

pSemi certifies that the product listed below is to the best of our knowledge, compliant with the applicable requirements of the European Union Regulation EC 1907/2006 of the European Parliament Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals.

Product: PE25213

List of Substances of Very High Concern

Item	Restricted Substance	EC No	CAS No	MCV Threshold	Effective Date
1	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	1000 ppm (0.1% wt)	10/28/2008
2	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	1000 ppm (0.1% wt)	10/28/2008
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	1000 ppm (0.1% wt)	10/28/2008
4	Anthracene	204-371-1	120-12-7	1000 ppm (0.1% wt)	10/28/2008
5	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	1000 ppm (0.1% wt)	10/28/2008
6	Bis(tributyltin) oxide (TBTO)	200-268-0	56-35-9	1000 ppm (0.1% wt)	10/28/2008
7	Diarsenic pentaoxide	215-116-9	1303-28-2	1000 ppm (0.1% wt)	10/28/2008
8	Diarsenic trioxide	215-481-4	1327-53-3	1000 ppm (0.1% wt)	10/28/2008
9	Dibutyl phthalate (DBP)	201-557-4	84-74-2	1000 ppm (0.1% wt)	10/28/2008
10	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4 221-695-9	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	1000 ppm (0.1% wt)	10/28/2008
11	Lead hydrogen arsenate	232-064-2	7784-40-9	1000 ppm (0.1% wt)	10/28/2008



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12	Sodium dichromate	234-190-3	7789-12-0 10588-01-9	1000 ppm (0.1% wt)	10/28/2008
13	Triethyl arsenate	427-700-2	15606-95-8	1000 ppm (0.1% wt)	10/28/2008
14	2,4-Dinitrotoluene	204-450-0	121-14-2	1000 ppm (0.1% wt)	1/13/2010
15	Anthracene oil	292-602-7	90640-80-5	1000 ppm (0.1% wt)	1/13/2010
16	Anthracene oil, anthracene paste	292-603-2	90640-81-6	1000 ppm (0.1% wt)	1/13/2010
17	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	1000 ppm (0.1% wt)	1/13/2010
18	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	1000 ppm (0.1% wt)	1/13/2010
19	Anthracene oil, anthracene-low	292-604-8	90640-82-7	1000 ppm (0.1% wt)	1/13/2010
20	Diisobutyl phthalate	201-553-2	84-69-5	1000 ppm (0.1% wt)	1/13/2010
21	Lead chromate	231-846-0	7758-97-6	1000 ppm (0.1% wt)	1/13/2010
22	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	1000 ppm (0.1% wt)	1/13/2010
23	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	1000 ppm (0.1% wt)	1/13/2010
24	Pitch, coal tar, high temp.	266-028-2	65996-93-2	1000 ppm (0.1% wt)	1/13/2010
25	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	1000 ppm (0.1% wt)	1/13/2010
26	Acrylamide	201-173-7	79-06-1	1000 ppm (0.1% wt)	3/30/2010
27	Ammonium dichromate	232-143-1	7789-09-5	1000 ppm (0.1% wt)	6/18/2010
28	Boric acid	233-139-2 234-343-4	10043-35-3 11113-50-1	1000 ppm (0.1% wt)	6/18/2010
29	Disodium tetraborate, anhydrous	215-540-4	1303-96-4 1330-43-4 12179-04-3	1000 ppm (0.1% wt)	6/18/2010
30	Potassium chromate	232-140-5	7789-00-6	1000 ppm (0.1% wt)	6/18/2010
31	Potassium dichromate	231-906-6	7778-50-9	1000 ppm (0.1% wt)	6/18/2010
32	Sodium chromate	231-889-5	7775-11-3	1000 ppm (0.1% wt)	6/18/2010
33	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	1000 ppm (0.1% wt)	6/18/2010
34	Trichloroethylene	201-167-4	79-01-6	1000 ppm (0.1% wt)	6/18/2010
35	2-Ethoxyethanol	203-804-1	110-80-5	1000 ppm (0.1% wt)	12/15/2010
36	2-Methoxyethanol	203-713-7	109-86-4	1000 ppm (0.1% wt)	12/15/2010
37	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.	231-801-5 236-881-5	7738-94-5 13530-68-2	1000 ppm (0.1% wt)	12/15/2010



