



To: WESTSIDE INTERNATIONAL

## Declaration on "SVHC"

We hereby declare that the following products provided to WESTSIDE INTERNATIONAL conform to the REACH Regulation (1907/2006/EC) set up and announced by European Chemicals Agency (ECHA), wherein the following content of 233 Substance (referred to TABLE A ) shall not exceed 0.1 wt% or less in Substance of Very High Concern (SVHC).

1. Substance of Very High Concern (SVHC)

Refer to "TABLE A"

2. Content Regulation Values :

0.1wt% or less

3. Products (Except for packaging material and accessory electric wire)

(1) MDL-3, MDL-5, MDL-7

(2) RS1, RS2

(3) PD2, PD3, PD4, PD5

(4) RD3, RD4

(5) M-1J1R, M-2J1R, M-3M1R, M-3J1R, M-5J1R, M-7J1R, M-10J1R

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Company Name RYOSAI TECHNICA CO., LTD. Official seal



Position Electrolytic Dehumidifier Dept. General Manager

Division Manager Signature Hideo Noda

Signature

Date ( the document is signed ) September 8, 2023

Table A

## Candidate List of substances of very high concern for Authorisation

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

Name	EC no.	CAS no.	Date of inclusion	Reason for inclusion	Decision
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	-	17/01/2023	vPvB (Article 57e)	D(2022)9120-DC
Perfluoroheptanoic acid and its salts	-	-	17/01/2023	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
Ammonium perfluoroheptanoate	228-098-2	6130-43-4	17/01/2023	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
potassium perfluoroheptanoate	-	21049-36-5	17/01/2023	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
Perfluoroheptanoic acid	206-798-9	375-85-9	17/01/2023	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
Sodium perfluoroheptanoate	243-518-4	20109-59-5	17/01/2023	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	17/01/2023	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	17/01/2023	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	-	-	17/01/2023	vPvB (Article 57e)	D(2022)9120-DC
Bis(2-ethylhexyl) tetrabromophthalate	247-426-5	26040-51-7	17/01/2023	vPvB (Article 57e)	D(2022)9120-DC
Barium diboron tetraoxide	237-222-4	13701-59-2	17/01/2023	Toxic for reproduction (Article 57c)	D(2022)9120-DC
4,4'-sulphonyldiphenol	201-250-5	80-09-1	17/01/2023	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	17/01/2023	Carcinogenic (Article 57a)	D(2022)9120-DC
1,1'-[ethane-1,2-diylbisoxyl]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	17/01/2023	vPvB (Article 57e)	D(2022)9120-DC
N-(hydroxymethyl)acrylamide	213-103-2	924-42-5	10/06/2022	Carcinogenic (Article 57a), Mutagenic (Article 57b)	D(2022)4187-DC
tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4	17/01/2022	Toxic for reproduction (Article 57c)	D(2021)10043-DC
S-(tricyclo(5.2.1.0' <sup>2</sup> .6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate X4261	401-850-9	255881-94-8	17/01/2022	PBT (Article 57d)	D(2021)10043-DC
6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol	204-327-1	119-47-1	17/01/2022	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)	-	-	17/01/2022	Endocrine disrupting properties (Article 57(f) - human health)	D(2021)10043-DC
(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	1782069-81-1	17/01/2022	Endocrine disrupting properties (Article 57(f) - human health)	D(2021)10043-DC
(1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	95342-41-9	17/01/2022	Endocrine disrupting properties (Article 57(f) - human health)	D(2021)10043-DC
(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	852541-25-4	17/01/2022	Endocrine disrupting properties (Article 57(f) - human health)	D(2021)10043-DC
(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one	253-242-6	36861-47-9	17/01/2022	Endocrine disrupting properties (Article 57(f) - human health)	D(2021)10043-DC

