REACH-SVHC TEST REPORT

Applicant	Guangdong Tianhao New Materials Technology Co.,Ltd
Address	Chuanggu Park,Building A,No.12 Dayuan Street,YaoLe Village,Liaobu Town,Dongguan City,Guangdong Province
Manufacturer	Guangdong Tianhao New Materials Technology Co.,Ltd
Address	Chuanggu Park,Building A,No.12 Dayuan Street,YaoLe Village,Liaobu Town,Dongguan City,Guangdong Province
Sample Name	Color masterbatch
Model	MB-11927
Serial Model	MB-11915,MB-11916,MB-11920,MB-11928,MB-11929,MB-11922,MB-11923,MB-11924, MB-11925,MB-11926,MB-11930,MB-12007,MB-12008,MB-12009,MB8514-2B,MB-601, MB-12508A,10089,10370,11765,11304,12260,7434,2014
Date of Receipt	Mar. 18, 2026
Date of Test	Mar. 18, 2026 to Mar. 24, 2026
Date of Report	Mar. 24, 2026
Test laboratory	Guangdong KAIXU Testing Technology Co., Ltd.
Test location	Room 215, Building 2, No. 123, Dongcheng Section, Guanlong Road, Dongcheng Street, Dongguan City, Guangdong Province, China
Test Summary	According to the specified scope and analytical techniques, concentrations of tested SVHC are ≤ 0.1% (w/w) in the submitted sample.

Test Conclusion:

Test Requested	Reference Standard/Method	Result
The 253 substances in the Candidate List of Substances of Very High Concern (SVHC) for Authorization published by European Chemicals Agency (ECHA), regarding the Regulation (EC) No. 1907/2006: Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)	In-house method, determined by GC/MS, LC/MS/MS, ICP-OES, UV-Vis, HPLC and IC	PASS

****** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) ******

Signed for and on behalf of KAIXU Test International

GUANGDONG KAIXU TESTING TECHNOLOGY CO., LTD KTi APPROVAL

Tested by: Cathy Approved by: Martin

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Remark:

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
http://echa.europa.eu/web/guest/candidate-list-table
These lists are under evaluation by ECHA and may subject to change in the future.

2. REACH obligation:

2.1 Concerning article(s):

Communication:

Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

Notification:

In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

2.2 Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogeneous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article. If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

2.3 Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety (SVHC)
Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:

- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
- a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual

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concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits.

3. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory

4. Substances of Very High Concern (SVHC)
In-House method KTi-SVHC-M-01, KTi -SVHC-M-02, AFPS GS 2019:01 PAK, BS EN ISO 14362-1:2017, EN 14372-2004, EPA 3550 C:2007, EPA 8082 A:2007/EPA 8081 B:2007, BS ISO 17353:2004 EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996 Analyzed by ICP-OES, UV-Vis, GC-MS, HPLC-DAD/MS and Colorimetric Method.

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Test Portions:

Part A =Mixture of non-metal parts

Part B =Mixture of metal parts

Test Result: Substances in the Candidate List of SVHC

No.	MDL	Limit	Result
Part A	--	0.1%	N.D.
Part B	--	0.1%	NA
Conclusion：	According to the specified scope and analytical techniques, concentrations of tested SVHC comply with the limits as set by Regulation (EC) No 1907/2006 concerning the REACH		

1. Calculated concentration of bis (tributyltin) oxide TBTO is based on the identified tributyltin, TBT results. The result is screening testing of TBTO and other salts under current technology.
2. Calculated concentration of cobalt dichloride is based on the identified heavy metal and anion result. Calculated concentration of diarrheic pent oxide, diarrheic trioxide, sodium dichromate, dehydrate, Lead hydrogen arsenates and tritely arsenate are based on the identified heavy metal result.
3. Definition of classification of this report in accordance 67/548/EEC and Regulation (EC) No.1907/2006
4. N.D. = Not Detected (<MDL)
5. MDL = Method Detection Limit
   MDL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, cadmium, titanium and barium respectively), except molybdenum
   MDL =0.0005%, boron
   MDL =0.0025% only for Lead bis(tetrafluoroborate)
   MDL =0.005% (other).

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Table 1.1 Full list of tested SVHC:

No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
1	4,4'-Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	Carcinogenic (Article 57a)	28-Oct-2008
2	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	vPvB (Article 57e)	28-Oct-2008
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	PBT (Article 57d)# vPvB (Article 57e)	28-Oct-2008
4	Anthracene	204-371-1	120-12-7	PBT (Article 57d)	28-Oct-2008
5	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	Toxic for reproduction (Article 57c) #Endocrine disrupting properties (Article 57(f) - human health)	28-Oct-2008
6	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	28-Oct-2008
7	Bis(tributyltin) oxide (TBTO)	200-268-0	56-35-9	PBT (Article 57d)	28-Oct-2008
8	Cobalt dichloride	231-589-4	7646-79-9	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	28-Oct-2008
9	Diarsenic pentaoxide	215-116-9	1303-28-2	Carcinogenic (Article 57a)	28-Oct-2008
10	Diarsenic trioxide	215-481-4	1327-53-3	Carcinogenic (Article 57a)	28-Oct-2008
11	Dibutyl phthalate (DBP)	201-557-4	84-74-2	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - human health)	28-Oct-2008
12	Hexabromocyclododecane (HBCDD)	-	-	PBT (Article 57d)	28-Oct-2008
	1,2,5,6,9,10-hexabromocyclododecane	221-695-9	3194-55-6	PBT (Article 57d)	28-Oct-2008
	gamma-hexabromocyclododecane	-	134237-52-8	PBT (Article 57d)	28-Oct-2008
	Hexabromocyclododecane	247-148-4	25637-99-4	PBT (Article 57d)	28-Oct-2008

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	alpha-hexabromocyclododecane	-	134237-50-6	PBT (Article 57d)	28-Oct-2008
	beta-hexabromocyclododecane	-	134237-51-7	PBT (Article 57d)	28-Oct-2008
13	Lead hydrogen arsenate	232-064-2	7784-40-9	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	28-Oct-2008
14	Sodium dichromate	234-190-3	10588-01-9, 7789-12-0	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)	28-Oct-2008
15	Triethyl arsenate	427-700-2	15606-95-8	Carcinogenic (Article 57a)	28-Oct-2008
16	2,4-dinitrotoluene	204-450-0	121-14-2	Carcinogenic (Article 57a)	13-Jan-2010
17	Anthracene oil	292-602-7	90640-80-5	Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)	13-Jan-2010
18	Anthracene oil, anthracene paste	292-603-2	90640-81-6	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57d)#vPvB (Article 57e)	13-Jan-2010
19	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57d)#vPvB (Article 57e)	13-Jan-2010
20	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57d)#vPvB (Article 57e)	13-Jan-2010
21	Anthracene oil, anthracene-low	292-604-8	90640-82-7	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57d)#vPvB (Article 57e)	13-Jan-2010
22	Diisobutyl phthalate	201-553-2	84-69-5	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - human health)	13-Jan-2010
23	Lead chromate	231-846-0	7758-97-6	Carcinogenic (Article 57a)#Toxic for reproduction (Article	13-Jan-2010

