



Declaration of REACH Compliance

We, Taoglas Ltd., hereby declare that all our products manufactured as of June 14, 2023 are in full compliance with 235 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 233 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.

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
Taoglas CEO – Group Executive

Candidate list of Substances

Substance name	EC No.	CAS No.	Date of inclusion	Reason for inclusion	Decision
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
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 tin 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 diocetyl tin 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 tin 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.pdf
Diisohexyl phthalate	276-090-2	71850-09-4	16/01/2020	Toxic for reproduction (Article 57c)	ECHA_01_2020.pdf
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.pdf
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	16/01/2020	Toxic for reproduction (Article 57c)	ECHA_01_2020.pdf
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/2018/636 ED/61/2018
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/61/2018 EU/2018/594



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
1,6,7,8,9,14,15,16,17,17,18,18-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 1,6,7,8,9,14,15,16,17,17,18,18-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 ≥ 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
Trixytyl 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-(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-hexaoxaiicosan-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
Silicic acid (H₂SiO₅), 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	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
Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	19/12/2012	vPvB (Article 57e)	ED/169/2012
Henicosafuoroundecanoic 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 ≥ 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 ≥ 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 ≥ 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 ≥ 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



Substance name	EC No.	CAS No.	Date of inclusion	Reason for inclusion	Decision
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
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	278-355-8	75980-60-8		Toxic for reproduction (Article 57c)	
Bis(4-chlorophenyl) sulphone	201-247-9	80-07-9		vPvB (Article 57 e)	