Name	EC no.	CAS no.	Date of inclusion	Reason for inclusion	Decision
(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	741687-98-9	17/01/2022	Endocrine disrupting properties (Article 57(f) - human health)	D(2021)10043-DC
(1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	852541-30-1	17/01/2022	Endocrine disrupting properties (Article 57(f) - human health)	D(2021)10043-DC
(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	852541-21-0	17/01/2022	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)	-	-	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
Phenol, 4-dodecyl, branched	-	210555-94-5	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
4-isododecylphenol	-	27459-10-5	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
Phenol, 4-isododecyl-	-	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
Phenol, dodecyl-, branched	310-154-3	121158-58-5	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
Phenol, (tetrapropenyl) derivatives	-	74499-35-7	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
Phenol, tetrapropylene-	-	57427-55-1	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 (group)	-	-	08/07/2021	Toxic for reproduction (Article 57c)	D(2021)4569-DC
Boric acid, sodium salt	215-604-1	1333-73-9	08/07/2021	Toxic for reproduction (Article 57c)	D(2021)4569-DC
Orthoboric acid, sodium salt	237-560-2	13840-56-7	08/07/2021	Toxic for reproduction (Article 57c)	D(2021)4569-DC
boric acid (H3BO3), sodium salt, hydrate	-	25747-83-5	08/07/2021	Toxic for reproduction (Article 57c)	D(2021)4569-DC
boric acid (H3BO3), sodium salt (1:1)	-	14890-53-0	08/07/2021	Toxic for reproduction (Article 57c)	D(2021)4569-DC
Boric acid (H3BO3), disodium salt	-	22454-04-2	08/07/2021	Toxic for reproduction (Article 57c)	D(2021)4569-DC
Trisodium orthoborate	238-253-6	14312-40-4	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	-	-	08/07/2021	PBT (Article 57d), vPvB (Article 57e)	D(2021)4569-DC
Alkanes, C14-17, chloro	287-477-0	85535-85-9	08/07/2021	PBT (Article 57d), vPvB (Article 57e)	D(2021)4569-DC
Tetradecane, chloro derivs.	-	198840-65-2	08/07/2021	PBT (Article 57d), vPvB (Article 57e)	D(2021)4569-DC
Alkanes, C14-16, chloro	-	1372804-76-6	08/07/2021	PBT (Article 57d), vPvB (Article 57e)	D(2021)4569-DC
di-, tri- and tetrachlorotetradecane	-	-	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	-	-	08/07/2021	Toxic for reproduction (Article 57c)	D(2021)4569-DC
(2R)-3-(4-tert-butylphenyl)-2-methylpropanal	-	75166-31-3	08/07/2021	Toxic for reproduction (Article 57c)	D(2021)4569-DC
2-(4-tert-butylbenzyl)propionaldehyde	201-289-8	80-54-6	08/07/2021	Toxic for reproduction (Article 57c)	D(2021)4569-DC
(2S)-3-(4-tert-butylphenyl)-2-methylpropanal	-	75166-30-2	08/07/2021	Toxic for reproduction (Article 57c)	D(2021)4569-DC
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)	-	-	08/07/2021	Carcinogenic (Article 57a)	D(2021)4569-DC
3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)	-	1522-92-5	08/07/2021	Carcinogenic (Article 57a)	D(2021)4569-DC
2,2-bis(bromomethyl)propane-1,3-diol (BMP)	221-967-7	3296-90-0	08/07/2021	Carcinogenic (Article 57a)	D(2021)4569-DC
2,3-dibromo-1-propanol (2,3-DBPA)	202-480-9	96-13-9	08/07/2021	Carcinogenic (Article 57a)	D(2021)4569-DC
2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA)	253-057-0	36483-57-5	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	-	-	19/01/2021	Toxic for reproduction (Article 57c)	D(2020)9139-DC
Stannane, dioctyl-, bis(coco acyloxy) derivs.	293-901-5	91648-39-4	19/01/2021	Toxic for reproduction (Article 57c)	D(2020)9139-DC
Diocetyl tin dilaurate	222-883-3	3648-18-8	19/01/2021	Toxic for reproduction (Article 57c)	D(2020)9139-DC
diocetyl tin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.	-	-	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
Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	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

