9 | - | - | 16/06/2014 | Toxic for reproduction (Article 57c) | ED/49/2014 |



| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|---|-----------|------------|-------------------|--|--------------------|
| Cadmium chloride | 233-296-7 | 10108-64-2 | 16/06/2014 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | ED/49/2014 |
| 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 271-093-5 | 68515-50-4 | 16/06/2014 | Toxic for reproduction (Article 57c) | ED/49/2014 |
| Trixylyl phosphate | 246-677-8 | 25155-23-1 | 16/12/2013 | Toxic for reproduction (Article 57c) | ED/121/2013 |
| Lead di(acetate) | 206-104-4 | 301-04-2 | 16/12/2013 | Toxic for reproduction (Article 57c) | ED/121/2013 |
| Imidazolidine-2-thione (2-imidazoline-2-thiol) | 202-506-9 | 96-45-7 | 16/12/2013 | Toxic for reproduction (Article 57c) | ED/121/2013 |
| Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) | 217-710-3 | 1937-37-7 | 16/12/2013 | Carcinogenic (Article 57a) | ED/121/2013 |
| Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | 209-358-4 | 573-58-0 | 16/12/2013 | Carcinogenic (Article 57a) | ED/121/2013 |
| Dihexyl phthalate | 201-559-5 | 84-75-3 | 16/12/2013 | Toxic for reproduction (Article 57c) | ED/121/2013 |
| Cadmium sulphide | 215-147-8 | 1306-23-6 | 16/12/2013 | Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | ED/121/2013 |
| Pentadecafluorooctanoic acid (PFOA) | 206-397-9 | 335-67-1 | 20/06/2013 | Toxic for reproduction (Article 57c) PBT (Article 57d) | ED/69/2013 |
| Dipentyl phthalate (DPP) | 205-017-9 | 131-18-0 | 20/06/2013 | Toxic for reproduction (Article 57c) | ED/69/2013 |
| Cadmium oxide | 215-146-2 | 1306-19-0 | 20/06/2013 | Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | ED/69/2013 |
| Cadmium | 231-152-8 | 7440-43-9 | 20/06/2013 | Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | ED/69/2013 |
| Ammonium pentadecafluorooctanoate (APFO) | 223-320-4 | 3825-26-1 | 20/06/2013 | Toxic for reproduction (Article 57c) PBT (Article 57d) | ED/69/2013 |



| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|---|-----------|------------|-------------------|---|--------------------|
| <p>4-Nonylphenol, branched and linear, ethoxylated substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof</p> <p>26-(4-nonylphenoxy)-3,6,9,12,15,18,21,24-Octaoxahexacosan-1-ol EC No.: 604-395-6 CAS No.: 14409-72-4</p> <p>2-[2-(4-nonylphenoxy)ethoxy]ethanol EC No.: 243-816-4 CAS No.: 20427-84-3</p> <p>Nonylphenol, branched, ethoxylated 1 - 2.5 moles ethoxylated EC No.: 500-209-1 CAS No.: 68412-54-4</p> <p>4-Nonylphenol, ethoxylated 1 - 2.5 moles ethoxylated EC No.: 500-045-0 CAS No.: 26027-38-3</p> <p>Nonylphenol, ethoxylated EC No.: 500-024-6 CAS No.: 9016-45-9</p> <p>Nonylphenol, ethoxylated (6,5-EO) (9016-45-9) EC No.: 931-753-1 CAS No.: -</p> <p>Nonylphenol, ethoxylated (15-EO) (9016-45-9) EC No.: 931-756-8 CAS No.: -</p> <p>Nonylphenol, ethoxylated (10-EO) (9016-45-9) EC No.: 931-755-2 CAS No.: -</p> <p>Nonylphenol, ethoxylated (8-EO) (9016-45-9) EC No.: 931-754-7 CAS No.: -</p> <p>2-[2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol EC No.: 230-770-5 CAS No.: 7311-27-5</p> <p>20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol EC No.: 248-743-1 CAS No.: 27942-27-4</p> <p>Nonylphenol, branched, ethoxylated (CAS# 68412-54-4) EC No.: 932-688-1 CAS No.: -</p> <p>Nonylphenol, ethoxylated (EO = 4) EC No.: 939-975-0 CAS No.: -</p> <p>Nonylphenol, ethoxylated (polymer) EC No.: 938-618-6 CAS No.: -</p> <p>2-{2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy}ethanol EC No.: 687-833-9 CAS No.: 1119449-38-5</p> <p>2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol EC No.: 687-832-3 CAS No.: 1119449-37-4</p> <p>Nonylphenolpolyglycoether EC No.: 932-998-7 CAS No.: -</p> <p>Nonylphenol, ethoxylated (EO = 10) EC No.: 939-993-9 CAS No.: -</p> <p>Isononylphenol, ethoxylated EC No.: 609-346-2 CAS No.: 37205-87-1</p> <p>4-Nonylphenol, branched, ethoxylated 1 - 2.5 moles ethoxylated EC No.: 500-315-8 CAS No.: 127087-87-0</p> <p>26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol EC No.: 247-816-5 CAS No.: 26571-11-9</p> <p>Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy- (CAS 9016-45-9) EC No.: 931-562-3 CAS No.: 9016-45-9</p> | - | - | 20/06/2013 | Endocrine disrupting properties (Article 57(f)-environment) | ED/69/2013 |
| Trilead dioxide phosphonate | 235-252-2 | 12141-20-7 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Trilead bis(carbonate) dihydroxide | 215-290-6 | 1319-46-6 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Tricosafuorododecanoic acid | 206-203-2 | 307-55-1 | 19/12/2012 | vPvB (Article 57e) | ED/169/2012 |
| Tetralead trioxide sulphate | 235-380-9 | 12202-17-4 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Tetraethyllead | 201-075-4 | 78-00-2 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Sulfurous acid, lead salt, dibasic | 263-467-1 | 62229-08-7 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Silicic acid, lead salt | 234-363-3 | 11120-22-2 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| <p>Silicic acid (H₂Si₂O₅), barium salt (1:1), lead-doped with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD),the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008</p> | 272-271-5 | 68784-75-8 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Pyrochlore, antimony lead yellow | 232-382-1 | 8012-00-8 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Pentalead tetraoxide sulphate | 235-067-7 | 12065-90-6 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Pentacosafuorotridecanoic acid | 276-745-2 | 72629-94-8 | 19/12/2012 | vPvB (Article 57e) | ED/169/2012 |
| Orange lead (lead tetroxide) | 215-235-6 | 1314-41-6 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| o-toluidine | 202-429-0 | 95-53-4 | 19/12/2012 | Carcinogenic (Article 57a) | ED/169/2012 |
| o-aminoazotoluene | 202-591-2 | 97-56-3 | 19/12/2012 | Carcinogenic (Article 57a) | ED/169/2012 |
| n-pentyl-isopentylphthalate | 933-378-9 | - | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| N-methylacetamide | 201-182-6 | 79-16-3 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |



| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|---|-----------|------------|-------------------|---|--------------------|
| N,N-dimethylformamide | 200-679-5 | 68-12-2 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Methyloxirane (Propylene oxide) | 200-879-2 | 75-56-9 | 19/12/2012 | Carcinogenic (Article 57a) Mutagenic (Article 57b) | ED/169/2012 |
