

**2021: Version 3**

Dear Customer,

Subject: SVHC declaration

ECHA has so far identified certain chemical substances as the Substances of Very High Concern (SVHC).

Appendix 1 on the following pages also gives the current list of SVHC substances which are in the Candidate List of REACH Regulation (EC/1907/2006) (Updated January 2021).

- We confirm that these substances are not present in more than 0.1% weight / weight in Polyethylene Relene JF19020.

As the list is subjected to be updated from time to time, we will also update you on the SVHC status of any such chemical, if included at later stage.

The declarations given above are applicable to the material as it leaves the RIL production facilities and does not include any substance subsequently added by the converter or any other agency. As the conditions of usage at the customer's place are beyond the control of RIL, Customers are advised to make their own decision regarding their use of our grade is safe, lawful and suitable for the intended applications.

Encl: Appendix 1

*(Computer generated statement, hence does not require any signature)*

Appendix – 1 : Candidate List of Substances of Very High Concern (SVHC) for Authorisation					
Sr. No.	Name	EC no.	CAS no.	Date of inclusion	Reason for inclusion
1	Benzo[def]chrysene (Benzo[a]pyrene), 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 57 d)
					vPvB (Article 57 e)
2	1,3-propanesultone	214-317-9	1120-71-4	17-12-2015	Carcinogenic (Article 57a)
3	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	17-12-2015	vPvB (Article 57 e)
4	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 57 e)
5	Nitrobenzene	202-716-0	98-95-3	17-12-2015	Toxic for reproduction (Article 57c)
6	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	-	17-12-2015	Toxic for reproduction (Article 57c)
	Perfluorononan-1-oic-acid EC no.: 206-801-3   CAS no.: 375-95-1				PBT (Article 57 d)
	Sodium salts of perfluorononan-1-oic-acid EC no.: -   CAS no.: -, 21049-39-8				
	Ammonium salts of perfluorononan-1-oic-acid EC no.: -   CAS no.: -, 4149-60-4				
7	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	-	-	15-06-2015	Toxic for reproduction (Article 57c)
	with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)				
	1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters EC no.: 272-013-1   CAS no.: 68648-93-1				
	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters EC no.: 271-094-0   CAS no.: 68515-51-5				
8	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]	-	-	15-06-2015	vPvB (Article 57 e)

	covering any of the individual stereoisomers of [1] and [2] or any combination thereof				
	5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane EC no.: -   CAS no.: -				
	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane EC no.: -   CAS no.: -				
9	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	17-12-2014	PBT (Article 57 d)
					vPvB (Article 57 e)
10	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	17-12-2014	PBT (Article 57 d)
					vPvB (Article 57 e)
11	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)
12	Cadmium fluoride	232-222-0	7790-79-6	17-12-2014	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)
					Toxic for reproduction (Article 57c)
					Equivalent level of concern having probable serious effects to human health (Article 57 f)
13	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)
					Equivalent level of concern having probable serious effects to human health (Article 57 f)
14	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)
15	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	16-06-2014	Toxic for reproduction (Article 57c)
16	Cadmium chloride	233-296-7	10108-64-2	16-06-2014	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)

					Toxic for reproduction (Article 57c)
					Equivalent level of concern having probable serious effects to human health (Article 57 f)
17	Sodium perborate, perboric acid, sodium salt Sodium perborate EC no.: 239-172-9   CAS no.: 15120-21-5 Perboric acid, sodium salt EC no.: 234-390-0   CAS no.: 11138-47-9	-	-	16-06-2014	Toxic for reproduction (Article 57c)
18	Sodium peroxometaborate	231-556-4	04-04-7632	16-06-2014	Toxic for reproduction (Article 57c)
19	Cadmium sulphide	215-147-8	1306-23-6	16-12-2013	Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57 f)
20	Dihexyl phthalate	201-559-5	84-75-3	16-12-2013	Toxic for reproduction (Article 57c)
21	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)
22	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)
23	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	16-12-2013	Toxic for reproduction (Article 57c)
24	Lead di(acetate)	206-104-4	301-04-2	16-12-2013	Toxic for reproduction (Article 57c)
25	Trixylyl phosphate	246-677-8	25155-23-1	16-12-2013	Toxic for reproduction (Article 57c)
26	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	-	-	20-06-2013	Equivalent level of concern having probable serious effects to environment (Article 57 f)