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1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid	206-793-1	375-73-5	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
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	269-513-7	68259-10-9	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
Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	249-616-3	29420-49-3	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
N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	-	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
bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate	432-660-4	-	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
morpholinium perfluorobutanesulfonate	-	503155-89-3	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
dimethyl(phenyl)sulfanium perfluorobutanesulfonate	452-310-4	220133-51-7	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
1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanedisulfonate	468-770-4	-	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
Triphenylsulfanium perfluorobutane sulfonate	478-340-8	144317-44-2	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
magnesium perfluorobutanesulfonate	-	507453-86-3	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
lithium perfluorobutanesulfonate	-	131651-65-5	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
tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate	444-440-5	220689-12-3	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 CG 25-369; IRGACURE 369; TK 11-319	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)	-	-	16/07/2019	Endocrine disrupting properties (Article 57(f) - environment)	ED/71/2019
Phenol, 4-nonyl-, phosphite (3:1)	-	3050-88-2	16/07/2019	Endocrine disrupting properties (Article 57(f) - environment)	ED/71/2019
tris (4-nonylphenol, branch) phosphorous acid ester	-	-	16/07/2019	Endocrine disrupting properties (Article 57(f) - environment)	ED/71/2019
tris(nonylphenyl) phosphite	247-759-6	26523-78-4	16/07/2019	Endocrine disrupting properties (Article 57(f) - environment)	ED/71/2019
Phenol, p-isononyl-, phosphite (3:1)	-	31631-13-7	16/07/2019	Endocrine disrupting properties (Article 57(f) - environment)	ED/71/2019
Phenol, p-sec-nonyl-, phosphite	-	106599-06-8	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	-	-	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
ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	-	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
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid	236-236-8	13252-13-6	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

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potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionate	266-578-3	67118-55-2	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
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride	218-173-8	2062-98-8	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
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-	-	75579-40-7	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
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-	-	75579-39-4	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
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)	-	-	15/01/2018	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2018
Formaldehyde, reaction products with phenol heptyl derivs. and 1,3,4-thiadiazolidine-2,5-dithione	-	1471311-26-8	15/01/2018	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2018
Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine	300-298-5	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[12.2.1.1 <sup>6</sup> .9.0 <sup>2</sup> .13.0 <sup>5</sup> .10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> ) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	15/01/2018	vPvB (Article 57e)	ED/01/2018
(1S,2S,5R,6R,9S,10S,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1 <sup>6</sup> .9.0 <sup>2</sup> .13.0 <sup>5</sup> .10]octadeca-7,15-diene	-	135821-03-3	15/01/2018	vPvB (Article 57e)	ED/01/2018
(1S,2S,5S,6S,9R,10R,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1 <sup>6</sup> .9.0 <sup>2</sup> .13.0 <sup>5</sup> .10]octadeca-7,15-diene	-	135821-74-8	15/01/2018	vPvB (Article 57e)	ED/01/2018
1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo[12.2.1.1 <sup>6</sup> .9.0 <sup>2</sup> .13.0 <sup>5</sup> .10]octadeca-7,15-diene	236-948-9	13560-89-9	15/01/2018	vPvB (Article 57e)	ED/01/2018
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	-	-	15/01/2018	vPvB (Article 57e)	ED/01/2018
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	-	-	15/01/2018	vPvB (Article 57e)	ED/01/2018
Perfluorohexane-1-sulphonic acid and its salts PFHxS	-	-	07/07/2017	vPvB (Article 57e)	ED/30/2017
potassium perfluorohexane-1-sulphonate	223-393-2	3871-99-6	07/07/2017	vPvB (Article 57e)	ED/30/2017