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38	Chromium trioxide	215-607-8	1333-82-0	1000 ppm (0.1% wt)	12/15/2010
39	Cobalt(II) carbonate	208-169-4	513-79-1	1000 ppm (0.1% wt)	12/15/2010
40	Cobalt(II) diacetate	200-755-8	71-48-7	1000 ppm (0.1% wt)	12/15/2010
41	Cobalt(II) dinitrate	233-402-1	10141-05-6	1000 ppm (0.1% wt)	12/15/2010
42	Cobalt(II) sulphate	233-334-2	10124-43-3	1000 ppm (0.1% wt)	12/15/2010
43	1,2,3-trichloropropane	202-486-1	96-18-4	1000 ppm (0.1% wt)	6/20/2011
44	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	1000 ppm (0.1% wt)	6/20/2011
45	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	1000 ppm (0.1% wt)	6/20/2011
46	1-Methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	1000 ppm (0.1% wt)	6/20/2011
47	2-Ethoxyethyl acetate	203-839-2	111-15-9	1000 ppm (0.1% wt)	6/20/2011
48	Hydrazine	206-114-9	302-01-2 7803-57-8	1000 ppm (0.1% wt)	6/20/2011
49	Strontium chromate	232-142-6	7789-06-2	1000 ppm (0.1% wt)	6/20/2011
50	Cobalt dichloride	231-589-4	7646-79-9	1000 ppm (0.1% wt)	6/20/2011
51	1,2-Dichloroethane	203-458-1	107-06-2	1000 ppm (0.1% wt)	12/19/2011
52	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	1000 ppm (0.1% wt)	12/19/2011
53	2-Methoxyaniline,o-Anisidine	201-963-1	90-04-0	1000 ppm (0.1% wt)	12/19/2011
54	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	1000 ppm (0.1% wt)	12/19/2011
55	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	1000 ppm (0.1% wt)	12/19/2011



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56	Arsenic acid	231-901-9	7778-39-4	1000 ppm (0.1% wt)	12/19/2011
57	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	1000 ppm (0.1% wt)	12/19/2011
58	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	1000 ppm (0.1% wt)	12/19/2011
59	Calcium arsenate	231-904-5	7778-44-1	1000 ppm (0.1% wt)	12/19/2011
60	Dichromium tris(chromate)	246-356-2	24613-89-6	1000 ppm (0.1% wt)	12/19/2011
61	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	1000 ppm (0.1% wt)	12/19/2011
62	Lead diazide, Lead azide	236-542-1	13424-46-9	1000 ppm (0.1% wt)	12/19/2011
63	Lead dipicrate	229-335-2	6477-64-1	1000 ppm (0.1% wt)	12/19/2011
64	Lead styphnate	239-290-0	15245-44-0	1000 ppm (0.1% wt)	12/19/2011
65	N,N-dimethylacetamide	204-826-4	127-19-5	1000 ppm (0.1% wt)	12/19/2011
66	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	1000 ppm (0.1% wt)	12/19/2011
67	Phenolphthalein	201-004-7	77-09-8	1000 ppm (0.1% wt)	12/19/2011
68	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	1000 ppm (0.1% wt)	12/19/2011
69	Trilead diarsenate	222-979-5	3687-31-8	1000 ppm (0.1% wt)	12/19/2011
70	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	1000 ppm (0.1% wt)	12/19/2011
71	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	203-977-3	112-49-2	1000 ppm (0.1% wt)	6/18/2012
72	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	1000 ppm (0.1% wt)	6/18/2012



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73	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	1000 ppm (0.1% wt)	6/18/2012
74	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	1000 ppm (0.1% wt)	6/18/2012
75	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	209-218-2	561-41-1	1000 ppm (0.1% wt)	6/18/2012
76	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	1000 ppm (0.1% wt)	6/18/2012
77	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	208-953-6	548-62-9	1000 ppm (0.1% wt)	6/18/2012
78	[4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	219-943-6	2580-56-5	1000 ppm (0.1% wt)	6/18/2012
79	Diboron trioxide	215-125-8	1303-86-2	1000 ppm (0.1% wt)	6/18/2012
80	Formamide	200-842-0	75-12-7	1000 ppm (0.1% wt)	6/18/2012
81	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	1000 ppm (0.1% wt)	6/18/2012
82	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	1000 ppm (0.1% wt)	6/18/2012
83	α,α -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq$ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	229-851-8	6786-83-0	1000 ppm (0.1% wt)	6/18/2012
84	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	1000 ppm (0.1% wt)	12/19/2012
85	1,2-Diethoxyethane	211-076-1	629-14-1	1000 ppm (0.1% wt)	12/19/2012
86	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	1000 ppm (0.1% wt)	12/19/2012
87	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	1000 ppm (0.1% wt)	12/19/2012