| Methoxyacetic acid | 210-894-6 | 625-45-6 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Lead titanium zirconium oxide | 235-727-4 | 12626-81-2 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Lead titanium trioxide | 235-038-9 | 12060-00-3 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Lead oxide sulfate | 234-853-7 | 12036-76-9 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Lead monoxide (lead oxide) | 215-267-0 | 1317-36-8 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Lead dinitrate | 233-245-9 | 10099-74-8 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Lead cyanamidate | 244-073-9 | 20837-86-9 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Lead bis(tetrafluoroborate) | 237-486-0 | 13814-96-5 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers Hexahydro-4-methylphthalic anhydride EC No.: 243-072-0 CAS No.: 19438-60-9 Hexahydro-3-methylphthalic anhydride EC No.: 260-566-1 CAS No.: 57110-29-9 Hexahydro-1-methylphthalic anhydride EC No.: 256-356-4 CAS No.: 48122-14-1 Hexahydromethylphthalic anhydride EC No.: 247-094-1 CAS No.: 25550-51-0 | - | - | 19/12/2012 | Respiratory sensitising properties (Article 57(f) - human health) | ED/169/2012 |
| Heptacosfluorotetradecanoic acid | 206-803-4 | 376-06-7 | 19/12/2012 | vPvB (Article 57e) | ED/169/2012 |
| Henicosfluoroundecanoic acid | 218-165-4 | 2058-94-8 | 19/12/2012 | vPvB (Article 57e) | ED/169/2012 |
| Furan | 203-727-3 | 110-00-9 | 19/12/2012 | Carcinogenic (Article 57a) | ED/169/2012 |
| Fatty acids, C16-18, lead salts | 292-966-7 | 91031-62-8 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Dioxobis(stearato)trilead | 235-702-8 | 12578-12-0 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 201-861-7 | 88-85-7 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Dimethyl sulphate | 201-058-1 | 77-78-1 | 19/12/2012 | Carcinogenic (Article 57a) | ED/169/2012 |
| Diisopentyl phthalate | 210-088-4 | 605-50-5 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Diethyl sulphate | 200-589-6 | 64-67-5 | 19/12/2012 | Carcinogenic (Article 57a) Mutagenic (Article 57b) | ED/169/2012 |
| Dibutyltin dichloride (DBTC) | 211-670-0 | 683-18-1 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) | 204-650-8 | 123-77-3 | 19/12/2012 | Respiratory sensitising properties (Article 57(f) - human health) | ED/169/2012 |
| Cyclohexane-1,2-dicarboxylic anhydride all possible combinations of the cis- and trans-isomers Cyclohexane-1,2-dicarboxylic anhydride EC No.: 201-604-9 CAS No.: 85-42-7 trans-cyclohexane-1,2-dicarboxylic anhydride EC No.: 238-009-9 CAS No.: 14166-21-3 cis-cyclohexane-1,2-dicarboxylic anhydride EC No.: 236-086-3 CAS No.: 13149-00-3 | - | - | 19/12/2012 | Respiratory sensitising properties (Article 57(f) - human health) | ED/169/2012 |
| Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) | 214-604-9 | 1163-19-5 | 19/12/2012 | PBT (Article 57d) vPvB (Article 57e) | ED/169/2012 |
| Biphenyl-4-ylamine | 202-177-1 | 92-67-1 | 19/12/2012 | Carcinogenic (Article 57a) | ED/169/2012 |
| Acetic acid, lead salt, basic | 257-175-3 | 51404-69-4 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| [Phthalato(2-)]dioxotrilead | 273-688-5 | 69011-06-9 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| 6-methoxy-m-toluidine (p-cresidine) | 204-419-1 | 120-71-8 | 19/12/2012 | Carcinogenic (Article 57a) | ED/169/2012 |



| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|--|-----------|-------------|-------------------|---|--------------------|