Name	EC no.	CAS no.	Date of inclusion	Reason for inclusion	Decision
perfluorohexane-1-sulphonic acid	206-587-1	355-46-4	07/07/2017	vPvB (Article 57e)	ED/30/2017
ammonium perfluorohexane-1-sulphonate	269-511-6	68259-08-5	07/07/2017	vPvB (Article 57e)	ED/30/2017
tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	274-462-9	70225-16-0	07/07/2017	vPvB (Article 57e)	ED/30/2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1)	-	92011-17-1	07/07/2017	vPvB (Article 57e)	ED/30/2017
Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	928049-42-7	07/07/2017	vPvB (Article 57e)	ED/30/2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt	-	70136-72-0	07/07/2017	vPvB (Article 57e)	ED/30/2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)	-	72033-41-1	07/07/2017	vPvB (Article 57e)	ED/30/2017
Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	1000597-52-3	07/07/2017	vPvB (Article 57e)	ED/30/2017
N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate	-	108427-54-9	07/07/2017	vPvB (Article 57e)	ED/30/2017
N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate	-	108427-55-0	07/07/2017	vPvB (Article 57e)	ED/30/2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1)	-	1187817-57-7	07/07/2017	vPvB (Article 57e)	ED/30/2017
Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	-	189274-31-5	07/07/2017	vPvB (Article 57e)	ED/30/2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1)	-	202189-84-2	07/07/2017	vPvB (Article 57e)	ED/30/2017
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	213740-81-9	07/07/2017	vPvB (Article 57e)	ED/30/2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)	-	341035-71-0	07/07/2017	vPvB (Article 57e)	ED/30/2017
Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	341548-85-4	07/07/2017	vPvB (Article 57e)	ED/30/2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)	-	350836-93-0	07/07/2017	vPvB (Article 57e)	ED/30/2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)	-	41184-65-0	07/07/2017	vPvB (Article 57e)	ED/30/2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)	-	41242-12-0	07/07/2017	vPvB (Article 57e)	ED/30/2017
Sulfonium, (thiodi-4,1-phenylene)bis(diphenyl)-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)	-	421555-73-9	07/07/2017	vPvB (Article 57e)	ED/30/2017
Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	-	421555-74-0	07/07/2017	vPvB (Article 57e)	ED/30/2017
Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	425670-70-8	07/07/2017	vPvB (Article 57e)	ED/30/2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)	-	55120-77-9	07/07/2017	vPvB (Article 57e)	ED/30/2017
Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	1310480-24-0	07/07/2017	vPvB (Article 57e)	ED/30/2017
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	1310480-27-3	07/07/2017	vPvB (Article 57e)	ED/30/2017
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	1310480-28-4	07/07/2017	vPvB (Article 57e)	ED/30/2017
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)	-	1329995-45-0	07/07/2017	vPvB (Article 57e)	ED/30/2017
Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)	-	1329995-69-8	07/07/2017	vPvB (Article 57e)	ED/30/2017
Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	144116-10-9	07/07/2017	vPvB (Article 57e)	ED/30/2017
Quinolinium, 1-(carboxymethyl)-4-[2-[4-(4-(2,2-diphenylethenyl)phenyl)-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	1462414-59-0	07/07/2017	vPvB (Article 57e)	ED/30/2017
Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	153443-35-7	07/07/2017	vPvB (Article 57e)	ED/30/2017
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.1.3,7]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.1.3,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate	-	911027-69-5	07/07/2017	vPvB (Article 57e)	ED/30/2017
Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	911027-68-4	07/07/2017	vPvB (Article 57e)	ED/30/2017
Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	910606-39-2	07/07/2017	vPvB (Article 57e)	ED/30/2017
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt	-	82382-12-5	07/07/2017	vPvB (Article 57e)	ED/30/2017
Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI)	-	866621-50-3	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	-	-	12/01/2017	Toxic for reproduction (Article 57c), PBT (Article 57d)	ED/01/2017
sodium nonadecafluorodecanoate	-	3830-45-3	12/01/2017	Toxic for reproduction (Article 57c), PBT (Article 57d)	ED/01/2017
Ammonium nonadecafluorodecanoate	221-470-5	3108-42-7	12/01/2017	Toxic for reproduction (Article 57c), PBT (Article 57d)	ED/01/2017