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
				57c)	
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	13-Jan-2010
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	13-Jan-2010
26	Pitch, coal tar, high-temp.	266-028-2	65996-93-2	Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)	13-Jan-2010
27	Tris(2-chloroethyl) phosphate	204-118-5	115-96-8	Toxic for reproduction (Article 57c)	13-Jan-2010
28	Acrylamide	201-173-7	79-06-1	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	30-Mar-2010
29	Ammonium dichromate	232-143-1	7789-09-5	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)	18-Jun-2010
30	Boric acid	-	-	Toxic for reproduction (Article 57c)	18-Jun-2010
	Boric acid, crude natural	234-343-4	11113-50-1	Toxic for reproduction (Article 57c)	18-Jun-2010
	Boric acid	233-139-2	10043-35-3	Toxic for reproduction (Article 57c)	18-Jun-2010
31	Disodium tetraborate, anhydrous	215-540-4	12179-04-3, 1303-96-4, 1330-43-4	Toxic for reproduction (Article 57c)	18-Jun-2010
32	Potassium chromate	232-140-5	7789-00-6	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	18-Jun-2010
33	Potassium dichromate	231-906-6	7778-50-9	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)	18-Jun-2010
34	Sodium chromate	231-889-5	7775-11-3	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for	18-Jun-2010

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
				reproduction (Article 57c)	
35	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	Toxic for reproduction (Article 57c)	18-Jun-2010
36	Trichloroethylene	201-167-4	79-01-6	Carcinogenic (Article 57a)	18-Jun-2010
37	2-ethoxyethanol	203-804-1	110-80-5	Toxic for reproduction (Article 57c)	15-Dec-2010
38	2-methoxyethanol	203-713-7	109-86-4	Toxic for reproduction (Article 57c)	15-Dec-2010
39	Acids generated from chromium trioxide and their oligomers	-	-	Carcinogenic (Article 57a)	15-Dec-2010
	Chromic acid	231-801-5	7738-94-5	Carcinogenic (Article 57a)	15-Dec-2010
	Oligomers of chromic acid and dichromic acid	-	-	Carcinogenic (Article 57a)	15-Dec-2010
	Dichromic acid	236-881-5	13530-68-2	Carcinogenic (Article 57a)	15-Dec-2010
40	Chromium trioxide	215-607-8	1333-82-0	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	15-Dec-2010
41	Cobalt(II) carbonate	208-169-4	513-79-1	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	15-Dec-2010
42	Cobalt(II) diacetate	200-755-8	71-48-7	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	15-Dec-2010
43	Cobalt(II) dinitrate	233-402-1	10141-05-6	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	15-Dec-2010
44	Cobalt(II) sulphate	233-334-2	10124-43-3	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	15-Dec-2010
45	1,2,3-trichloropropane	202-486-1	96-18-4	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	20-Jun-2011
46	1,2-Benzenedicarboxylic acid, di-	276-158-1	71888-89-6	Toxic for reproduction	20-Jun-201

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	C6-8-branched alkyl esters, C7-rich			(Article 57c)	1
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	Toxic for reproduction (Article 57c)	20-Jun-2011
48	1-Methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	Toxic for reproduction (Article 57c)	20-Jun-2011
49	2-ethoxyethyl acetate	203-839-2	111-15-9	Toxic for reproduction (Article 57c)	20-Jun-2011
50	Hydrazine	206-114-9	302-01-2, 7803-57-8	Carcinogenic (Article 57a)	20-Jun-2011
51	Strontium chromate	232-142-6	7789-06-2	Carcinogenic (Article 57a)	20-Jun-2011
52	1,2-dichloroethane	203-458-1	107-06-2	Carcinogenic (Article 57a)	19-Dec-2011
53	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	Carcinogenic (Article 57a)	19-Dec-2011
54	2-Methoxyaniline, o-Anisidine	201-963-1	90-04-0	Carcinogenic (Article 57a)	19-Dec-2011
55	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2011
56	Aluminosilicate Refractory Ceramic Fibres	-	-	Carcinogenic (Article 57a)	19-Dec-2011
	Refractories, fibers, aluminosilicate	-	142844-00-6	Carcinogenic (Article 57a)	19-Dec-2011
57	Arsenic acid	231-901-9	7778-39-4	Carcinogenic (Article 57a)	19-Dec-2011
58	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	Toxic for reproduction (Article 57c)	19-Dec-2011
59	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	Toxic for reproduction (Article 57c)	19-Dec-2011
60	Calcium arsenate	231-904-5	7778-44-1	Carcinogenic (Article 57a)	19-Dec-2011
61	Dichromium tris(chromate)	246-356-2	24613-89-6	Carcinogenic (Article 57a)	19-Dec-2011
62	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	Carcinogenic (Article 57a)	19-Dec-2011
63	Lead diazide, Lead azide	236-542-1	13424-46-9	Toxic for reproduction (Article 57c)	19-Dec-2011
64	Lead dipicrate	229-335-2	6477-64-1	Toxic for reproduction (Article 57c)	19-Dec-2011

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65	Lead styphnate	239-290-0	15245-44-0	Toxic for reproduction (Article 57c)	19-Dec-2011
66	N,N-dimethylacetamide	204-826-4	127-19-5	Toxic for reproduction (Article 57c)	19-Dec-2011
67	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	Carcinogenic (Article 57a)	19-Dec-2011
68	Phenolphthalein	201-004-7	77-09-8	Carcinogenic (Article 57a)	19-Dec-2011
69	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	Carcinogenic (Article 57a)	19-Dec-2011
70	Trilead diarsenate	222-979-5	3687-31-8	Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	19-Dec-2011
71	Zirconia Aluminosilicate Refractory Ceramic Fibres	-	-	Carcinogenic (Article 57a)	19-Dec-2011
	Refractories, fibers, aluminosilicate	-	142844-00-6	Carcinogenic (Article 57a)	19-Dec-2011
72	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Toxic for reproduction (Article 57c)	18-Jun-2012
73	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	Toxic for reproduction (Article 57c)	18-Jun-2012
74	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Mutagenic (Article 57b)	18-Jun-2012
75	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	Mutagenic (Article 57b)	18-Jun-2012
76	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	209-218-2	561-41-1	Carcinogenic (Article 57a)	18-Jun-2012
77	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	Carcinogenic (Article 57a)	18-Jun-2012
78	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	208-953-6	548-62-9	Carcinogenic (Article 57a)	18-Jun-2012
79	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	219-943-6	2580-56-5	Carcinogenic (Article 57a)	18-Jun-2012
80	Diboron trioxide	215-125-8	1303-86-2	Toxic for reproduction (Article 57c)	18-Jun-2012