| 4-Nonylphenol, branched and linear 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 p-isononylphenol EC No.: 247-770-6 CAS No.: 26543-97-5 Phenol, 4-nonyl-, branched EC No.: 284-325-5 CAS No.: 84852-15-3 p-(1-methyloctyl)phenol EC No.: 241-427-4 CAS No.: 17404-66-9 p-nonylphenol EC No.: 203-199-4 CAS No.: 104-40-5 4-(3,5-Dimethyl-3-heptyl)phenol EC No.: 635-389-1 CAS No.: 186825-36-5 4-(3,6-Dimethyl-3-heptyl)phenol EC No.: 635-391-2 CAS No.: 142731-63-3 p-(1,1-dimethylheptyl)phenol EC No.: 250-339-5 CAS No.: 30784-30-6 4-(1-ethyl-1-methylhexyl)phenol EC No.: 257-907-1 CAS No.: 52427-13-1 Nonylphenol EC No.: 246-672-0 CAS No.: 25154-52-3 Isononylphenol EC No.: 234-284-4 CAS No.: 11066-49-2 4-(2,6-Dimethyl-2-heptyl)phenol EC No.: 635-388-6 CAS No.: 521947-27-3 Phenol, nonyl-, branched EC No.: 291-844-0 CAS No.: 90481-04-2 4-(3-ethylheptan-2-yl)phenol EC No.: 635-696-0 CAS No.: 186825-39-8 | - | - | 19/12/2012 | Endocrine disrupting properties (Article 57(f) - environment) | ED/169/2012 |
| 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 202-453-1 | 95-80-7 | 19/12/2012 | Carcinogenic (Article 57a) | ED/169/2012 |
| 4-aminoazobenzene | 200-453-6 | 60-09-3 | 19/12/2012 | Carcinogenic (Article 57a) | ED/169/2012 |
| 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated covering well-defined substances and UVCB substances, polymers and homologues 20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol EC No.: 219-682-8 CAS No.: 2497-59-8 4-tert-Octylphenol monoethoxylate EC No.: 621-345-9 CAS No.: 2315-67-5 2-[2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethoxy]ethanol EC No.: 621-341-7 CAS No.: 2315-61-9 2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethanol EC No.: 618-344-0 CAS No.: 9002-93-1 | - | - | 19/12/2012 | Endocrine disrupting properties (Article 57(f) - environment) | ED/169/2012 |
| 4,4'-oxydianiline and its salts 4,4'-oxydianiline EC No.: 202-977-0 CAS No.: 101-80-4 | - | - | 19/12/2012 | Carcinogenic (Article 57a) Mutagenic (Article 57b) | ED/169/2012 |
| 4,4'-methylenedi-o-toluidine | 212-658-8 | 838-88-0 | 19/12/2012 | Carcinogenic (Article 57a) | ED/169/2012 |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 421-150-7 | 143860-04-2 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| 1-bromopropane (n-propyl bromide) | 203-445-0 | 106-94-5 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| 1,2-diethoxyethane | 211-076-1 | 629-14-1 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear | 284-032-2 | 84777-06-0 | 19/12/2012 | Toxic for reproduction (Article 57c) | ED/169/2012 |
| α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) | 229-851-8 | 6786-83-0 | 18/06/2012 | Carcinogenic (Article 57a) | ED/87/2012 |
| N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 202-959-2 | 101-61-1 | 18/06/2012 | Carcinogenic (Article 57a) | ED/87/2012 |
| Lead(II) bis(methanesulfonate) - | 401-750-5 | 17570-76-2 | 18/06/2012 | Toxic for reproduction (Article 57c) | ED/87/2012 |
| Formamide | 200-842-0 | 75-12-7 | 18/06/2012 | Toxic for reproduction (Article 57c) | ED/87/2012 |
| Diboron trioxide | 215-125-8 | 1303-86-2 | 18/06/2012 | Toxic for reproduction (Article 57c) | ED/87/2012 |
| [4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) | 219-943-6 | 2580-56-5 | 18/06/2012 | Carcinogenic (Article 57a) | ED/87/2012 |
| [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) | 208-953-6 | 548-62-9 | 18/06/2012 | Carcinogenic (Article 57a) | ED/87/2012 |
| 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 202-027-5 | 90-94-8 | 18/06/2012 | Carcinogenic (Article 57a) | ED/87/2012 |
| 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) | 209-218-2 | 561-41-1 | 18/06/2012 | Carcinogenic (Article 57a) | ED/87/2012 |
| 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC) - | 423-400-0 | 59653-74-6 | 18/06/2012 | Mutagenic (Article 57b) | ED/87/2012 |