Name	EC no.	CAS no.	Date of inclusion	Reason for inclusion	Decision
Nonadecafluorodecanoic acid	206-400-3	335-76-2	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	-	-	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
Phenol, heptyl derivs.	276-743-1	72624-02-3	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-heptylphenol	217-862-0	1987-50-4	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(3,3-dimethylpentan-2-yl)phenol	-	911371-06-7	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(3-methylhexan-2-yl)phenol	-	854904-93-1	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(4,4-dimethylpentan-2-yl)phenol	-	911371-07-8	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(4-methylhexan-2-yl)phenol	-	71945-81-8	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(5-methylhexan-2-yl)phenol	-	857629-71-1	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(2,2-dimethylpentan-3-yl)phenol	-	861010-65-3	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(5-methylhexan-3-yl)phenol	-	854904-92-0	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(heptan-3-yl)phenol	-	6465-74-3	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(heptan-2-yl)phenol	-	6863-24-7	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(heptan-4-yl)phenol	-	6465-71-0	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(3-ethylpentyl)phenol	-	911370-98-4	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(3-methylhexyl)phenol	-	102570-52-5	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(4-methylhexyl)phenol	-	1139800-98-8	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(5-methylhexyl)phenol	-	100532-36-3	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(2,4-dimethylpentan-3-yl)phenol	-	1824346-00-0	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
Phenol, 4-tert-heptyl-	-	288864-02-8	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
Phenol, 4-(1-ethyl-1,2-dimethylpropyl)-	-	30784-27-1	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(2,3,3-trimethylbutan-2-yl)phenol	-	72861-06-4	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(2,3-dimethylpentan-2-yl)phenol	-	861011-60-1	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(3-methylhexan-3-yl)phenol	-	30784-32-8	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(2-methylhexan-2-yl)phenol	-	30784-31-7	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(2,4-dimethylpentan-2-yl)phenol	-	33104-11-9	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)	ED/01/2017
4-(3-ethylpentan-3-yl)phenol	-	37872-24-5	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
Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	-	17/12/2015	Toxic for reproduction (Article 57c), PBT (Article 57d)	ED/79/2015
Ammonium salts of perfluorononan-1-oic-acid	-	4149-60-4	17/12/2015	Toxic for reproduction (Article 57c), PBT (Article 57d)	ED/79/2015
Perfluorononan-1-oic-acid	206-801-3	375-95-1	17/12/2015	Toxic for reproduction (Article 57c), PBT (Article 57d)	ED/79/2015
Sodium salts of perfluorononan-1-oic-acid	-	21049-39-8	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	-	-	15/06/2015	vPvB (Article 57e)	ED/39/2015
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,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1R,2R)-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,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane	-	-	15/06/2015	vPvB (Article 57e)	ED/39/2015
2-(2,4-Dimethylcyclohex-3-ene-1-yl)-5-methyl-(1-methylpropyl)-1,3-dioxane	-	117933-89-8	15/06/2015	vPvB (Article 57e)	ED/39/2015
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-	-	15/06/2015	vPvB (Article 57e)	ED/39/2015

Name	EC no.	CAS no.	Date of inclusion	Reason for inclusion	Decision
1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-	-	186309-28-4	15/06/2015	vPvB (Article 57e)	ED/39/2015
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-05-8	15/06/2015	vPvB (Article 57e)	ED/39/2015
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel-	-	343934-04-3	15/06/2015	vPvB (Article 57e)	ED/39/2015
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-09-2	15/06/2015	vPvB (Article 57e)	ED/39/2015
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel-	-	343934-05-4	15/06/2015	vPvB (Article 57e)	ED/39/2015
1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-04-7	15/06/2015	vPvB (Article 57e)	ED/39/2015
1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-08-1	15/06/2015	vPvB (Article 57e)	ED/39/2015
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-03-6	15/06/2015	vPvB (Article 57e)	ED/39/2015
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-07-0	15/06/2015	vPvB (Article 57e)	ED/39/2015
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-02-5	15/06/2015	vPvB (Article 57e)	ED/39/2015
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-06-9	15/06/2015	vPvB (Article 57e)	ED/39/2015
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	413-720-9	-	15/06/2015	vPvB (Article 57e)	ED/39/2015
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-	-	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)	-	-	15/06/2015	Toxic for reproduction (Article 57c)	ED/39/2015
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	272-013-1	68648-93-1	15/06/2015	Toxic for reproduction (Article 57c)	ED/39/2015
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	271-094-0	68515-51-5	15/06/2015	Toxic for reproduction (Article 57c)	ED/39/2015
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	-	-	16/06/2014	Toxic for reproduction (Article 57c)	ED/49/2014
Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2)	-	90568-23-3	16/06/2014	Toxic for reproduction (Article 57c)	ED/49/2014
Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6)	-	125022-34-6	16/06/2014	Toxic for reproduction (Article 57c)	ED/49/2014
Sodium perborate	239-172-9	15120-21-5	16/06/2014	Toxic for reproduction (Article 57c)	ED/49/2014
Perboric acid, sodium salt	234-390-0	11138-47-9	16/06/2014	Toxic for reproduction (Article 57c)	ED/49/2014
Perboric acid (H3BO2(O2)), monosodium salt, trihydrate	-	13517-20-9	16/06/2014	Toxic for reproduction (Article 57c)	ED/49/2014
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



