

REACH Statement

The European Union's REACH Directive (EC 1907/2006) is designed to regulate the Registration, Evaluation, Authorisation and Restriction of Chemical Substances. REACH legislation was finalised in December 2006 and has been in effect since June 2007.

In an effort to address the requirements of the REACH regulation and ensure a reliable ongoing supply of Carclo Fresnels parts, Carclo Fresnels has contacted suppliers to confirm all necessary registrations, authorisations and restrictions of in-scope substances in formulations, preparations, materials or articles to be completed by the REACH deadlines. In addition, suppliers have been requested to assess the potential presence of Substances of Very High Concern (SVHC), as well as substances listed on REACH Annex XIV Authorisation List and REACH Annex XVII restricted substances. The 247 SVHC substances, substances present on Annex XIV Authorisation List, or Annex XVII restricted substances, are not intentionally added or used in the manufacture of Carclo Fresnels products as of 21st January 2025,

As Carclo Fresnels does not intentionally add SVHC, or substances listed as restricted or requiring authorisation, and based on the "Article" criteria in the REACH regulation, all articles manufactured by Carclo Fresnels are interpreted to be exempt from substance regulation and therefore compliant with the REACH regulation.

https://environment.ec.europa.eu/topics/chemicals/reach-regulation_en

For and on behalf of **Carclo Fresnels Limited**

Hollie Evans • Quality Manager Signature: Revised: 27st January 2025







REACH Certificate of Compliance

Carclo Fresnels fully supports and hereby certifies complete conformance to the requirements of REACH's 241 SVHC (Substances of Very High Concern), the European Community Regulation standard about chemicals and their safe use (EC 1907/2006), which is a new law entered into force on 07th July 2007 that was phased in until 2018.

Carclo Fresnels is committed to providing safe products, consistent with the improvement and protection of human health and the environment, through the better and earlier identification of the intrinsic properties of chemical substances.

Carclo Fresnels currently conforms up to 27th June 2024, Amendment F1, and will continue to conform to the requirements of REACH as new amendments are released: Specifically, the below listed chemical substances are not present in our products for quantities totalling over one tonne per producer a year and are not present above a concentration of 0.1% by weight.

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
1	Anthracene	120-12-7			28 Oct 2008
2	4,4'-Diaminodiphenylmethane (MDA)	101-77-9			28 Oct 2008
3	Benzyl butyl phthalate (BBP)	85-68-7			28 Oct 2008
4	Bis(2-ethylhexyl)pphthalate (DEHP)	117-81-7			28 Oct 2008
5	Dibutyl phthalate (DBP)	84-74-2	•		28 Oct 2008
6	Cobalt dichloride	7646-79-9			28 Oct 2008
7	Sodium dichromate	7789-12-0; 10588-01-9	•		28 Oct 2008
8	Lead hydrogen arsenate	7784-40-9	•		28 Oct 2008
9	Diarsenic pentaoxide	1303-28-2	•		28 Oct 2008
10	Triethyl arsenate	15606-95-8			28 Oct 2008
11	Diarsenic trioxide	1327-53-3	•		28 Oct 2008
12	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	•		28 Oct 2008
13	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: gamma-hexabromocyclododecane; beta-hexabromocyclododecane; 1,2,5,6,9,10-hexabromocyclododecane; Hexabromocyclododecane; alpha-hexabromocyclododecane	134237-52-8; 134237-51-7; 3194-55-6; 25637-99-4; 134237-50-6;	•		28 Oct 2008
14	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	•		28 Oct 2008
15	Bis(tributyltin)oxide (TBTO)	56-35-9	•		28 Oct 2008

Carclo Fresnels defines "REACH Compliant" to mean that banned substances are not intentionally added during the manufacturing process and have upper concentrations within REACH acceptable limits.

This status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the materials that goes into its products as of the date of 1st June 2007 disclosure of REACH compliance.