| 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) | 219-514-3 | 2451-62-9 | 18/06/2012 | Mutagenic (Article 57b) | ED/87/2012 |



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|--|-----------|------------------------|-------------------|--|--|
| 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 203-977-3 | 112-49-2 | 18/06/2012 | Toxic for reproduction (Article 57c) | ED/87/2012 |
| 1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 203-794-9 | 110-71-4 | 18/06/2012 | Toxic for reproduction (Article 57c) | ED/87/2012 |
| Zirconia Aluminosilicate Refractory Ceramic Fibres 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 (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight | - | - | 19/12/2011 | Carcinogenic (Article 57a) | ED/77/2011 ED/95/2012 |
| Trilead diarsenate | 222-979-5 | 3687-31-8 | 19/12/2011 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | ED/77/2011 |
| Potassium hydroxyoctaoxodizincatedichromate | 234-329-8 | 11103-86-9 | 19/12/2011 | Carcinogenic (Article 57a) | ED/77/2011 |
| Phenolphthalein | 201-004-7 | 77-09-8 | 19/12/2011 | Carcinogenic (Article 57a) | ED/77/2011 |
| Pentazinc chromate octahydroxide | 256-418-0 | 49663-84-5 | 19/12/2011 | Carcinogenic (Article 57a) | ED/77/2011 |
| N,N-dimethylacetamide | 204-826-4 | 127-19-5 | 19/12/2011 | Toxic for reproduction (Article 57c) | ED/77/2011 |
| Lead styphnate | 239-290-0 | 15245-44-0 | 19/12/2011 | Toxic for reproduction (Article 57c) | ED/77/2011 |
| Lead dipicrate | 229-335-2 | 6477-64-1 | 19/12/2011 | Toxic for reproduction (Article 57c) | ED/77/2011 |
| Lead diazide, Lead azide | 236-542-1 | 13424-46-9 | 19/12/2011 | Toxic for reproduction (Article 57c) | ED/77/2011 |
| Formaldehyde, oligomeric reaction products with aniline | 500-036-1 | 25214-70-4 | 19/12/2011 | Carcinogenic (Article 57a) | ED/77/2011 |
| Dichromium tris(chromate) | 246-356-2 | 24613-89-6 | 19/12/2011 | Carcinogenic (Article 57a) | ED/77/2011 |
| Calcium arsenate | 231-904-5 | 7778-44-1 | 19/12/2011 | Carcinogenic (Article 57a) | ED/77/2011 |
| Bis(2-methoxyethyl) phthalate | 204-212-6 | 117-82-8 | 19/12/2011 | Toxic for reproduction (Article 57c) | ED/77/2011 |
| Bis(2-methoxyethyl) ether | 203-924-4 | 111-96-6 | 19/12/2011 | Toxic for reproduction (Article 57c) | ED/77/2011 |
| Arsenic acid | 231-901-9 | 7778-39-4 | 19/12/2011 | Carcinogenic (Article 57a) | ED/77/2011 |
| Aluminosilicate Refractory Ceramic Fibres 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 (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight | - | - | 19/12/2011 | Carcinogenic (Article 57a) | ED/77/2011 ED/95/2012 |
| 4-(1,1,3,3-tetramethylbutyl)phenol | 205-426-2 | 140-66-9 | 19/12/2011 | Endocrine disrupting properties (Article 57(f) - environment) | ED/77/2011 |
| 2-Methoxyaniline, o-Anisidine | 201-963-1 | 90-04-0 | 19/12/2011 | Carcinogenic (Article 57a) | ED/77/2011 |
| 2,2'-dichloro-4,4'-methylenedianiline | 202-918-9 | 101-14-4 | 19/12/2011 | Carcinogenic (Article 57a) | ED/77/2011 |
| 1,2-dichloroethane | 203-458-1 | 107-06-2 | 19/12/2011 | Carcinogenic (Article 57a) | ED/77/2011 |
| Strontium chromate | 232-142-6 | 7789-06-2 | 20/06/2011 | Carcinogenic (Article 57a) | ED/31/2011 |
| Hydrazine | 206-114-9 | 302-01-2, 7803-57-8 | 20/06/2011 | Carcinogenic (Article 57a) | ED/31/2011 |
| 2-ethoxyethyl acetate | 203-839-2 | 111-15-9 | 20/06/2011 | Toxic for reproduction (Article 57c) | ED/31/2011 |