Name	EC no.	CAS no.	Date of inclusion	Reason for inclusion	Decision
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	-	-	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Poly (oxy-1,2-ethanediyl), alpha -(nonylphenyl)-omega-hydroxy-, branched	-	68412-54-4	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Nonylphenol, ethoxylated (6,5-EO)	-	-	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
2-[2-(4-nonylphenoxy)ethoxy]ethanol	243-816-4	20427-84-3	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol	230-770-5	7311-27-5	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	248-743-1	27942-27-4	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Nonylphenol, ethoxylated (15-EO)	-	-	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Nonylphenol, branched, ethoxylated (CAS# 68412-54-4)	-	-	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24- octaoxahexacosan -1-ol	-	14409-72-4	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Nonylphenol, ethoxylated (8-EO)	-	-	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Nonylphenol, branched, ethoxylated 1 - 2.5 moles ethoxylated	500-209-1	68412-54-4	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
4-Nonylphenol, ethoxylated 1 - 2.5 moles ethoxylated	500-045-0	26027-38-3	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Nonylphenol, ethoxylated	500-024-6	9016-45-9	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Nonylphenol, ethoxylated (10-EO)	-	-	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Isononylphenol, ethoxylated	-	37205-87-1	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
14-(nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol	247-555-7	26264-02-8	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol	247-816-5	26571-11-9	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
17-(4-nonylphenoxy)-3,6,9,12,15-pentaoxaheptadecan-1-ol	-	34166-38-6	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
4-Nonylphenol, branched, ethoxylated 1 - 2.5 moles ethoxylated	500-315-8	127087-87-0	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Nonylphenol, ethoxylated (EO = 10)	-	-	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Nonylphenol, ethoxylated (EO = 4)	939-975-0	-	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Nonylphenol, ethoxylated (polymer)	-	-	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
2-[2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy]ethanol	-	1119449-38-5	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol	687-832-3	1119449-37-4	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Nonylphenolpolyglycoether	-	-	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
4-Nonylphenol, branched, ethoxylated	-	127087-87-0	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy- (CAS 9016-45-9)	-	9016-45-9	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-	-	20636-48-0	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
23-(nonylphenoxy)-3,6,9,12,15,18,21-heptaoxatricosan-1-ol	248-293-6	27177-05-5	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
2-(4-nonylphenoxy)ethanol	-	104-35-8	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)	ED/69/2013
4-t-Nonylphenol-diethoxylate	-	156609-10-8	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
Tricosafuorodecanoic 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 (H <sub>2</sub> SiO <sub>5</sub> ), 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	-	776297-69-9	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
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