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88	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	1000 ppm (0.1% wt)	12/19/2012
89	4,4'-oxydianiline and its salts	202-977-0	101-80-4	1000 ppm (0.1% wt)	12/19/2012
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	1000 ppm (0.1% wt)	12/19/2012
91	4-Aminoazobenzene	200-453-6	60-09-3	1000 ppm (0.1% wt)	12/19/2012
92	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	1000 ppm (0.1% wt)	12/19/2012
93	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	-	1000 ppm (0.1% wt)	12/19/2012
94	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	1000 ppm (0.1% wt)	12/19/2012
95	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	1000 ppm (0.1% wt)	12/19/2012
96	Acetic acid, lead salt, basic	257-175-3	51404-69-4	1000 ppm (0.1% wt)	12/19/2012
97	Biphenyl-4-ylamine	202-177-1	92-67-1	1000 ppm (0.1% wt)	12/19/2012
98	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	214-604-9	1163-19-5	1000 ppm (0.1% wt)	12/19/2012
99	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	201-604-9 236-086-3 238-009-9	85-42-7 13149-00-3 14166-21-3	1000 ppm (0.1% wt)	12/19/2012
100	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	1000 ppm (0.1% wt)	12/19/2012
101	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	1000 ppm (0.1% wt)	12/19/2012
102	Diethyl sulphate	200-589-6	64-67-5	1000 ppm (0.1% wt)	12/19/2012
103	Diisopentylphthalate	210-088-4	605-50-5	1000 ppm (0.1% wt)	12/19/2012
104	Dimethyl sulphate	201-058-1	77-78-1	1000 ppm (0.1% wt)	12/19/2012
105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	1000 ppm (0.1% wt)	12/19/2012
106	Dioxobis(stearato)trilead	235-702-8	12578-12-0	1000 ppm (0.1% wt)	12/19/2012
107	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	1000 ppm (0.1% wt)	12/19/2012



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108	Furan	203-727-3	110-00-9	1000 ppm (0.1% wt)	12/19/2012
109	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	1000 ppm (0.1% wt)	12/19/2012
110	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	1000 ppm (0.1% wt)	12/19/2012
111	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	247-094-1 243-072-0 256-356-4 260-566-1	25550-51-0 19438-60-9 48122-14-1 57110-29-9	1000 ppm (0.1% wt)	12/19/2012
112	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	1000 ppm (0.1% wt)	12/19/2012
113	Lead cyanamidate	244-073-9	20837-86-9	1000 ppm (0.1% wt)	12/19/2012
114	Lead dinitrate	233-245-9	10099-74-8	1000 ppm (0.1% wt)	12/19/2012
115	Lead monoxide (lead oxide)	215-267-0	1317-36-8	1000 ppm (0.1% wt)	12/19/2012
116	Lead oxide sulfate	234-853-7	12036-76-9	1000 ppm (0.1% wt)	12/19/2012
117	Lead titanium trioxide	235-038-9	12060-00-3	1000 ppm (0.1% wt)	12/19/2012
118	Lead titanium zirconium oxide	235-727-4	12626-81-2	1000 ppm (0.1% wt)	12/19/2012
119	Methoxyacetic acid	210-894-6	625-45-6	1000 ppm (0.1% wt)	12/19/2012
120	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	1000 ppm (0.1% wt)	12/19/2012
121	N,N-dimethylformamide	200-679-5	68-12-2	1000 ppm (0.1% wt)	12/19/2012
122	N-methylacetamide	201-182-6	79-16-3	1000 ppm (0.1% wt)	12/19/2012
123	N-pentyl-isopentylphthalate		776297-69-9	1000 ppm (0.1% wt)	12/19/2012
124	o-aminoazotoluene	202-591-2	97-56-3	1000 ppm (0.1% wt)	12/19/2012
125	o-Toluidine	202-429-0	95-53-4	1000 ppm (0.1% wt)	12/19/2012
126	Orange lead (lead tetroxide)	215-235-6	1314-41-6	1000 ppm (0.1% wt)	12/19/2012
127	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	1000 ppm (0.1% wt)	12/19/2012
128	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	1000 ppm (0.1% wt)	12/19/2012
129	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	1000 ppm (0.1% wt)	12/19/2012
130	Silicic acid (H ₂ SiO ₅), 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	272-271-5	68784-75-8	1000 ppm (0.1% wt)	12/19/2012