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Amendment A

In a press release dated 7th December 2009, the European Chemicals Agency (ECHA) announced 12 new substances identified as potential Substances of Very High Concern (SVHC). As of 13th January 2010, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
16	Anthracene Oil	90640-80-5			13 Jan 2010
17	Anthracene Oil, Anthracene Paste Distn. Lights	91995-17-4			13 Jan 2010
18	Anthracene oil, Athracene paste, Anthracene fraction	91995-15-2			13 Jan 2010
19	Anthracene oil, anthracene-low	90640-82-7			13 Jan 2010
20	Anthracene oil, Anthracene paste	90640-81-6			13 Jan 2010
21	Diisobutyl phthalate	84-69-5			13 Jan 2010
22	Lead chromate	7758-97-6			13 Jan 2010
23	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	•		13 Jan 2010
24	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	•		13 Jan 2010
25	Tris(2-chloroethyl)phosphate	115-96-8			13 Jan 2010
26	Pitch, Coal Tar, high temperature	65996-93-2			13 Jan 2010
27	2,4-Dinitrotoluene	121-14-2			13 Jan 2010

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 12 new substances that go into its products as of the date of 13th January 2010 disclosure of REACH compliance.

Amendment B

In a press release dated 30th March 2010, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 30th March 2010 this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
28	Acrylamide	79-06-1			30 Mar 2010

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 1 new substance that go into its products as of the date of 30th March 2010 disclosure of REACH compliance.

Amendment C

In a press release dated 18th June 2010, the European Chemicals Agency (ECHA) announced 8 new substances identified as potential Substances of Very High Concern (SVHC). As of 18th June 2010, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
29	Ammonium dichromate	7789-09-5			18 Jun 2010
	Boric acid:	-			
30	Boric acid, crude natural;	11113-50-1;	•		18 Jun 2010
	Boric acid	10043-35-3			
31	Disodium tetraborate, anhydrous	1303-96-4;			18 Jun 2010
31		1330-43-4;	-		16 Juli 2010







		12179-04-3		
32	Potassium chromate	7789-00-6		18 Jun 2010
33	Potassium dichromate	7778-50-9		18 Jun 2010
34	Sodium chromate	7775-11-3		18 Jun 2010
35	Tetraboron disodium heptaoxide, hydrate	12267-73-1		18 Jun 2010
36	Trichloroethylene	79-01-6		18 Jun 2010

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 8 new substances that go into its products as of the date of 18th June 2010 disclosure of REACH compliance.

Amendment D

In a press release dated 15th December 2010, the European Chemicals Agency (ECHA) announced 8 new substances identified as potential Substances of Very High Concern (SVHC). As of 15th December 2010, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
37	2-Ethoxyethanol	110-80-5			15 Dec 2010
38	2-Methoxyethanol	109-86-4			15 Dec 2010
39	Acids generated from chromium trioxide and their oligomers: Chromic acid;	- 7738-94-5;	•		15 Dec 2010
	Oligomers of chromic and dichromic acid; Dichromic acid	- 13530-68-2			
40	Chromium trioxide	1333-82-0			15 Dec 2010
41	Cobalt(II) carbonate	513-79-1			15 Dec 2010
42	Cobalt(II) diacetate	71-48-7			15 Dec 2010
43	Cobalt(II) dinitrate	10141-05-6			15 Dec 2010
44	Cobalt(II) sulphate	10124-43-3			15 Dec 2010

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 8 new substances that go into its products as of the date of 15th December 2010 disclosure of REACH compliance.

Amendment E

In a press release dated 20th June 2011, the European Chemicals Agency (ECHA) announced 7 new substances identified as potential Substances of Very High Concern (SVHC). As of 20th June 2011, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
45	2-Ethoxyethyl acetate	111-15-9	•		20 Jun 2011
46	Strontium chromate	7789-06-2			20 Jun 2011
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	•		20 Jun 2011
48	Hydrazine	302-01-2; 7803-57-8	•		20 Jun 2011
49	1-Methyl-2-pyrrolidone (NMP)	872-50-4	•		20 Jun 2011
50	1,2,3-Trichloropropane	96-18-4			20 Jun 2011



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51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	•		20 Jun 2011
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This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 7 new substances that go into its products as of the date of 20th June 2011 disclosure of REACH compliance.