	combinations thereof				
27	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	20-06-2013	PBT (Article 57 d) Toxic for reproduction (Article 57c)
28	Cadmium	231-152-8	7440-43-9	20-06-2013	Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57 f)
29	Cadmium oxide	215-146-2	1306-19-0	20-06-2013	Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57 f)
30	Dipentyl phthalate (DPP)	205-017-9	131-18-0	20-06-2013	Toxic for reproduction (Article 57c)
31	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	20-06-2013	PBT (Article 57 d) Toxic for reproduction (Article 57c)
32	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	284-032-2	84777-06-0	19-12-2012	Toxic for reproduction (Article 57c)
33	1,2-diethoxyethane	211-076-1	629-14-1	19-12-2012	Toxic for reproduction (Article 57c)
34	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	19-12-2012	Toxic for reproduction (Article 57c)
35	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	19-12-2012	Toxic for reproduction (Article 57c)
36	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	19-12-2012	Carcinogenic (Article 57a)
37	4,4'-oxydianiline and its salts 4,4'-oxydianiline EC no.: 202-977-0   CAS no.: 101-80-4	-	-	19-12-2012	Carcinogenic (Article 57a) Mutagenic (Article 57b)
38	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated covering well-defined substances and UVCB substances, polymers and homologues	-	-	19-12-2012	Equivalent level of concern having probable serious effects to environment (Article 57 f)
39	4-aminoazobenzene	200-453-6	60-09-3	19-12-2012	Carcinogenic (Article 57a)
40	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	19-12-2012	Carcinogenic (Article 57a)
41	4-Nonylphenol, branched and linear	-	-	19-12-2012	Equivalent level of concern having probable

	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				serious effects to environment (Article 57 f)
42	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	19-12-2012	Carcinogenic (Article 57a)
43	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	19-12-2012	Toxic for reproduction (Article 57c)
44	Acetic acid, lead salt, basic	257-175-3	51404-69-4	19-12-2012	Toxic for reproduction (Article 57c)
45	Biphenyl-4-ylamine	202-177-1	92-67-1	19-12-2012	Carcinogenic (Article 57a)
46	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	214-604-9	1163-19-5	19-12-2012	PBT (Article 57 d)
					vPvB (Article 57 e)
47	Cyclohexane-1,2-dicarboxylic anhydride	-	-	19-12-2012	Equivalent level of concern having probable serious effects to human health (Article 57 f)
	all possible combinations of the cis- and trans-isomers				
	Cyclohexane-1,2-dicarboxylic anhydride EC no.: 201-604-9   CAS no.: 85-42-7				
	cis-cyclohexane-1,2-dicarboxylic anhydride EC no.: 236-086-3   CAS no.: 13149-00-3				
	trans-cyclohexane-1,2-dicarboxylic anhydride EC no.: 238-009-9   CAS no.: 14166-21-3				
48	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	19-12-2012	Equivalent level of concern having probable serious effects to human health (Article 57 f)
49	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	19-12-2012	Toxic for reproduction (Article 57c)
50	Diethyl sulphate	200-589-6	64-67-5	19-12-2012	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)
51	Diisopentyl phthalate	210-088-4	605-50-5	19-12-2012	Toxic for reproduction (Article 57c)
52	Dimethyl sulphate	201-058-1	77-78-1	19-12-2012	Carcinogenic (Article 57a)
53	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	19-12-2012	Toxic for reproduction (Article 57c)
54	Dioxobis( tearate)trilead	235-702-8	12578-12-0	19-12-2012	Toxic for reproduction (Article 57c)