| 1-Methyl-2-pyrrolidone (NMP) | 212-828-1 | 872-50-4 | 20/06/2011 | Toxic for reproduction (Article 57c) | ED/31/2011 |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 271-084-6 | 68515-42-4 | 20/06/2011 | 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 | 20/06/2011 | Toxic for reproduction (Article 57c) | ED/31/2011 |
| 1,2,3-trichloropropane | 202-486-1 | 96-18-4 | 20/06/2011 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | ED/31/2011 |



| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|--|-----------|--|-------------------|--|---|
| Cobalt(II) sulphate | 233-334-2 | 10124-43-3 | 15/12/2010 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | ED/95/2010 |
| Cobalt(II) dinitrate | 233-402-1 | 10141-05-6 | 15/12/2010 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | ED/95/2010 |
| Cobalt(II) diacetate | 200-755-8 | 71-48-7 | 15/12/2010 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | ED/95/2010 |
| Cobalt(II) carbonate | 208-169-4 | 513-79-1 | 15/12/2010 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | ED/95/2010 |
| Chromium trioxide | 215-607-8 | 1333-82-0 | 15/12/2010 | Carcinogenic (Article 57a) Mutagenic (Article 57b) | ED/95/2010 |
| Acids generated from chromium trioxide and their oligomers Chromic acid EC No.: 231-801-5 CAS No.: 7738-94-5 Oligomers of chromic acid and dichromic acid EC No.: - CAS No.: - Dichromic acid EC No.: 236-881-5 CAS No.: 13530-68-2 | - | - | 15/12/2010 | Carcinogenic (Article 57a) | ED/95/2010 |
| 2-methoxyethanol | 203-713-7 | 109-86-4 | 15/12/2010 | Toxic for reproduction (Article 57c) | ED/95/2010 |
| 2-ethoxyethanol | 203-804-1 | 110-80-5 | 15/12/2010 | Toxic for reproduction (Article 57c) | ED/95/2010 |
| Trichloroethylene | 201-167-4 | 79-01-6 | 18/06/2010 | Carcinogenic (Article 57a) | ED/30/2010 |
| Tetraboron disodium heptaoxide, hydrate | 235-541-3 | 12267-73-1 | 18/06/2010 | Toxic for reproduction (Article 57c) | ED/30/2010 |
| Sodium chromate | 231-889-5 | 7775-11-3 | 18/06/2010 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) | ED/30/2010 |
| Potassium dichromate | 231-906-6 | 7778-50-9 | 18/06/2010 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) | ED/30/2010 |
| Potassium chromate | 232-140-5 | 7789-00-6 | 18/06/2010 | Carcinogenic (Article 57a) Mutagenic (Article 57b) | ED/30/2010 |
| Disodium tetraborate, anhydrous | 215-540-4 | 12179-04-3, 1303-96-4, 1330-43-4 | 18/06/2010 | Toxic for reproduction (Article 57c) | ED/30/2010 |
| Boric acid EC No. 233-139-2 and EC No. 234-343-4 Boric acid, crude natural EC No.: 234-343-4 CAS No.: 11113-50-1 Boric acid EC No.: 233-139-2 CAS No.: 10043-35-3 | - | - | 18/06/2010 | Toxic for reproduction (Article 57c) | ED/30/2010 |
| Ammonium dichromate | 232-143-1 | 7789-09-5 | 18/06/2010 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) | ED/30/2010 |
| Acrylamide | 201-173-7 | 79-06-1 | 30/03/2010 | Carcinogenic (Article 57a) Mutagenic (Article 57b) | ED/68/2009 |
| Tris(2-chloroethyl) phosphate | 204-118-5 | 115-96-8 | 13/01/2010 | Toxic for reproduction (Article 57c) | ED/68/2009 |
| Pitch, coal tar, high-temp. - | 266-028-2 | 65996-93-2 | 13/01/2010 | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | ED/68/2009 |
| Lead sulfochromate yellow (C.I. Pigment Yellow 34) - | 215-693-7 | 1344-37-2 | 13/01/2010 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | ED/68/2009 |
| Lead chromate molybdate sulphate red (C.I. Pigment Red 104) - | 235-759-9 | 12656-85-8 | 13/01/2010 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | ED/68/2009 |