Amendment F

In December 2011, the European Chemicals Agency (ECHA) announced 20 new substances identified as potential Substances of Very High Concern (SVHC). As of 19th December 2011, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
52	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	•		19 Dec 2011
53	Pentazinc chromate octahydroxide	49663-84-5			19 Dec 2011
54	Aluminosilicate Refractory Ceramic Fibers are fibers 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, labeling and packaging of substances and mixtures, and fulfill the three following conditions: a) oxides of aluminum and silicon are the main components present (in the fibers) within variable concentration ranges b) fibers have length weighted geometric errors of 6 or less micrometers (µm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight (RCF):	- 142844-00-6	•		19 Dec 2011
55	Zirconia Aluminosilicate Refractory Ceramic Fibers 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 (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight:	142844-00-6	•		19 Dec 2011
56	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	•		19 Dec 2011
57	Bis(2-methoxyethyl) phthalate	117-82-8	■		19 Dec 2011
58	2-Methoxyaniline; o-Anisidine	90-04-0	- -		19 Dec 2011
59	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	_		19 Dec 2011
60	1,2-Dichloroethane	107-06-2	- -		19 Dec 2011
61	Bis(2-methoxyethyl) ether	111-96-6	- -		19 Dec 2011
62	Arsenic acid	7778-39-4	<u> </u>		19 Dec 2011
63	Calcium arsenate	7778-44-1	- -		19 Dec 2011
64	Trilead diarsenate	3687-31-8	<u> </u>		19 Dec 2011
65	N,N-dimethylacetamide	127-19-5	-		19 Dec 2011
66	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	<u> </u>		19 Dec 2011
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68	Phenolphthalein	77-09-8		19 Dec 2011
69	Lead diazide, Lead azide	13424-46-9		19 Dec 2011
70	Lead styphnate	15245-44-0	•	19 Dec 2011
71	Lead dipicrate	6477-64-1		19 Dec 2011

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 20 new substances that go into its products as of the date of 19th December 2011 disclosure of REACH compliance.

Amendment G

In June 2012, the European Chemicals Agency (ECHA) announced 13 new substances identified as potential Substances of Very High Concern (SVHC). As of 18th June 2012, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
NO.		CAS NO.	Not Used	usea	Date of inclusion
72	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)	6786-83-0	•		18 Jun 2012
73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	•		18 Jun 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)	59653-74-6	•		18 Jun 2012
75	Diboron trioxide	1303-86-2	•		18 Jun 2012
76	1,2-bis(dimethoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	•		18 Jun 2012
77	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)	561-41-1	•		18 Jun 2012
78	Lead(II) bis(methanesulfonate)	17570-76-2	•		18 Jun 2012
79	Formamide	75-12-7			18 Jun 2012
80	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa- 2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) with ≥ 0.1% of Michler's ketone (EC No. 202-027- 5) or Michler's base (EC No. 202-959-2)	548-62-9	•		18 Jun 2012
81	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	-		18 Jun 2012
82	[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)	2580-56-5	•		18 Jun 2012
83	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	•		18 Jun 2012
84	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8			18 Jun 2012

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 13 new substances that go into its products as of the date of 18th June 2012 disclosure of REACH compliance.