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	number 082-001-00-6 in Regulation (EC) No 1272/2008]				
131	Silicic acid, lead salt	234-363-3	11120-22-2	1000 ppm (0.1% wt)	12/19/2012
132	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	1000 ppm (0.1% wt)	12/19/2012
133	Tetraethyllead	201-075-4	78-00-2	1000 ppm (0.1% wt)	12/19/2012
134	Tetralead trioxide sulphate	235-380-9	12202-17-4	1000 ppm (0.1% wt)	12/19/2012
135	Tricosafuorododecanoic acid	206-203-2	307-55-1	1000 ppm (0.1% wt)	12/19/2012
136	Trilead bis(carbonate) dihydroxide	215-290-6	1319-46-6	1000 ppm (0.1% wt)	12/19/2012
137	Trilead dioxide phosphonate	235-252-2	12141-20-7	1000 ppm (0.1% wt)	12/19/2012
138	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	-	1000 ppm (0.1% wt)	6/20/2013
139	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	1000 ppm (0.1% wt)	6/20/2013
140	Cadmium	231-152-8	7440-43-9	1000 ppm (0.1% wt)	6/20/2013
141	Cadmium oxide	215-146-2	1306-19-0	1000 ppm (0.1% wt)	6/20/2013
142	Dipentyl phthalate (DPP)	205-017-9	131-18-0	1000 ppm (0.1% wt)	6/20/2013
143	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	1000 ppm (0.1% wt)	6/20/2013
144	Cadmium sulphide	215-147-8	1306-23-6	1000 ppm (0.1% wt)	12/16/2013
145	Diethyl phthalate	201-559-5	84-75-3	1000 ppm (0.1% wt)	12/16/2013
146	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	1000 ppm (0.1% wt)	12/16/2013
147	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	1000 ppm (0.1% wt)	12/16/2013
148	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	1000 ppm (0.1% wt)	12/16/2013
149	Lead di(acetate)	206-104-4	301-04-2	1000 ppm (0.1% wt)	12/16/2013
150	Triethyl phosphate	246-677-8	25155-23-1	1000 ppm (0.1% wt)	12/16/2013



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151	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	271-093-5	68515-50-4	1000 ppm (0.1% wt)	6/16/2014
152	Cadmium chloride	233-296-7	10108-64-2	1000 ppm (0.1% wt)	6/16/2014
153	Sodium perborate, perboric acid, sodium salt	239-172-9 234-390-0	-	1000 ppm (0.1% wt)	6/16/2014
154	Sodium peroxometaborate	231-556-4	7632-04-4	1000 ppm (0.1% wt)	6/16/2014
155	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	1000 ppm (0.1% wt)	12/17/2014
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	1000 ppm (0.1% wt)	12/17/2014
157	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	1000 ppm (0.1% wt)	12/17/2014
158	Cadmium fluoride	232-222-0	7790-79-6	1000 ppm (0.1% wt)	12/17/2014
159	Cadmium sulphate	233-331-6	10124-36-4 31119-53-6	1000 ppm (0.1% wt)	12/17/2014
160	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)	-	-	1000 ppm (0.1% wt)	12/17/2014
161	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	1000 ppm (0.1% wt)	12/17/2014
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	271-094-0 272-013-1	68515-51-5 68648-93-1	1000 ppm (0.1% wt)	6/15/2015
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] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	-	1000 ppm (0.1% wt)	6/15/2015
164	1,3-propanesultone	214-317-9	1120-71-4	1000 ppm (0.1% wt)	12/17/2015
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	1000 ppm (0.1% wt)	12/17/2015
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	1000 ppm (0.1% wt)	12/17/2015