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81	Formamide	200-842-0	75-12-7	Toxic for reproduction (Article 57c)	18-Jun-2012
82	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	Toxic for reproduction (Article 57c)	18-Jun-2012
83	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	Carcinogenic (Article 57a)	18-Jun-2012
84	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0	Carcinogenic (Article 57a)	18-Jun-2012
85	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	284-032-2	84777-06-0	Toxic for reproduction (Article 57c)	19-Dec-2012
86	1,2-diethoxyethane	211-076-1	629-14-1	Toxic for reproduction (Article 57c)	19-Dec-2012
87	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	Toxic for reproduction (Article 57c)	19-Dec-2012
88	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	Toxic for reproduction (Article 57c)	19-Dec-2012
89	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	Carcinogenic (Article 57a)	19-Dec-2012
90	4,4'-oxydianiline and its salts	-	-	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	19-Dec-2012
	4,4'-oxydianiline	202-977-0	101-80-4	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	19-Dec-2012
91	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	-	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethanol	-	2315-61-9	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol	-	2315-67-5	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether	-	9002-93-1	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-	-	9036-19-5	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	20-[4-(1,1,3,3-tetramethylbutyl)ph	219-682-8	2497-59-8	Endocrine disrupting	19-Dec-201

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	enoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol			properties (Article 57(f) - environment)	2
92	4-aminoazobenzene	200-453-6	60-09-3	Carcinogenic (Article 57a)	19-Dec-2012
93	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	Carcinogenic (Article 57a)	19-Dec-2012
94	4-Nonylphenol, branched and linear	-	-	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	Phenol, 4-nonyl-, branched	284-325-5	84852-15-3	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	p-isononylphenol	247-770-6	26543-97-5	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	4-(1-ethyl-1-methylhexyl)phenol	257-907-1	52427-13-1	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	p-(1-methyloctyl)phenol	241-427-4	17404-66-9	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	p-(1,1-dimethylheptyl)phenol	250-339-5	30784-30-6	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	4-(1-Ethyl-1,3-dimethylpentyl)phenol	-	186825-36-5	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	4-(1-Ethyl-1,4-dimethylpentyl)phenol	-	142731-63-3	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	p-nonylphenol	203-199-4	104-40-5	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	4-(3-ethylheptan-2-yl)phenol	-	186825-39-8	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	Nonylphenol	246-672-0	25154-52-3	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	Phenol, nonyl-, branched	291-844-0	90481-04-2	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	4-(1,1,5-Trimethylhexyl)phenol	-	521947-27-3	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
	Isononylphenol	234-284-4	11066-49-2	Endocrine disrupting properties (Article 57(f) - environment)	19-Dec-2012
95	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	Carcinogenic (Article 57a)	19-Dec-2012
96	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	Toxic for reproduction (Article 57c)	19-Dec-2012
97	Acetic acid, lead salt, basic	257-175-3	51404-69-4	Toxic for reproduction (Article 57c)	19-Dec-2012
98	Biphenyl-4-ylamine	202-177-1	92-67-1	Carcinogenic (Article 57a)	19-Dec-2012
99	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	214-604-9	1163-19-5	PBT (Article 57d)#vPvB (Article 57e)	19-Dec-2012
100	Cyclohexane-1,2-dicarboxylic anhydride	-	-	Respiratory sensitising properties (Article 57(f) - human health)	19-Dec-2012
	cis-cyclohexane-1,2-dicarboxylic anhydride	236-086-3	13149-00-3	Respiratory sensitising properties (Article 57(f) - human health)	19-Dec-2012
	Cyclohexane-1,2-dicarboxylic anhydride	201-604-9	85-42-7	Respiratory sensitising properties (Article 57(f) - human health)	19-Dec-2012
	trans-cyclohexane-1,2-dicarboxylic anhydride	238-009-9	14166-21-3	Respiratory sensitising properties (Article 57(f) - human health)	19-Dec-2012
101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	Respiratory sensitising properties (Article 57(f) - human health)	19-Dec-2012
102	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	Toxic for reproduction (Article 57c)	19-Dec-2012
103	Diethyl sulphate	200-589-6	64-67-5	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	19-Dec-2012
104	Diisopentyl phthalate	210-088-4	605-50-5	Toxic for reproduction (Article 57c)	19-Dec-2012
105	Dimethyl sulphate	201-058-1	77-78-1	Carcinogenic (Article 57a)	19-Dec-2012
106	Dinoseb (6-sec-butyl-2,4-dinitrop	201-861-7	88-85-7	Toxic for reproduction	19-Dec-201

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	henol)			(Article 57c)	2
107	Dioxobis(stearato)trilead	235-702-8	12578-12-0	Toxic for reproduction (Article 57c)	19-Dec-2012
108	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	Toxic for reproduction (Article 57c)	19-Dec-2012
109	Furan	203-727-3	110-00-9	Carcinogenic (Article 57a)	19-Dec-2012
110	Henicosafluoroundecanoic acid	218-165-4	2058-94-8	vPvB (Article 57e)	19-Dec-2012
111	Heptacosafluorotetradecanoic acid	206-803-4	376-06-7	vPvB (Article 57e)	19-Dec-2012
112	Hexahydromethylphthalic anhydride	-	-	Respiratory sensitising properties (Article 57(f) - human health)	19-Dec-2012
	Hexahydro-1-methylphthalic anhydride	256-356-4	48122-14-1	Respiratory sensitising properties (Article 57(f) - human health)	19-Dec-2012
	Hexahydromethylphthalic anhydride	247-094-1	25550-51-0	Respiratory sensitising properties (Article 57(f) - human health)	19-Dec-2012
	Hexahydro-3-methylphthalic anhydride	260-566-1	57110-29-9	Respiratory sensitising properties (Article 57(f) - human health)	19-Dec-2012
	Hexahydro-4-methylphthalic anhydride	243-072-0	19438-60-9	Respiratory sensitising properties (Article 57(f) - human health)	19-Dec-2012
113	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	Toxic for reproduction (Article 57c)	19-Dec-2012
114	Lead cyanamidate	244-073-9	20837-86-9	Toxic for reproduction (Article 57c)	19-Dec-2012
115	Lead dinitrate	233-245-9	10099-74-8	Toxic for reproduction (Article 57c)	19-Dec-2012
116	Lead monoxide (lead oxide)	215-267-0	1317-36-8	Toxic for reproduction (Article 57c)	19-Dec-2012
117	Lead oxide sulfate	234-853-7	12036-76-9	Toxic for reproduction (Article 57c)	19-Dec-2012
118	Lead titanium trioxide	235-038-9	12060-00-3	Toxic for reproduction (Article 57c)	19-Dec-2012
119	Lead titanium zirconium oxide	235-727-4	12626-81-2	Toxic for reproduction (Article 57c)	19-Dec-2012
120	Methoxyacetic acid	210-894-6	625-45-6	Toxic for reproduction (Article 57c)	19-Dec-2012