Amendment H







In December 2012, the European Chemicals Agency (ECHA) announced 54 new substances identified as potential Substances of Very High Concern (SVHC). As of 19th December 2012, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
85	4-aminoazobenzene	60-09-3			19 Dec 2012
86	Pyrochlore, antimony lead yellow	8012-00-8			19 Dec 2012
87	6-methoxy-m-toluidine (p-cresidine)	120-71-8			19 Dec 2012
88	Henicosafluoroundecanoic acid	2058-94-8			19 Dec 2012
	Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers:	-			
89	Hexahydro-1-methylphthalic anhydride;	48122-14-1;	-		19 Dec 2012
	Hexahydro-3-methylphthalic anhydride;	57110-29-9;			
	Hexahydromethylphthalic anhydride;	25550-51-0;			
	Hexahydro-4-methylphthalic anhydride	19438-60-9			
	Cyclohexane-1,2-dicarboxylic anhydride	-			
	all possible combinations of the cis- and trans-isomers:				
90	cis-cyclohexane-1,2-dicarboxylic anhydride;	13149-00-3;	-		19 Dec 2012
	trans-cyclohexane-1,2-dicarboxylic anhydride;	14166-21-3;			
	Cyclohexane-1,2-dicarboxylic anhydride	85-42-7			
91	Dibutyltin dichloride (DBTC)	683-18-1			19 Dec 2012
92	Lead bis(tetrafluoroborate)	13814-96-5			19 Dec 2012
93	Lead dinitrate	10099-74-8			19 Dec 2012
94	Silicic acid, lead salt	11120-22-2			19 Dec 2012
95	Lead titanium zirconium oxide	12626-81-2			19 Dec 2012
96	Lead monoxide (lead oxide)	1317-36-8			19 Dec 2012
97	o-Toluidine	95-53-4			19 Dec 2012
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolid ine	143860-04-2			19 Dec 2012
99	Silicic acid (H2Si2O5), 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 082-001-006 in regulation (EC) No 1272/2008]	68784-75-8	•		19 Dec 2012
100	Trilead bis(carbonate)dihydroxide	1319-46-6			19 Dec 2012
101	Furan	110-00-9			19 Dec 2012
102	N,N-dimethylformamide	68-12-2			19 Dec 2012
	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated covering well-defined substances and UVCB substances, polymers and homologues:	-			
103	2-{2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethoxy}ethanol;	2315-61-9	•		19 Dec 2012
	20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol;	2497-59-8			
	2-[[]4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethanol;	9002-93-1			