Name	EC no.	CAS no.	Date of inclusion	Reason for inclusion	Decision
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	-	-	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)	ED/169/2012
Hexahydro-1-methylphthalic anhydride	256-356-4	48122-14-1	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)	ED/169/2012
Hexahydromethylphthalic anhydride	247-094-1	25550-51-0	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)	ED/169/2012
Hexahydro-3-methylphthalic anhydride	260-566-1	57110-29-9	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)	ED/169/2012
Hexahydro-4-methylphthalic anhydride	243-072-0	19438-60-9	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	-	-	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)	ED/169/2012
Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)	ED/169/2012
cis-cyclohexane-1,2-dicarboxylic anhydride	236-086-3	13149-00-3	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)	ED/169/2012
trans-cyclohexane-1,2-dicarboxylic anhydride	238-009-9	14166-21-3	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
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	-	-	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
p-(1,1-dimethylheptyl)phenol	250-339-5	30784-30-6	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
p-(1-methyloctyl)phenol	241-427-4	17404-66-9	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
p-nonylphenol	203-199-4	104-40-5	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
4-(1-ethyl-1-methylhexyl)phenol	257-907-1	52427-13-1	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
p-isononylphenol	247-770-6	26543-97-5	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
4-(1-Ethyl-1,3-dimethylpentyl)phenol	-	186825-36-5	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
4-(1-Ethyl-1,4-dimethylpentyl)phenol	-	142731-63-3	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
Phenol, 4-nonyl-, branched	284-325-5	84852-15-3	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
4-(3-ethylheptan-2-yl)phenol	-	186825-39-8	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
Nonylphenol	246-672-0	25154-52-3	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
Isononylphenol	234-284-4	11066-49-2	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
4-(1,1,5-Trimethylhexyl)phenol	-	521947-27-3	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
Phenol, nonyl-, branched	291-844-0	90481-04-2	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	-	-	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-	-	9036-19-5	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether	-	9002-93-1	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol	219-682-8	2497-59-8	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol	-	2315-67-5	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethanol	-	2315-61-9	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)	ED/169/2012
4,4'-oxydianiline and its salts	-	-	19/12/2012	Carcinogenic (Article 57a), Mutagenic (Article 57b)	ED/169/2012

Name	EC no.	CAS no.	Date of inclusion	Reason for inclusion	Decision
4,4'-oxydianiline	202-977-0	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
$\alpha,\alpha$ -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 ( $\beta$ -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-triazine-2,4,6-trione (TGIC)	219-514-3	2451-62-9	18/06/2012	Mutagenic (Article 57b)	ED/87/2012
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 ( $\mu\text{m}$ ). c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) 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 hydroxyoctaoxidizincatedichromate	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 ( $\mu\text{m}$ ) c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight	-	-	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011 ED/95/2012
Refractories, fibers, aluminosilicate	-	142844-00-6	19/12/2011	Carcinogenic (Article 57a)	ED/77/2011
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

Name	EC no.	CAS no.	Date of inclusion	Reason for inclusion	Decision
1,2,3-trichloropropane	202-486-1	96-18-4	20/06/2011	Carcinogenic (Article 57a), Toxic for reproduction (Article 57c)	ED/31/2011
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	-	-	15/12/2010	Carcinogenic (Article 57a)	ED/95/2010
Oligomers of chromic acid and dichromic acid	-	-	15/12/2010	Carcinogenic (Article 57a)	ED/95/2010
Dichromic acid	236-881-5	13530-68-2	15/12/2010	Carcinogenic (Article 57a)	ED/95/2010
Chromic acid	231-801-5	7738-94-5	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	-	-	18/06/2010	Toxic for reproduction (Article 57c)	ED/30/2010
Boric acid, crude natural	234-343-4	11113-50-1	18/06/2010	Toxic for reproduction (Article 57c)	ED/30/2010
Boric acid	233-139-2	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
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	-	-	28/10/2008	PBT (Article 57d)	ED/67/2008
gamma-hexabromocyclododecane	-	134237-52-8	28/10/2008	PBT (Article 57d)	ED/67/2008
beta-hexabromocyclododecane	-	134237-51-7	28/10/2008	PBT (Article 57d)	ED/67/2008
Hexabromocyclododecane	247-148-4	25637-99-4	28/10/2008	PBT (Article 57d)	ED/67/2008
1,2,5,6,9,10-hexabromocyclododecane	221-695-9	3194-55-6	28/10/2008	PBT (Article 57d)	ED/67/2008
alpha-hexabromocyclododecane	-	134237-50-6	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