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
121	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	19-Dec-2012
122	N,N-dimethylformamide	200-679-5	68-12-2	Toxic for reproduction (Article 57c)	19-Dec-2012
123	N-methylacetamide	201-182-6	79-16-3	Toxic for reproduction (Article 57c)	19-Dec-2012
124	n-pentyl-isopentyl phthalate	-	776297-69-9	Toxic for reproduction (Article 57c)	19-Dec-2012
125	o-aminoazotoluene	202-591-2	97-56-3	Carcinogenic (Article 57a)	19-Dec-2012
126	o-toluidine	202-429-0	95-53-4	Carcinogenic (Article 57a)	19-Dec-2012
127	Orange lead (lead tetroxide)	215-235-6	1314-41-6	Toxic for reproduction (Article 57c)	19-Dec-2012
128	Pentacosafluorotridecanoic acid	276-745-2	72629-94-8	vPvB (Article 57e)	19-Dec-2012
129	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	Toxic for reproduction (Article 57c)	19-Dec-2012
130	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	Toxic for reproduction (Article 57c)	19-Dec-2012
131	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped	272-271-5	68784-75-8	Toxic for reproduction (Article 57c)	19-Dec-2012
132	Silicic acid, lead salt	234-363-3	11120-22-2	Toxic for reproduction (Article 57c)	19-Dec-2012
133	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	Toxic for reproduction (Article 57c)	19-Dec-2012
134	Tetraethyllead	201-075-4	78-00-2	Toxic for reproduction (Article 57c)	19-Dec-2012
135	Tetralead trioxide sulphate	235-380-9	12202-17-4	Toxic for reproduction (Article 57c)	19-Dec-2012
136	Tricosafluorododecanoic acid	206-203-2	307-55-1	vPvB (Article 57e)	19-Dec-2012
137	Trilead bis(carbonate) dihydroxide	215-290-6	1319-46-6	Toxic for reproduction (Article 57c)	19-Dec-2012
138	Trilead dioxide phosphonate	235-252-2	12141-20-7	Toxic for reproduction (Article 57c)	19-Dec-2012
139	4-Nonylphenol, branched and linear, ethoxylated	-	-	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Nonylphenol, branched, ethoxylated	500-209-1	68412-54-4	Endocrine disrupting properties (Article 57(f) -	20-Jun-2013

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
				environment)	
	20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	248-743-1	27942-27-4	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	4-Nonylphenol, ethoxylated	500-045-0	26027-38-3	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Nonylphenol, ethoxylated	500-024-6	9016-45-9	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Poly (oxy-1,2-ethanediyl), alpha -(nonylphenyl)-omega-hydroxy-, branched	-	-	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	2-[2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol	230-770-5	7311-27-5	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)-ω-hydroxy-, branched	-	68412-54-4	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Nonylphenol, ethoxylated (10-EO)	-	9016-45-9	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	2-[2-(4-nonylphenoxy)ethoxy]ethanol	243-816-4	20427-84-3	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Nonylphenol, ethoxylated (8-EO)	-	9016-45-9	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Nonylphenol, ethoxylated (6,5-EO)	-	9016-45-9	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24- octaoxahexacosan -1-ol	-	14409-72-4	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Nonylphenol, ethoxylated (15-EO)	-	9016-45-9	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	3,6,9,12,15-Pentaoxaheptadecan-1-ol, 17-(nonylphenoxy)-	-	27177-01-1	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29-(isononylphe	-	65455-72-3	Endocrine disrupting properties (Article 57(f) -	20-Jun-2013

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	noxy)-			environment)	
	2-(isononylphenoxy)ethanol	284-987-5	85005-55-6	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-, branched	293-926-1	91648-64-5	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	4-Nonylphenol, branched, ethoxylated	500-315-8	127087-87-0	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol;	255-695-5	42173-90-0	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	44-(nonylphenoxy)-3,6,9,12,15,18,21,24,27,30,33,36,39,42-tetradecaoxatetratetracontanol	260-678-0	57321-10-5	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	14-(nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol	247-555-7	26264-02-8	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol	247-816-5	26571-11-9	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	2-[2-(nonylphenoxy)ethoxy]ethanol	248-291-5	27176-93-8	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	20-(nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	248-292-0	27177-03-3	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	23-(nonylphenoxy)-3,6,9,12,15,18,21-heptaoxatricosan-1-ol	248-293-6	27177-05-5	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	29-(nonylphenoxy)-3,6,9,12,15,18,21,24,27-nonaoxanonacosanol	248-294-1	27177-08-8	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	2-(nonylphenoxy)ethanol	248-762-5	27986-36-3	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	2-(4-nonylphenoxy)ethanol	-	104-35-8	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-	-	20636-48-0	Endocrine disrupting properties (Article 57(f) -	20-Jun-2013

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
				environment)	
	4-t-Nonylphenol-diethoxylate	-	156609-10-8	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Nonylphenol, ethoxylated (EO = 10)	-	-	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Nonylphenol, ethoxylated (EO = 4)	-	-	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Nonylphenol, ethoxylated (polymer)	-	-	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	2-{2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy}ethanol	-	1119449-38-5	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol	-	1119449-37-4	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Nonylphenolpolyglycolether	-	-	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	4-Nonylphenol, branched, ethoxylated	-	127087-87-0	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)-ω-hydroxy-	-	9016-45-9	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	Isononylphenol, ethoxylated	-	37205-87-1	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	20-(isononylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	265-785-6	65455-69-8	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
	17-(4-nonylphenoxy)-3,6,9,12,15-pentaoxaheptadecan-1-ol	-	34166-38-6	Endocrine disrupting properties (Article 57(f) - environment)	20-Jun-2013
140	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	Toxic for reproduction (Article 57c)#PBT (Article 57d)	20-Jun-2013
141	Cadmium	231-152-8	7440-43-9	Carcinogenic (Article 57a)#Specific target	20-Jun-2013

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
				organ toxicity after repeated exposure (Article 57(f) - human health)	
142	Cadmium oxide	215-146-2	1306-19-0	Carcinogenic (Article 57a)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	20-Jun-2013
143	Dipentyl phthalate (DPP)	205-017-9	131-18-0	Toxic for reproduction (Article 57c)	20-Jun-2013
144	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	Toxic for reproduction (Article 57c)#PBT (Article 57d)	20-Jun-2013
145	Cadmium sulphide	215-147-8	1306-23-6	Carcinogenic (Article 57a)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	16-Dec-2013
146	Dihexyl phthalate	201-559-5	84-75-3	Toxic for reproduction (Article 57c)	16-Dec-2013
147	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	Carcinogenic (Article 57a)	16-Dec-2013
148	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	Carcinogenic (Article 57a)	16-Dec-2013
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	Toxic for reproduction (Article 57c)	16-Dec-2013
150	Lead di(acetate)	206-104-4	301-04-2	Toxic for reproduction (Article 57c)	16-Dec-2013
151	Trixylyl phosphate	246-677-8	25155-23-1	Toxic for reproduction (Article 57c)	16-Dec-2013
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	Toxic for reproduction (Article 57c)	16-Jun-2014
153	Cadmium chloride	233-296-7	10108-64-2	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for	16-Jun-2014