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4-Nonylpheno stranched and linear substances with a linear and/or branched alky chain with a carbon number of 9 covalenty bound in position 4 to pheno , covering also UVCB- and well-defined substances with include any of the individual isomers or a combination thereof:		2 ffl 4/2 4 4 trime the least to 2 all the control of all	2245 67 5		1	_
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 witch include any of the individual isomers or a combination thereof: p-nonylphenol;		2-[[]4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethan-1-ol	2315-67-5			
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 somers or a combination thereof: p-nonylphenol; p-(1-methyloctyl)phenol; p-isononylphenol; p-isononylphenol; p-isononylphenol; 4-(1-Ethyl-1,4-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 4-(1-ethyl-1-methylpentyl)Phenol; p-(1,1-dimethylpentyl)Phenol; p-(1,1-dime			-			
phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof; p-nonylphenol; p-(1-methyloctyl)phenol; p-(1-methyloctyl)phenol; d-(1-Ethyl-1,4-Dimethylpentyl)Phenol; d-(1-Ethyl-1,3-Dimethylpentyl)Phenol; d-(1-Ethyl-1,3-Dimethylpentyl)Phenol; d-(1-Ethyl-1,3-Dimethylpentyl)Phenol; p-(1,1-dimethylheptyl)Phenol; p-(1,1-dimethylheptyl)P		•				
which include any of the individual isomers or a combination thereof: p-nonylphenol; p-iononylphenol; p-isononylphenol; p-isononylphenol; d-(1-Ethyl-1,4-Dimethylpentyl)Phenol; d-(1-Ethyl-1,3-Dimethylpentyl)Phenol; d-(1-Ethyl-1,3-Dimethylpentyl)Phenol; d-(1-ethyl-1-methylheptyl)Phenol; p-(1,1-dimethylheptyl)phenol; p-(1,1-firmethylheptyl)phenol; p-(1,1-dimethylheptyl)phenol; p-(1,1-dimethylheptyl)phenol						
combination thereof: p-nonylphenol; p-(1-methyloctyl)phenol; p-(1-methyloctyl)phenol; p-isononylphenol; d-(1-Ethyl-1,4-Dimethylpentyl)Phenol; d-(1-Ethyl-1,3-Dimethylpentyl)Phenol; d-(1-Ethyl-1,3-Dimethylpentyl)Phenol; d-(1-ethyl-1-methylhexyl)phenol; p-(1,1-dimethylhexyl)phenol; p-(1,1-dimethylhexyl)pheno						
p-nonylphenol; p-(1-methyloctyl)phenol; p-(1-methyloctyl)phenol; p-isononylphenol; p-isononylphenol; 4-(1-Ethyl-1,4-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,4-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 5-2427-13-1; p-(1,1-dimethylheptyl)phenol; 5-2427-13-1; p-(1,1-dimethylheptyl)phenol; 30784-30-6; Phenol, 4-nonyl-, branched; 4-(3-ethylheptan-2-yl)phenol; 186825-39-8; Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 4-(1,1,5-Trimethylhexyl)phenol; 105 Diethyl sulphate 106 Diethyl sulphate 107 Dimethyl sulphate 108 Diethyl sulphate 109 Diethyl sulphate 109 Diethyl sulphate 109 Lead titanium trioxide 110 Lead dide sulfate 110 Acetic acid, lead salt, basic 111 Phethalato(2-)dioxotrilead 112 Phethalato(2-)dioxotrilead 113 N-methylacetamide 114 Dinoseb (6-sec-butyl-2,4-dintrophenol) 115 1,2-Diethoxyethane 116 Tetralead trioxide sulphate 117 n-pentyl-sopentylphitalate 117 n-pentyl-sopentylphitalate 118 Dioxobi(stearatoltrilead 119 Dec 2012 119 Tetralead trioxide sulphate 110 Pentalosadio-sopenium displante 1110 Pentalosadio-sopenium displante 112 Pentalosadio-sopenium displante 113 N-methylacetamide 114 Dinoseb (6-sec-butyl-2,4-dintrophenol) 115 1,2-Diethoxyethane 116 Tetralead trioxide sulphate 117 n-pentyl-sopentylphitalate 118 Dioxobi(stearatoltrilead 119 Dec 2012 119 Tetralead trioxide sulphate 110 Pentalosafluorotridecanoic acid 110 Pentalosafluorotridecanoic acid 111 Pentalosafluorotridecanoic acid 112 Pentalosafluorotridecanoic acid 113 Nemethylacetamide 114 Dinoseb (6-sec-butyl-2,4-dintrophenol) 115 1,2-Diethoxyethane 116 Tetralead trioxide sulphate 117 n-pentyl-sopentylphitalate 118 Dioxobi(stearatoltrilead 119 Dec 2012 119 Tetralead trioxide sulphate 110 Pentalosafluorotridecanoic acid 110 Pentalosafluorotridecanoic acid 111 Pentalosafluorotridecanoic acid 112 Pentalosafluorotridecanoic acid 119 Dec 2012 119 Tetralead trioxide sulphate 110 Pentalosafluorotridecanoic acid 110 Pentalosafluorotridecanoic acid 111 Pental						
p-{1-methyloctyl)phenol; p-isononylphenol; 26543-97-5; 4-{1-Ethyl-1,4-Dimethylpentyl)Phenol; 4-{1-Ethyl-1,3-Dimethylpentyl)Phenol; 4-{1-Ethyl-1,3-Dimethylpentyl)Phenol; 4-{1-ethyl-1-methylheptyl)phenol; 52427-13-1; p-{1,1-dimethylheptyl)phenol; 9-{1,1-dimethylheptyl)phenol; 1064 4-{3-ethylheptyl-1,3-Dimethylpenol; 1075 Phenol, 4-nonyl-, branched; 4-{3-ethylheptan-2-yl)phenol; 108625-39-8; Nonylphenol; 108625-39-8; Phenol, nonyl-, branched; 4-{1,1,5-Trimethylhexyl)phenol; 108625-39-8; Phenol, nonyl-, branched; 4-{1,1,5-Trimethylhexyl)phenol; 108625-39-8; 109641-04-2; 4-{1,1,5-Trimethylhexyl)phenol; 10974-27-3; 109841-04-2; 109964-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		combination thereor.				
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113 N-methylacetamide 79-16-3	112		1163-19-5	•		19 Dec 2012
114 Dinoseb (6-sec-butyl-2,4-dinitrophenol) 88-85-7 ■ 19 Dec 2012 115 1,2-Diethoxyethane 629-14-1 ■ 19 Dec 2012 116 Tetralead trioxide sulphate 12202-17-4 ■ 19 Dec 2012 117 n-pentyl-isopentylphthalate 776297-69-9 ■ 19 Dec 2012 118 Dioxobis(stearato)trilead 12578-12-0 ■ 19 Dec 2012 119 Tetraethyllead 78-00-2 ■ 19 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 ■ 19 Dec 2012 121 Pentacosafluorotridecanoic acid 72629-94-8 ■ 19 Dec 2012 122 Tricosafluorododecanoic acid 307-55-1 ■ 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 ■ 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141				_		
115 1,2-Diethoxyethane 629-14-1 ■ 19 Dec 2012 116 Tetralead trioxide sulphate 12202-17-4 ■ 19 Dec 2012 117 n-pentyl-isopentylphthalate 776297-69-9 ■ 19 Dec 2012 118 Dioxobis(stearato)trilead 12578-12-0 ■ 19 Dec 2012 119 Tetraethyllead 78-00-2 ■ 19 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 ■ 19 Dec 2012 121 Pentacosafluorotridecanoic acid 72629-94-8 ■ 19 Dec 2012 122 Tricosafluorododecanoic acid 307-55-1 ■ 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 ■ 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012		·				
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126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012		1-bromopropane (n-propyl bromide)	106-94-5			19 Dec 2012
127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012	125	Methoxyacetic acid	625-45-6			19 Dec 2012
	126	Methyloxirane (Propylene oxide)	75-56-9			19 Dec 2012
128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012	127	Trilead dioxide phosphonate	12141-20-7			19 Dec 2012
	128	o-aminoazotoluene	97-56-3			19 Dec 2012