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167	Nitrobenzene	202-716-0	98-95-3	1000 ppm (0.1% wt)	12/17/2015
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1, 21049-39-8, 4149-60-4	1000 ppm (0.1% wt)	12/17/2015
169	Benzo[def]chrysene (Benzo[a]pyrene)	200-028-5	50-32-8	1000 ppm (0.1% wt)	6/20/2016
170	4,4'-isopropylidenediphenol	201-245-8	80-05-7	1000 ppm (0.1% wt)	1/12/2017
171	4-Heptylphenol, branched and linear	-	-	1000 ppm (0.1% wt)	1/12/2017
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts - Nonadecafluorodecanoic acid, Ammonium nondecafluorodecanoate, Decanoic acid, nonadecafluoro-, sodium salt	206-400-3 221-470-5 -	335-76-2 3108-42-7 3830-45-3	1000 ppm (0.1% wt)	1/12/2017
173	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	1000 ppm (0.1% wt)	1/12/2017
174	Perfluorohexane-1-sulphonic acid and its salts	-	-	1000 ppm (0.1% wt)	7/7/2017
175	Benz[a]anthracene	200-280-6	56-55-3, 1718-53-2	1000 ppm (0.1% wt)	1/15/2018
176	Cadmium carbonate	208-168-9	513-78-0	1000 ppm (0.1% wt)	1/15/2018
177	Cadmium hydroxide	244-168-5	21041-95-2	1000 ppm (0.1% wt)	1/15/2018
178	Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7	1000 ppm (0.1% wt)	1/15/2018
179	Chrysene	205-923-4	218-01-9, 1719-03-5	1000 ppm (0.1% wt)	1/15/2018
180	Dodecachloropentacyclo[12.2.1.16, 9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	1000 ppm (0.1% wt)	1/15/2018
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	-	-	1000 ppm (0.1% wt)	1/15/2018
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA	209-008-0	552-30-7	1000 ppm (0.1% wt)	6/27/2018
183	Benzo[ghi]perylene	205-883-8	191-24-2	1000 ppm (0.1% wt)	6/27/2018
184	Decamethylcyclopentasiloxane	208-764-9	541-02-6	1000 ppm (0.1% wt)	6/27/2018
185	Dicyclohexyl phthalate DCHP	201-545-9	84-61-7	1000 ppm (0.1% wt)	6/27/2018



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186	Disodium octaborate	234-541-0	12008-41-2	1000 ppm (0.1% wt)	6/27/2018
187	Dodecamethylcyclotetrasiloxane	208-762-8	540-97-6	1000 ppm (0.1% wt)	6/27/2018
188	Ethylenediamine EDA	203-468-6	107-15-3	1000 ppm (0.1% wt)	6/27/2018
189	Lead	231-100-4	7439-92-1	1000 ppm (0.1% wt)	6/27/2018
190	Octamethylcyclotetrasiloxane	209-136-7	556-67-2	1000 ppm (0.1% wt)	6/27/2018
191	Terphenyl, hydrogenated	262-967-7	61788-32-7	1000 ppm (0.1% wt)	6/27/2018
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8	1000 ppm (0.1% wt)	1/15/2019
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	1000 ppm (0.1% wt)	1/15/2019
194	Benzo[k]fluoranthene	205-916-6	207-08-9	1000 ppm (0.1% wt)	1/15/2019
195	Fluoranthene	205-912-4	206-44-0,	1000 ppm (0.1% wt)	1/15/2019
196	Phenanthrene	201-581-5	206-44-0,	1000 ppm (0.1% wt)	1/15/2019
197	Pyrene	204-927-3	129-00-0, 1718-52-1	1000 ppm (0.1% wt)	1/15/2019
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq$ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	1000 ppm (0.1% wt)	7/16/2019
199	4-tert-butylphenol	202-679-0	98-54-4	1000 ppm (0.1% wt)	7/16/2019
200	2-methoxyethyl acetate	203-772-9	110-49-6	1000 ppm (0.1% wt)	7/16/2019
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	-	1000 ppm (0.1% wt)	7/16/2019
202	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	1000 ppm (0.1% wt)	1/16/2020
203	Diisohexyl phthalate	276-090-2	71850-09-4	1000 ppm (0.1% wt)	1/16/2020
204	2-methyl-1-(4-methylphenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	1000 ppm (0.1% wt)	1/16/2020
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	1000 ppm (0.1% wt)	1/16/2020
206	1-vinylimidazole	214-012-0	1072-63-5	1000 ppm (0.1% wt)	6/26/2020
207	2-methylimidazole	211-765-7	693-98-1	1000 ppm (0.1% wt)	6/26/2020
208	Butyl 4-hydroxybenzoate	202-318-7	94-26-8	1000 ppm (0.1% wt)	6/26/2020
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	22673-19-4	1000 ppm (0.1% wt)	6/26/2020
210	Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-7	143-24-8	1000 ppm (0.1% wt)	1/19/2021
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs.,	-	-	1000 ppm (0.1% wt)	1/19/2021