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
				reproduction (Article 57c)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	
154	Sodium perborate, perboric acid, sodium salt	-	-	Toxic for reproduction (Article 57c)	16-Jun-2014
	Perboric acid, sodium salt, tetrahydrate ()	-	37244-98-7	Toxic for reproduction (Article 57c)	16-Jun-2014
	Perboric acid (HBO(O2)), sodium salt, tetrahydrate	-	10486-00-7	Toxic for reproduction (Article 57c)	16-Jun-2014
	Sodium perborate monohydrate	-	10332-33-9	Toxic for reproduction (Article 57c)	16-Jun-2014
	Sodium perborate	239-172-9	15120-21-5	Toxic for reproduction (Article 57c)	16-Jun-2014
	Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2)	-	90568-23-3	Toxic for reproduction (Article 57c)	16-Jun-2014
	Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6)	-	125022-34-6	Toxic for reproduction (Article 57c)	16-Jun-2014
	Perboric acid, sodium salt	234-390-0	11138-47-9	Toxic for reproduction (Article 57c)	16-Jun-2014
	Perboric acid (H3BO2(O2)), monosodium salt, trihydrate	-	13517-20-9	Toxic for reproduction (Article 57c)	16-Jun-2014
155	Sodium peroxometaborate	231-556-4	7632-04-4	Toxic for reproduction (Article 57c)	16-Jun-2014
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	PBT (Article 57d)#vPvB (Article 57e)	17-Dec-2014
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	PBT (Article 57d)#vPvB (Article 57e)	17-Dec-2014
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	Toxic for reproduction (Article 57c)	17-Dec-2014
159	Cadmium fluoride	232-222-0	7790-79-6	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	17-Dec-2014

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
160	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	17-Dec-2014
161	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)	-	-	Toxic for reproduction (Article 57c)	17-Dec-2014
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	-	-	Toxic for reproduction (Article 57c)	15-Jun-2015
	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	271-094-0	68515-51-5	Toxic for reproduction (Article 57c)	15-Jun-2015
	1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	272-013-1	68648-93-1	Toxic for reproduction (Article 57c)	15-Jun-2015
163	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]	-	-	vPvB (Article 57e)	15-Jun-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-	-	-	vPvB (Article 57e)	15-Jun-2015

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	1-yl]-5-methyl-1,3-dioxane				
	1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-	-	117933-89-8	vPvB (Article 57e)	15-Jun-2015
	5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-	-	vPvB (Article 57e)	15-Jun-2015
	1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-	-	186309-28-4	vPvB (Article 57e)	15-Jun-2015
	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-05-8	vPvB (Article 57e)	15-Jun-2015
	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel-	-	343934-04-3	vPvB (Article 57e)	15-Jun-2015
	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-09-2	vPvB (Article 57e)	15-Jun-2015
	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel-	-	343934-05-4	vPvB (Article 57e)	15-Jun-2015
	1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-04-7	vPvB (Article 57e)	15-Jun-2015
	1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-08-1	vPvB (Article 57e)	15-Jun-2015
	1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-03-6	vPvB (Article 57e)	15-Jun-2015
	1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-07-0	vPvB (Article 57e)	15-Jun-2015
	1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-	-	676367-02-5	vPvB (Article 57e)	15-Jun-2015
	1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	-	676367-06-9	vPvB (Article 57e)	15-Jun-2015
	Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5	413-720-9	-	vPvB (Article 57e)	15-Jun-2015

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane				
	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-	-	vPvB (Article 57e)	15-Jun-2015
164	1,3-propanesultone	214-317-9	1120-71-4	Carcinogenic (Article 57a)	17-Dec-2015
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	vPvB (Article 57e)	17-Dec-2015
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	vPvB (Article 57e)	17-Dec-2015
167	Nitrobenzene	202-716-0	98-95-3	Toxic for reproduction (Article 57c)	17-Dec-2015
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	-	Toxic for reproduction (Article 57c)#PBT (Article 57d)	17-Dec-2015
	Ammonium salts of perfluorononan-1-oic-acid	-	4149-60-4	Toxic for reproduction (Article 57c)#PBT (Article 57d)	17-Dec-2015
	Perfluorononan-1-oic-acid	206-801-3	375-95-1	Toxic for reproduction (Article 57c)#PBT (Article 57d)	17-Dec-2015
	Sodium salts of perfluorononan-1-oic-acid	-	21049-39-8	Toxic for reproduction (Article 57c)#PBT (Article 57d)	17-Dec-2015
169	Benzo[def]chrysene (Benzo[a]pyrene)	200-028-5	50-32-8	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)#PBT (Article 57d)#vPvB (Article 57e)	20-Jun-2016
170	4,4'-isopropylidenediphenol	201-245-8	80-05-7	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	12-Jan-2017
171	4-heptylphenol, branched and linear	-	-	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	Phenol, heptyl derivs.	276-743-1	72624-02-3	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-heptylphenol	217-862-0	1987-50-4	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(2,3,3-trimethylbutan-2-yl)phenol	-	72861-06-4	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(2,4-dimethylpentan-2-yl)phenol	-	33104-11-9	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(3-ethylpentan-3-yl)phenol	-	37872-24-5	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(2-methylhexan-2-yl)phenol	-	30784-31-7	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(3,3-dimethylpentan-2-yl)phenol	-	911371-06-7	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(3-methylhexan-2-yl)phenol	-	854904-93-1	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(4,4-dimethylpentan-2-yl)phenol	-	911371-07-8	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(4-methylhexan-2-yl)phenol	-	71945-81-8	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(3-methylhexan-3-yl)phenol	-	30784-32-8	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(2,2-dimethylpentan-3-yl)phenol	-	861010-65-3	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(5-methylhexan-3-yl)phenol	-	854904-92-0	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(heptan-3-yl)phenol	-	6465-74-3	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	4-(heptan-2-yl)phenol	-	6863-24-7	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(heptan-4-yl)phenol	-	6465-71-0	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(3-ethylpentyl)phenol	-	911370-98-4	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(3-methylhexyl)phenol	-	102570-52-5	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(4-methylhexyl)phenol	-	1139800-98-8	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(5-methylhexyl)phenol	-	100532-36-3	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(2,4-dimethylpentan-3-yl)phenol	-	1824346-00-0	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(2,3-dimethylpentan-2-yl)phenol	-	861011-60-1	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	Phenol, 4-(1-ethyl-1,2-dimethylpropyl)-	-	30784-27-1	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	Phenol, 4-tert-heptyl-	-	288864-02-8	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
	4-(5-methylhexan-2-yl)phenol	-	857629-71-1	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	-	Toxic for reproduction (Article 57c)#PBT (Article 57d)	12-Jan-2017
	Nonadecafluorodecanoic acid	206-400-3	335-76-2	Toxic for reproduction (Article 57c)#PBT (Article 57d)	12-Jan-2017
	sodium nonadecafluorodecanoate	-	3830-45-3	Toxic for reproduction (Article 57c)#PBT (Article 57d)	12-Jan-2017