55	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	19-12-2012	Toxic for reproduction (Article 57c)
56	Furan	203-727-3	110-00-9	19-12-2012	Carcinogenic (Article 57a)
57	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	19-12-2012	vPvB (Article 57 e)
58	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	19-12-2012	vPvB (Article 57 e)
59	Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers Hexahydro-1-methylphthalic anhydride EC no.: 256-356-4   CAS no.: 48122-14-1 Hexahydromethylphthalic anhydride EC no.: 247-094-1   CAS no.:25550-51-0 Hexahydro-4-methylphthalic anhydride EC no.: 243-072-0   CAS no.: 19438-60-9 Hexahydro-3-methylphthalic anhydride EC no.: 260-566-1   CAS no.: 57110-29-9	-	-	19-12-2012	Equivalent level of concern having probable serious effects to human health (Article 57 f)
60	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	19-12-2012	Toxic for reproduction (Article 57c)
61	Lead cyanamidate	244-073-9	20837-86-9	19-12-2012	Toxic for reproduction (Article 57c)
62	Lead dinitrate	233-245-9	10099-74-8	19-12-2012	Toxic for reproduction (Article 57c)
63	Lead monoxide (lead oxide)	215-267-0	1317-36-8	19-12-2012	Toxic for reproduction (Article 57c)
64	Lead oxide sulfate	234-853-7	12036-76-9	19-12-2012	Toxic for reproduction (Article 57c)
65	Lead titanium trioxide	235-038-9	12060-00-3	19-12-2012	Toxic for reproduction (Article 57c)
66	Lead titanium zirconium oxide	235-727-4	12626-81-2	19-12-2012	Toxic for reproduction (Article 57c)
67	Methoxyacetic acid	210-894-6	625-45-6	19-12-2012	Toxic for reproduction (Article 57c)
68	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	19-12-2012	Carcinogenic (Article 57a) Mutagenic (Article 57b)
69	N,N-dimethylformamide	200-679-5	68-12-2	19-12-2012	Toxic for reproduction (Article 57c)
70	N-methylacetamide	201-182-6	79-16-3	19-12-2012	Toxic for reproduction (Article 57c)
71	N-pentyl-isopentylphthalate	-	776297-69-9	19-12-2012	Toxic for reproduction (Article 57c)

72	o-aminoazotoluene	202-591-2	97-56-3	19-12-2012	Carcinogenic (Article 57a)
73	o-toluidine	202-429-0	95-53-4	19-12-2012	Carcinogenic (Article 57a)
74	Orange lead (lead tetroxide)	215-235-6	1314-41-6	19-12-2012	Toxic for reproduction (Article 57c)
75	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	19-12-2012	vPvB (Article 57 e)
76	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	19-12-2012	Toxic for reproduction (Article 57c)
77	Pyrochlore, antimony lead yellow,	232-382-1	8012-00-8	19-12-2012	Toxic for reproduction (Article 57c)
78	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <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)
79	Silicic acid, lead salt	234-363-3	11120-22-2	19-12-2012	Toxic for reproduction (Article 57c)
80	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	19-12-2012	Toxic for reproduction (Article 57c)
81	Tetraethyllead	201-075-4	78-00-2	19-12-2012	Toxic for reproduction (Article 57c)
82	Tetralead trioxide sulphate	235-380-9	12202-17-4	19-12-2012	Toxic for reproduction (Article 57c)
83	Tricosafuorododecanoic acid	206-203-2	307-55-1	19-12-2012	vPvB (Article 57 e)
84	Trilead bis(carbonate) dihydroxide	215-290-6	1319-46-6	19-12-2012	Toxic for reproduction (Article 57c)
85	Trilead dioxide phosphonate	235-252-2	12141-20-7	19-12-2012	Toxic for reproduction (Article 57c)
86	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	203-977-3	112-49-2	18-06-2012	Toxic for reproduction (Article 57c)
87	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	18-06-2012	Toxic for reproduction (Article 57c)
88	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	18-06-2012	Mutagenic (Article 57b)