| Lead chromate | 231-846-0 | 7758-97-6 | 13/01/2010 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | ED/68/2009 |
| Diisobutyl phthalate | 201-553-2 | 84-69-5 | 13/01/2010 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health) | EU/2017/4462 ED/30/2017 ED/68/2009 |
| Anthracene oil, anthracene-low - | 292-604-8 | 90640-82-7 | 13/01/2010 | Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e) | ED/68/2009 |



| Substance name | EC No. | CAS No. | Date of inclusion | Reason for inclusion | Decision |
|---|-----------|--------------------------|-------------------|---|---|
| Anthracene oil, anthracene paste, distn. lights - | 295-278-5 | 91995-17-4 | 13/01/2010 | Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e) | ED/68/2009 |
| Anthracene oil, anthracene paste, anthracene fraction - | 295-275-9 | 91995-15-2 | 13/01/2010 | Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e) | ED/68/2009 |
| Anthracene oil, anthracene paste - | 292-603-2 | 90640-81-6 | 13/01/2010 | Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e) | ED/68/2009 |
| Anthracene oil - | 292-602-7 | 90640-80-5 | 13/01/2010 | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | ED/68/2009 |
| 2,4-dinitrotoluene | 204-450-0 | 121-14-2 | 13/01/2010 | Carcinogenic (Article 57a) | ED/68/2009 |
| Triethyl arsenate - | 427-700-2 | 15606-95-8 | 28/10/2008 | Carcinogenic (Article 57a) | ED/67/2008 |
| Sodium dichromate | 234-190-3 | 10588-01-9, 7789-12-0 | 28/10/2008 | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) | ED/67/2008 |
| Lead hydrogen arsenate | 232-064-2 | 7784-40-9 | 28/10/2008 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | ED/67/2008 |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified 1,2,5,6,9,10-hexabromocyclododecane EC No.: 221-695-9 CAS No.: 3194-55-6 Hexabromocyclododecane EC No.: 247-148-4 CAS No.: 25637-99-4 alpha-hexabromocyclododecane EC No.: - CAS No.: 134237-50-6 beta-hexabromocyclododecane EC No.: - CAS No.: 134237-51-7 gamma-hexabromocyclododecane EC No.: - CAS No.: 134237-52-8 | - | - | 28/10/2008 | PBT (Article 57d) | ED/67/2008 |
| Dibutyl phthalate (DBP) | 201-557-4 | 84-74-2 | 28/10/2008 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health) | EU/2017/4462 ED/30/2017 ED/67/2008 |
| Diarsenic trioxide | 215-481-4 | 1327-53-3 | 28/10/2008 | Carcinogenic (Article 57a) | ED/67/2008 |
| Diarsenic pentaoxide | 215-116-9 | 1303-28-2 | 28/10/2008 | Carcinogenic (Article 57a) | ED/67/2008 |
| Cobalt dichloride | 231-589-4 | 7646-79-9 | 28/10/2008 | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | ED/31/2011 ED/67/2008 |
| Bis(tributyltin) oxide (TBTO) | 200-268-0 | 56-35-9 | 28/10/2008 | PBT (Article 57d) | ED/67/2008 |
| Bis (2-ethylhexyl)phthalate (DEHP) | 204-211-0 | 117-81-7 | 28/10/2008 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | EU/2017/4462 ED/108/2014 ED/30/2017 ED/67/2008 |
| Benzyl butyl phthalate (BBP) | 201-622-7 | 85-68-7 | 28/10/2008 | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health) | EU/2017/4462 ED/30/2017 ED/67/2008 |
| Anthracene | 204-371-1 | 120-12-7 | 28/10/2008 | PBT (Article 57d) | ED/67/2008 |
| Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 287-476-5 | 85535-84-8 | 28/10/2008 | PBT (Article 57d) vPvB (Article 57e) | ED/67/2008 |
| 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene) | 201-329-4 | 81-15-2 | 28/10/2008 | vPvB (Article 57e) | ED/67/2008 |
| 4,4'- Diaminodiphenylmethane (MDA) | 202-974-4 | 101-77-9 | 28/10/2008 | Carcinogenic (Article 57a) | ED/67/2008 |