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	and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety				
212	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	1000 ppm (0.1% wt)	7/8/2021
213	Orthoboric acid, sodium salt	237-560-2	13840-56-7	1000 ppm (0.1% wt)	7/8/2021
214	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)	221-967-7, 253-057-0, 202-480-9	3296-90-0, 36483-57-5, 1522-92-5, 96-13-9	1000 ppm (0.1% wt)	7/8/2021
215	Glutaral	203-856-5	111-30-8	1000 ppm (0.1% wt)	7/8/2021
216	Medium chain chlorinated paraffins (MCCP) (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17)	-	-	1000 ppm (0.1% wt)	7/8/2021
217	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	1000 ppm (0.1% wt)	7/8/2021
218	1,4-dioxane	204-661-8	123-91-1	1000 ppm (0.1% wt)	7/8/2021
219	4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	1000 ppm (0.1% wt)	7/8/2021
220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	204-327-1	119-47-1	1000 ppm (0.1% wt)	1/17/2022
221	tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4	1000 ppm (0.1% wt)	1/17/2022
222	(±)-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)	-	-	1000 ppm (0.1% wt)	1/17/2022
223	S-(tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	401-850-9	255881-94-8	1000 ppm (0.1% wt)	1/17/2022



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224	N-(hydroxymethyl)acrylamide	213-103-2	924-42-5	1000 ppm (0.1% wt)	6/10/2022
225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	1000 ppm (0.1% wt)	1/17/2023
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	79-94-7	1000 ppm (0.1% wt)	1/17/2023
227	4,4'-sulphonyldiphenol	201-250-5	80-90-1	1000 ppm (0.1% wt)	1/17/2023
228	Barium diboron tetraoxide	237-222-4	13701-59-2	1000 ppm (0.1% wt)	1/17/2023
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	1000 ppm (0.1% wt)	1/17/2023
230	Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3	1000 ppm (0.1% wt)	1/17/2023
231	Melamine	203-615-4	108-78-1	1000 ppm (0.1% wt)	1/17/2023
232	Perfluoroheptanoic acid and its salts	-	-	1000 ppm (0.1% wt)	1/17/2023
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	-	1000 ppm (0.1% wt)	1/17/2023
234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	278-355-8	75980-60-8	1000 ppm (0.1% wt)	6/14/2023
235	Bis(4-chlorophenyl) sulphone	201-247-9	80-07-9	1000 ppm (0.1% wt)	6/14/2023
236	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	700-960-7	-	1000 ppm (0.1% wt)	1/23/24
237	Bumetizole (UV-326)	223-445-4	3896-11-5	1000 ppm (0.1% wt)	1/23/24
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	438-340-0	119344-86-4	1000 ppm (0.1% wt)	1/23/24
239	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	221-573-5	3147-75-9	1000 ppm (0.1% wt)	1/23/24
240	2,4,6-tri-tert-butylphenol	211-989-5	732-26-3	1000 ppm (0.1% wt)	1/23/24
241	Bis(α,α-dimethylbenzyl) peroxide	201-279-3	80-43-3	1000 ppm (0.1% wt)	6/27/24
242	Triphenyl Phosphate	204-112-2	115-86-6	1000 ppm (0.1% wt)	11/7/24
243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	701-118-1	2156592-54-8	1000 ppm (0.1% wt)	1/21/25
244	O,O,O-triphenyl phosphorothioate	209-909-9	597-82-0	1000 ppm (0.1% wt)	1/21/25
245	Octamethyltrisiloxane	203-497-4	107-51-7	1000 ppm (0.1% wt)	1/21/25
246	Perfluamine	206-420-2	338-83-0	1000 ppm (0.1% wt)	1/21/25

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247	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	421-820-9	192268-65-8	1000 ppm (0.1% wt)	1/21/25

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