89	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC), 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione(β-TGIC) -	423-400-0	59653-74-6	18-06-2012	Mutagenic (Article 57b)
90	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	209-218-2	561-41-1	18-06-2012	Carcinogenic (Article 57a)
91	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	18-06-2012	Carcinogenic (Article 57a)
	[4-[4,4'-bis(dimethylamino)benzhydridene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	208-953-6	548-62-9	18-06-2012	Carcinogenic (Article 57a)
93	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	219-943-6	2580-56-5	18-06-2012	Carcinogenic (Article 57a)
94	Diboron trioxide	215-125-8	1303-86-2	18-06-2012	Toxic for reproduction (Article 57c)
95	Formamide	200-842-0	75-12-7	18-06-2012	Toxic for reproduction (Article 57c)
96	Lead(II) bis(methanesulfonate), Lead(II)bis(methanesulfonate) -	401-750-5	17570-76-2	18-06-2012	Toxic for reproduction (Article 57c)
97	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	18-06-2012	Carcinogenic (Article 57a)
98	α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	229-851-8	6786-83-0	18-06-2012	Carcinogenic (Article 57a)
99	1,2-dichloroethane	203-458-1	107-06-2	19-12-2011	Carcinogenic (Article 57a)

100	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	19-12-2011	Carcinogenic (Article 57a)
101	2-Methoxyaniline, o-Anisidine	201-963-1	90-04-0	19-12-2011	Carcinogenic (Article 57a)
102	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	19-12-2011	Equivalent level of concern having probable serious effects to environment (Article 57 f)
103	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	19-12-2011	Carcinogenic (Article 57a)
104	Arsenic acid	231-901-9	7778-39-4	19-12-2011	Carcinogenic (Article 57a)
105	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	19-12-2011	Toxic for reproduction (Article 57c)
106	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	19-12-2011	Toxic for reproduction (Article 57c)
107	Calcium arsenate	231-904-5	7778-44-1	19-12-2011	Carcinogenic (Article 57a)
108	Dichromium tris(chromate)	246-356-2	24613-89-6	19-12-2011	Carcinogenic (Article 57a)
109	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	19-12-2011	Carcinogenic (Article 57a)
110	Lead diazide, Lead azide	236-542-1	13424-46-9	19-12-2011	Toxic for reproduction (Article 57c)
111	Lead dipicrate	229-335-2	6477-64-1	19-12-2011	Toxic for reproduction (Article 57c)

112	Lead styphnate	239-290-0	15245-44-0	19-12-2011	Toxic for reproduction (Article 57c)
113	N,N-dimethylacetamide	204-826-4	127-19-5	19-12-2011	Toxic for reproduction (Article 57c)
114	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	19-12-2011	Carcinogenic (Article 57a)
115	Phenolphthalein	201-004-7	77-09-8	19-12-2011	Carcinogenic (Article 57a)
116	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	19-12-2011	Carcinogenic (Article 57a)
117	Trilead diarsenate	222-979-5	3687-31-8	19-12-2011	Carcinogenic (Article 57a)
					Toxic for reproduction (Article 57c)
118	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	19-12-2011	Carcinogenic (Article 57a)
119	1,2,3-trichloropropane	202-486-1	96-18-4	20-06-2011	Carcinogenic (Article 57a)
					Toxic for reproduction (Article 57c)
120	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)
121	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)
122	1-Methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	20-06-2011	Toxic for reproduction (Article 57c)
123	2-ethoxyethyl acetate	203-839-2	111-15-9	20-06-2011	Toxic for reproduction (Article 57c)