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	Ammonium nonadecafluorodecanoate	221-470-5	3108-42-7	Toxic for reproduction (Article 57c)#PBT (Article 57d)	12-Jan-2017
173	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Endocrine disrupting properties (Article 57(f) - environment)	12-Jan-2017
174	Perfluorohexane-1-sulphonic acid and its salts	-	-	vPvB (Article 57e)	07-Jul-2017
	ammonium perfluorohexane-1-sulphonate	269-511-6	68259-08-5	vPvB (Article 57e)	07-Jul-2017
	perfluorohexane-1-sulphonic acid	206-587-1	355-46-4	vPvB (Article 57e)	07-Jul-2017
	tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	274-462-9	70225-16-0	vPvB (Article 57e)	07-Jul-2017
	potassium perfluorohexane-1-sulphonate	223-393-2	3871-99-6	vPvB (Article 57e)	07-Jul-2017
	N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate	-	108427-55-0	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-2017
	Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecaflu	-	1329995-45-0	vPvB (Article 57e)	07-Jul-2017

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	oro-1-hexanesulfonic acid ion(1-) (1:1)				
	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	vPvB (Article 57e)	07-Jul-2017
	Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	144116-10-9	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-2017
	Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	-	153443-35-7	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-2017
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)	-	341035-71-0	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-2017

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	-	421555-74-0	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-2017
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt	-	70136-72-0	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-2017
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt	-	82382-12-5	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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-tri	-	911027-69-5	vPvB (Article 57e)	07-Jul-2017

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	decafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate				
	N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate	-	108427-54-9	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-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	vPvB (Article 57e)	07-Jul-2017
175	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”™)	-	-	vPvB (Article 57e)	15-Jan-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^{6},^{9}.0^{2},^{13}.0^{5},^{10}]octadeca-7,15-diene	-	135821-03-3	vPvB (Article 57e)	15-Jan-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	236-948-9	13560-89-9	vPvB (Article 57e)	15-Jan-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^{6},^{9}.0^{2},^{13}.0^{5},^{10}]octadeca-7,15-diene	-	135821-74-8	vPvB (Article 57e)	15-Jan-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	-	-	vPvB (Article 57e)	15-Jan-2018

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	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	-	-	vPvB (Article 57e)	15-Jan-2018
176	Benz[a]anthracene	200-280-6	56-55-3	Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)	15-Jan-2018
177	Cadmium carbonate	208-168-9	513-78-0	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	15-Jan-2018
178	Cadmium hydroxide	244-168-5	21041-95-2	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	15-Jan-2018
179	Cadmium nitrate	233-710-6	10325-94-7	Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	15-Jan-2018
180	Chrysene	205-923-4	218-01-9	Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)	15-Jan-2018
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-	Endocrine disrupting properties (Article 57(f) - environment)	15-Jan-2018
	Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.	-	1471311-26-8	Endocrine disrupting properties (Article 57(f) - environment)	15-Jan-2018
	Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hy	300-298-5	93925-00-9	Endocrine disrupting properties (Article 57(f) - environment)	15-Jan-2018

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	drazine				
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	209-008-0	552-30-7	Respiratory sensitising properties (Article 57(f) - human health)	27-Jun-2018
183	Benzo[ghi]perylene	205-883-8	191-24-2	PBT (Article 57d)#vPvB (Article 57e)	27-Jun-2018
184	Decamethylcyclopentasiloxane	208-764-9	541-02-6	PBT (Article 57d)#vPvB (Article 57e)	27-Jun-2018
185	Dicyclohexyl phthalate	201-545-9	84-61-7	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - human health)	27-Jun-2018
186	Disodium octaborate	234-541-0	12008-41-2	Toxic for reproduction (Article 57c)	27-Jun-2018
187	Dodecamethylcyclohexasiloxane	208-762-8	540-97-6	PBT (Article 57d)#vPvB (Article 57e)	27-Jun-2018
188	Ethylenediamine	203-468-6	107-15-3	Respiratory sensitising properties (Article 57(f) - human health)	27-Jun-2018
189	Lead	231-100-4	7439-92-1	Toxic for reproduction (Article 57c)	27-Jun-2018
190	Octamethylcyclotetrasiloxane	209-136-7	556-67-2	PBT (Article 57d)#vPvB (Article 57e)	27-Jun-2018
191	Terphenyl, hydrogenated	262-967-7	61788-32-7	vPvB (Article 57e)	27-Jun-2018
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8	Endocrine disrupting properties (Article 57(f) - environment)	15-Jan-2019
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	Toxic for reproduction (Article 57c)	15-Jan-2019
194	Benzo[k]fluoranthene	205-916-6	207-08-9	Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)	15-Jan-2019
195	Fluoranthene	205-912-4	206-44-0	PBT (Article 57d)#vPvB (Article 57e)	15-Jan-2019
196	Phenanthrene	201-581-5	85-01-8	vPvB (Article 57e)	15-Jan-2019
197	Pyrene	204-927-3	129-00-0	PBT (Article 57d)#vPvB (Article 57e)	15-Jan-2019
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts a	-	-	Equivalent level of concern having probable	16-Jul-2019

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	nd its acyl halides			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)	
	ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	-	62037-80-3	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)	16-Jul-2019
	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride	218-173-8	2062-98-8	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)	16-Jul-2019
	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid	236-236-8	13252-13-6	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)	16-Jul-2019
	potassium 2,3,3,3-tetrafluoro-2-(h	266-578-3	67118-55-2	Equivalent level of	16-Jul-2019

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	eptafluoropropoxy)propionate			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)	
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-	-	75579-39-4	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)	16-Jul-2019
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-	-	75579-40-7	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)	16-Jul-2019
199	2-methoxyethyl acetate	203-772-9	110-49-6	Toxic for reproduction (Article 57c)	16-Jul-2019
200	4-tert-butylphenol	202-679-0	98-54-4	Endocrine disrupting properties (Article 57(f) - environment)	16-Jul-2019
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Endocrine disrupting properties (Article 57(f) - environment)	16-Jul-2019
	tris(4-nonylphenyl, branched) phosphite	-	-	Endocrine disrupting properties (Article 57(f) -	16-Jul-2019