124	Hydrazine	206-114-9	302-01-2, 7803-57-8	20-06-2011	Carcinogenic (Article 57a)
125	Strontium chromate	232-142-6	02-06-7789	20-06-2011	Carcinogenic (Article 57a)
126	2-ethoxyethanol	203-804-1	110-80-5	15-12-2010	Toxic for reproduction (Article 57c)
127	2-methoxyethanol	203-713-7	109-86-4	15-12-2010	Toxic for reproduction (Article 57c)
128	Acids generated from chromium trioxide and their oligomers	-	-	15-12-2010	Carcinogenic (Article 57a)
	Chromic acid EC no.: 231-801-5   CAS no.: 13530-68-2				
	Dichromic acid EC no.: 236-881-5   CAS no.: 7738-94-5				
	Oligomers of chromic acid and dichromic acid EC no.: -   CAS no.: -				
129	Chromium trioxide	215-607-8	1333-82-0	15-12-2010	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)
130	Cobalt(II) carbonate	208-169-4	513-79-1	15-12-2010	Carcinogenic (Article 57a)
					Toxic for reproduction (Article 57c)
131	Cobalt(II) diacetate	200-755-8	71-48-7	15-12-2010	Carcinogenic (Article 57a)
					Toxic for reproduction (Article 57c)
132	Cobalt(II) dinitrate	233-402-1	10141-05-6	15-12-2010	Carcinogenic (Article 57a)
					Toxic for reproduction (Article 57c)
133	Cobalt(II) sulphate	233-334-2	10124-43-3	15-12-2010	Carcinogenic (Article 57a)
					Toxic for reproduction (Article 57c)
134	Ammonium dichromate	232-143-1	05-09-7789	18-06-2010	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)
					Toxic for reproduction (Article 57c)
135	Boric acid	-	-	18-06-2010	Toxic for reproduction (Article 57c)
	EC No. 233-139-2 and EC No. 234-343-4				
	Boric acid, crude natural EC no.: 234-343-4   CAS no.: 11113-50-1				
	Boric acid EC no.: 233-139-2   CAS no.: 10043-35-3				
136	Disodium tetraborate, anhydrous	215-540-4	12179-04-3, 1303-96-4, 1330-43-4	18-06-2010	Toxic for reproduction (Article 57c)

137	Potassium chromate	232-140-5	7789-00-6	18-06-2010	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)
138	Potassium dichromate	231-906-6	7778-50-9	18-06-2010	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)
					Toxic for reproduction (Article 57c)
139	Sodium chromate	231-889-5	03-11-7775	18-06-2010	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)
					Toxic for reproduction (Article 57c)
140	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	18-06-2010	Toxic for reproduction (Article 57c)
141	Trichloroethylene	201-167-4	79-01-6	18-06-2010	Carcinogenic (Article 57a)
142	Acrylamide	201-173-7	79-06-1	30-03-2010	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)
143	2,4-dinitrotoluene	204-450-0	121-14-2	13-01-2010	Carcinogenic (Article 57a)
144	Anthracene oil, Anthraceneoil	292-602-7	90640-80-5	13-01-2010	Carcinogenic (Article 57a)
					PBT (Article 57 d)
					vPvB (Article 57 e)
145	Anthracene oil, anthracene paste, Anthraceneoil,anthracenepaste	292-603-2	90640-81-6	13-01-2010	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)
					PBT (Article 57 d)
					vPvB (Article 57 e)
146	Anthracene oil, anthracene paste, anthracene fraction, Anthraceneoil,anthracenepaste ,anthracenefraction	295-275-9	91995-15-2	13-01-2010	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)
					PBT (Article 57 d)
					vPvB (Article 57 e)
147	Anthracene oil, anthracene paste, distn. Lights, Anthraceneoil,anthracenepaste ,distn.lights	295-278-5	91995-17-4	13-01-2010	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)
					PBT (Article 57 d)
					vPvB (Article 57 e)
148	Anthracene oil, anthracene-low, Anthraceneoil,anthracene-low	292-604-8	90640-82-7	13-01-2010	Carcinogenic (Article 57a)
					Mutagenic (Article 57b)
					PBT (Article 57 d)
					vPvB (Article 57 e)
149	Diisobutyl phthalate	201-553-2	84-69-5	13-01-2010	Toxic for reproduction (Article 57c)
150	Lead chromate	231-846-0	7758-97-6	13-01-2010	Carcinogenic (Article 57a)
					Toxic for reproduction (Article 57c)
151	Lead chromate molybdate sulphate red (C.I. Pigment Red 104), Leadchromatemolybdatesulph	235-759-9	12656-85-8	13-01-2010	Carcinogenic (Article 57a)
					Toxic for reproduction (Article 57c)

	atered(C.I.PigmentRed104)				
152	Lead sulfochromate yellow (C.I. Pigment Yellow 34), Leadsulfochromateyellow(C.I. PigmentYellow34)	215-693-7	1344-37-2	13-01-2010	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)
153	Pitch, coal tar, high-temp., Pitch,coaltar,high-temp.	266-028-2	65996-93-2	13-01-2010	Carcinogenic (Article 57a) PBT (Article 57 d) vPvB (Article 57 e)
154	Tris(2-chloroethyl) phosphate	204-118-5	115-96-8	13-01-2010	Toxic for reproduction (Article 57c)
155	4,4'-Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	28-10-2008	Carcinogenic (Article 57a)
156	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	28-10-2008	vPvB (Article 57 e)
157	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	28-10-2008	PBT (Article 57 d) vPvB (Article 57 e)
158	Anthracene	204-371-1	120-12-7	28-10-2008	PBT (Article 57 d)
159	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	28-10-2008	Toxic for reproduction (Article 57c)
160	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	28-10-2008	Equivalent level of concern having probable serious effects to environment (Article 57 f) Toxic for reproduction (Article 57c)
161	Bis(tributyltin) oxide (TBTO)	200-268-0	56-35-9	28-10-2008	PBT (Article 57 d)
162	Cobalt dichloride	231-589-4	7646-79-9	28-10-2008	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)
163	Diarsenic pentaoxide	215-116-9	1303-28-2	28-10-2008	Carcinogenic (Article 57a)
164	Diarsenic trioxide	215-481-4	1327-53-3	28-10-2008	Carcinogenic (Article 57a)
165	Dibutyl phthalate (DBP)	201-557-4	84-74-2	28-10-2008	Toxic for reproduction (Article 57c)
166	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified 1,2,5,6,9,10-hexabromocyclodecane EC no.: 221-695-9   CAS no.: 3194-55-6 gamma-hexabromocyclododecane EC no.: -   CAS no.: 134237-52-8	-	-	28-10-2008	PBT (Article 57 d)

	Hexabromocyclododecane EC no.: 247-148-4   CAS no.: 25637-99-4				
	alpha-hexabromocyclododecane EC no.: -   CAS no.: 134237-50-6				
	beta-hexabromocyclododecane EC no.: -   CAS no.: 134237-51-7				
167	Lead hydrogen arsenate	232-064-2	7784-40-9	28-10-2008	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)
168	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)
169	Triethyl arsenate, Triethylarsenate	427-700-2	15606-95-8	28-10-2008	Carcinogenic (Article 57a)
170	4,4'-isopropylidenediphenol (bisphenol A)	201-245-8	80-05-7	12-01-2017	Endocrine disrupting properties (Article 57(f) – environment)
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3	335-76-2	12-01-2017	Toxic for reproduction (Article 57c) PBT (Article 57 d)
172	4-heptylphenol, branched and linear (4-HPbl)	-	-	12-01-2017	Equivalent level of concern having probable serious effects to environment (Article 57 f)
173	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	12-01-2017	Equivalent level of concern having probable serious effects to environment (Article 57 f)
174	Perfluorohexane-1-sulphonic acid and its salts	-	-	07-07-2017	vPvB (Article 57e)
175	Benz[a]anthracene	200-280-6	56-55-3, 1718-53-2	15-01-2018	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)
176	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)
177	Cadmium hydroxide	244-168-5	244-168-5	15-01-2018	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) – human health)
178	Cadmium nitrate	233-710-6	233-710-6	15-01-2018	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) – human health)