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
				environment)	
	Phenol, p-sec-nonyl-, phosphite	-	106599-06-8	Endocrine disrupting properties (Article 57(f) - environment)	16-Jul-2019
	tris(nonylphenyl) phosphite	247-759-6	26523-78-4	Endocrine disrupting properties (Article 57(f) - environment)	16-Jul-2019
	Phenol, 4-nonyl-, phosphite (3:1)	-	3050-88-2	Endocrine disrupting properties (Article 57(f) - environment)	16-Jul-2019
	Phenol, p-isononyl-, phosphite (3:1)	-	31631-13-7	Endocrine disrupting properties (Article 57(f) - environment)	16-Jul-2019
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	Toxic for reproduction (Article 57c)	16-Jan-2020
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	Toxic for reproduction (Article 57c)	16-Jan-2020
204	Diisohexyl phthalate	276-090-2	71850-09-4	Toxic for reproduction (Article 57c)	16-Jan-2020
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	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)	16-Jan-2020
	N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	-	25628-08-4	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)	16-Jan-2020
	magnesium perfluorobutanesulfo	-	507453-86-3	Equivalent level of	16-Jan-202

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	nate			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)	0
	lithium perfluorobutanesulfonate	-	131651-65-5	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)	16-Jan-2020
	morpholinium perfluorobutanesulfonate	-	503155-89-3	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)	16-Jan-2020
	1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid	206-793-1	375-73-5	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)	16-Jan-2020

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	269-513-7	68259-10-9	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)	16-Jan-2020
	tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate	444-440-5	220689-12-3	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)	16-Jan-2020
	dimethyl(phenyl)sulfanium perfluorobutanesulfonate	452-310-4	220133-51-7	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)	16-Jan-2020
	1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate	468-770-4	-	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) -	16-Jan-2020

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
				environment)	
	Triphenylsulfanium perfluorobutane sulfonate	478-340-8	144317-44-2	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)	16-Jan-2020
	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	249-616-3	29420-49-3	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)	16-Jan-2020
	bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate	432-660-4	194999-85-4	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)	16-Jan-2020
206	1-vinylimidazole	214-012-0	1072-63-5	Toxic for reproduction (Article 57c)	25-Jun-2020
207	2-methylimidazole	211-765-7	693-98-1	Toxic for reproduction (Article 57c)	25-Jun-2020
208	Butyl 4-hydroxybenzoate	202-318-7	94-26-8	Endocrine disrupting properties (Article 57(f) - human health)	25-Jun-2020
209	Dibutylbis(pentane-2,4-dionato-O,	245-152-0	22673-19-4	Toxic for reproduction	25-Jun-202

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	O')tin			(Article 57c)	0
210	Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-7	143-24-8	Toxic for reproduction (Article 57c)	19-Jan-2021
211	Dioctyltin 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	-	-	Toxic for reproduction (Article 57c)	19-Jan-2021
	Stannane, dioctyl-, bis(coco acyloxy) derivs.	293-901-5	91648-39-4	Toxic for reproduction (Article 57c)	19-Jan-2021
	dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.	-	-	Toxic for reproduction (Article 57c)	19-Jan-2021
	Dioctyltin dilaurate	222-883-3	3648-18-8	Toxic for reproduction (Article 57c)	19-Jan-2021
212	1,4-dioxane	204-661-8	123-91-1	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)	08-Jul-2021
213	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)	-	-	Carcinogenic (Article 57a)	08-Jul-2021
	2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA)	253-057-0	36483-57-5	Carcinogenic (Article 57a)	08-Jul-2021
	3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)	-	1522-92-5	Carcinogenic (Article 57a)	08-Jul-2021
	2,2-bis(bromomethyl)propane-1,3-diol (BMP)	221-967-7	3296-90-0	Carcinogenic (Article 57a)	08-Jul-2021
	2,3-dibromo-1-propanol (2,3-DBPA)	202-480-9	96-13-9	Carcinogenic (Article 57a)	08-Jul-2021

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	Toxic for reproduction (Article 57c)	08-Jul-2021
	2-(4-tert-butylbenzyl)propionaldehyde	201-289-8	80-54-6	Toxic for reproduction (Article 57c)	08-Jul-2021
	(2S)-3-(4-tert-butylphenyl)-2-methylpropanal	-	75166-30-2	Toxic for reproduction (Article 57c)	08-Jul-2021
	(2R)-3-(4-tert-butylphenyl)-2-methylpropanal	-	75166-31-3	Toxic for reproduction (Article 57c)	08-Jul-2021
215	4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	08-Jul-2021
216	glutaral	203-856-5	111-30-8	Respiratory sensitising properties (Article 57(f) - human health)	08-Jul-2021
217	Medium-chain chlorinated paraffins (MCCP)	-	-	PBT (Article 57d)#vPvB (Article 57e)	08-Jul-2021
	di-, tri- and tetrachlorotetradecane	-	-	PBT (Article 57d)#vPvB (Article 57e)	08-Jul-2021
	Alkanes, C14-17, chloro	287-477-0	85535-85-9	PBT (Article 57d)#vPvB (Article 57e)	08-Jul-2021
	Tetradecane, chloro derivs.	-	198840-65-2	PBT (Article 57d)#vPvB (Article 57e)	08-Jul-2021
	Alkanes, C14-16, chloro	-	1372804-76-6	PBT (Article 57d)#vPvB (Article 57e)	08-Jul-2021
218	orthoboric acid, sodium salt	-	-	Toxic for reproduction (Article 57c)	08-Jul-2021
	Boric acid, sodium salt	215-604-1	1333-73-9	Toxic for reproduction (Article 57c)	08-Jul-2021
	Orthoboric acid, sodium salt	237-560-2	13840-56-7	Toxic for reproduction (Article 57c)	08-Jul-2021
	boric acid (H3BO3), sodium salt, hydrate	-	25747-83-5	Toxic for reproduction (Article 57c)	08-Jul-2021
	Boric acid (H3BO3), disodium salt	-	22454-04-2	Toxic for reproduction (Article 57c)	08-Jul-2021
	boric acid (H3BO3), sodium salt (1:1)	-	14890-53-0	Toxic for reproduction (Article 57c)	08-Jul-2021
	Trisodium orthoborate	238-253-6	14312-40-4	Toxic for reproduction (Article 57c)	08-Jul-2021

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	08-Jul-2021
	4-isododecylphenol	-	27459-10-5	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	08-Jul-2021
	Phenol, tetrapropylene-	-	57427-55-1	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	08-Jul-2021
	Phenol, 4-dodecyl, branched	-	210555-94-5	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	08-Jul-2021
	Phenol, (tetrapropenyl) derivatives	-	74499-35-7	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	08-Jul-2021
	Phenol, 4-isododecyl-	-	27147-75-7	Toxic for reproduction (Article 57c)#Endocrine disrupting properties	08-Jul-2021