179	Chrysene	205-923-4	205-923-4	15-01-2018	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)
180	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> )	-	-	15-01-2018	vPvB (Article 57e)
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-	15-01-2018	Endocrine disrupting properties (Article 57(f) – environment)
182	Octamethylcyclotetrasiloxane (D4)	209-136-7	556-67-2	27-06-2018	PBT (Article 57d) vPvB (Article 57e)
183	Lead	231-100-4	7439-92-1	27/06/2018	Toxic for reproduction (Article 57c)
184	Ethylenediamine EDA	203-468-6	107-15-3	27/06/2018	Respiratory sensitising properties (Article 57(f) - human health)
185	Dodecamethylcyclohexasiloxane D6	208-762-8	540-97-6	27/06/2018	PBT (Article 57d) vPvB (Article 57e)
186	Disodium octaborate	234-541-0	12008-41-2	27/06/2018	Toxic for reproduction (Article 57c)
187	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)
188	Decamethylcyclopentasiloxane D5	208-764-9	541-02-6	27/06/2018	PBT (Article 57d) vPvB (Article 57e)
189	Benzo[ghi]perylene	205-883-8	191-24-2	27/06/2018	PBT (Article 57d) vPvB (Article 57e)
190	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)
191	Terphenyl, hydrogenated	262-967-7	61788-32-7	27/06/2018	vPvB (Article 57e)
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	15/01/2019	Toxic for reproduction (Article 57c)
193	Benzo[k]fluoranthene	205-916-6	207-08-9	15/01/2019	Carcinogenic (Article 57a)  PBT (Article 57d)  vPvB (Article 57e)
194	Fluoranthene	205-912-4	206-44-0	15/01/2019	PBT (Article 57d)  vPvB (Article 57e)
195	Phenanthrene	201-581-5	85-01-8	15/01/2019	vPvB (Article 57e)
196	Pyrene	204-927-3	129-00-0	15/01/2019	PBT (Article 57d)  vPvB (Article 57e)
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8	15/01/2019	Endocrine disrupting properties (Article 57(f) - environment)
198	2-methoxyethyl acetate	203-772-9	110-49-6	16/07/2019	Toxic for reproduction (Article 57 (c))



199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	16/07/2019	Endocrine disrupting properties (Article 57(f) – environment)
200	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 the environment (Article 57(f) – environment, human health)
201	4-tert-butylphenol	202-679-0	98-54-4	16/07/2019	Endocrine disrupting properties (Article 57(f) – environment)
202	Diisohexyl phthalate	276-090-2	71850-09-4	16/01/2020	Toxic for reproduction (Article 57 (c))
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	16/01/2020	Toxic for reproduction (Article 57 (c))
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	16/01/2020	Toxic for reproduction (Article 57 (c))
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	16/01/2020	Equivalent level of concern having probable serious effects to the environment (Article 57(f) – environment)
206	1-vinylimidazole	214-012-0	1072-63-5	25/06/2020	Toxic for reproduction (Article 57 (c))
207	2-methylimidazole	211-765-7	693-98-1	25/06/2020	Toxic for reproduction (Article 57 (c))
208	Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	22673-19-4	25/06/2020	Toxic for reproduction (Article 57 (c))
209	Butyl 4-hydroxybenzoate (Butylparaben)	202-318-7	94-26-8	25/06/2020	Endocrine disrupting properties - human health (Article 57(f) – human health)
210	Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-7	143-24-8	19/01/2021	Toxic for reproduction (Article 57 (c))
211	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 57 (c))

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