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
				(Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	
	Phenol, dodecyl-, branched	310-154-3	121158-58-5	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	08-Jul-2021
220	(±)-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)	-	-	Endocrine disrupting properties (Article 57(f) - human health)	17-Jan-2022
	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one	253-242-6	36861-47-9	Endocrine disrupting properties (Article 57(f) - human health)	17-Jan-2022
	(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	1782069-81-1	Endocrine disrupting properties (Article 57(f) - human health)	17-Jan-2022
	(1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	95342-41-9	Endocrine disrupting properties (Article 57(f) - human health)	17-Jan-2022
	(1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	852541-30-1	Endocrine disrupting properties (Article 57(f) - human health)	17-Jan-2022
	(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	852541-21-0	Endocrine disrupting properties (Article 57(f) - human health)	17-Jan-2022
	(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	741687-98-9	Endocrine disrupting properties (Article 57(f) - human health)	17-Jan-2022
	(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	-	852541-25-4	Endocrine disrupting properties (Article 57(f) - human health)	17-Jan-2022
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	204-327-1	119-47-1	Toxic for reproduction (Article 57c)	17-Jan-2022
222	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobut	401-850-9	255881-94-8	PBT (Article 57d)	17-Jan-2022

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
	yl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate				
223	tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4	Toxic for reproduction (Article 57c)	17-Jan-2022
224	N-(hydroxymethyl)acrylamide	213-103-2	924-42-5	Carcinogenic (Article 57a)#Mutagenic (Article 57b)	10-Jun-2022
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	vPvB (Article 57e)	17-Jan-2023
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	79-94-7	Carcinogenic (Article 57a)	17-Jan-2023
227	4,4'-sulphonyldiphenol	201-250-5	80-09-1	Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	17-Jan-2023
228	Barium diboron tetraoxide	237-222-4	13701-59-2	Toxic for reproduction (Article 57c)	17-Jan-2023
229	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	vPvB (Article 57e)	17-Jan-2023
	Bis(2-ethylhexyl) tetrabromophthalate	247-426-5	26040-51-7	vPvB (Article 57e)	17-Jan-2023
230	Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3	Endocrine disrupting properties (Article 57(f) - human health)	17-Jan-2023
231	Melamine	203-615-4	108-78-1	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)	17-Jan-2023

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
232	Perfluoroheptanoic acid and its salts	-	-	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)	17-Jan-2023
	Sodium perfluoroheptanoate	243-518-4	20109-59-5	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)	17-Jan-2023
	Ammonium perfluoroheptanoate	228-098-2	6130-43-4	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)	17-Jan-2023
	Potassium perfluoroheptanoate	-	21049-36-5	Toxic for reproduction	17-Jan-202

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
				(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)	3
	Perfluoroheptanoic acid	206-798-9	375-85-9	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)	17-Jan-2023
233	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	-	vPvB (Article 57e)	17-Jan-2023
234	bis(4-chlorophenyl) sulphone	201-247-9	80-07-9	vPvB (Article 57e)	14-Jun-2023
235	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	278-355-8	75980-60-8	Toxic for reproduction (Article 57c)	14-Jun-2023
236	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	700-960-7	-	vPvB (Article 57e)	23-Jan-2024
	Phenol, methylstyrenated	270-966-8	68512-30-1	vPvB (Article 57e)	23-Jan-2024
237	Bumetrizole (UV-326)	223-445-4	3896-11-5	vPvB (Article 57e)	23-Jan-2024

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No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	438-340-0	119344-86-4	Toxic for reproduction (Article 57c)	23-Jan-2024
239	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	221-573-5	3147-75-9	vPvB (Article 57e)	23-Jan-2024
240	2,4,6-tri-tert-butylphenol	211-989-5	732-26-3	Toxic for reproduction (Article 57c)#PBT (Article 57d)	23-Jan-2024
241	Bis(α,α-dimethylbenzyl) peroxide	201-279-3	80-43-3	Toxic for reproduction (Article 57c)	27-Jun-2024
242	Triphenyl phosphate	204-112-2	115-86-6	Endocrine disrupting properties (Article 57(f) - environment)	07-Nov-2024
243	O,O,O-triphenyl phosphorothioate	209-909-9	597-82-0	PBT (Article 57d)	21-Jan-2025
244	Perfluamine	206-420-2	338-83-0	vPvB (Article 57e)	21-Jan-2025
245	Octamethyltrisiloxane	203-497-4	107-51-7	vPvB (Article 57e)	21-Jan-2025
246	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	701-118-1	2156592-54-8	Toxic for reproduction (Article 57c)	21-Jan-2025
247	Reaction mass of triphenylthiophosphate and tertiary butylated phenyl derivatives	421-820-9	192268-65-8	PBT (Article 57d)	21-Jan-2025
248	tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate (Reactive Brown 51) substance having a complex composition with <80% of the above constituents and other reaction side products	466-490-7	--	Toxic for reproduction (Article 57c)	25-Jun-2025
249	decamethyltetrasiloxane	205-491-7	141-62-8	vPvB (Article 57e)	25-Jun-2025
250	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	241-867-7	17928-28-8	vPvB (Article 57e)	25-Jun-2025

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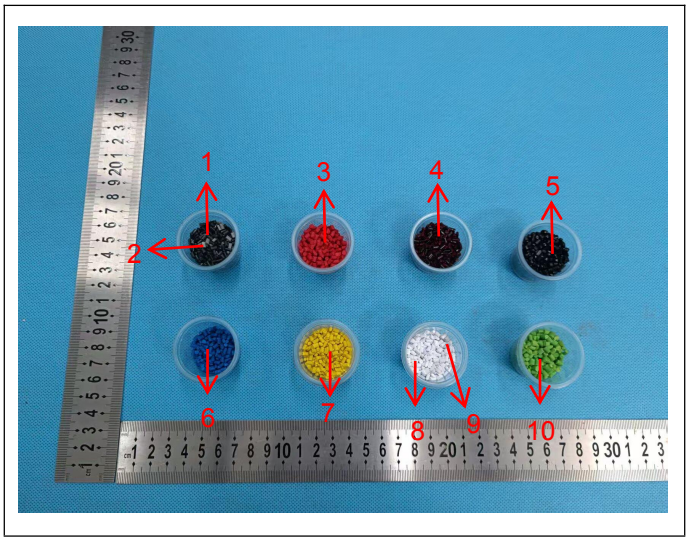
No.	Substance Name	EC No.	CAS No.	Reason for inclusion	Date of inclusion
251	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)	284-366-9	84852-53-9	vPvB (Article 57e)	05-Nov-2025
252	n-hexane	203-777-6	110-54-3	Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	04-Feb-2026
253	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and itssalts	--	--	Toxic for reproduction (Article 57c)	04-Feb-2026

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Sample Description:

PART A: Mixture of non-metal parts	
Material No.	**Description**
1	Black plastic
2	Grey plastic
3	Red plastic
4	Reddish-brown plastic
5	Black plastic
6	Blue plastic
7	Yellow plastic
8	White plastic
9	Sky-blue plastic
10	Green plastic

Tested sample photos



-------THE END OF REPORT-------

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