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129	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	•	19 Dec 2012
130	4,4'-oxydianiline and its salts: 4,4'-oxydianiline	101-80-4	•	19 Dec 2012
131	Orange lead (lead tetroxide)	1314-41-6		19 Dec 2012
132	Biphenyl-4-ylamine	92-67-1		19 Dec 2012
133	Diisopentyl phthalate	605-50-5		19 Dec 2012
134	Fatty acids, C16-18, lead salts	91031-62-8	•	19 Dec 2012
135	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	•	19 Dec 2012
136	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	•	19 Dec 2012
137	Sulfurous acid, lead salt, dibasic	62229-08-7		19 Dec 2012
138	Lead cyanamidate	20837-86-9		19 Dec 2012

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 54 new substances that go into its products as of the date of 19th December 2012 disclosure of REACH compliance.

Amendment I

On 19th June 2013, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of 20th June 2013, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
139	Cadmium	7440-43-9			20 Jun 2013
140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1			20 Jun 2013
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1			20 Jun 2013
142	Dipentyl phthalate (DPP)	131-18-0			20 Jun 2013
	Dipentyl phthalate (DPP) 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: Nonylphenol, ethoxylated (6,5-EO); Nonylphenol, branched, ethoxylated (1 - 2.5 moles ethoxylated); Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)-ω-hydroxy-, branched; Poly (oxy-1,2-ethanediyl), alpha -(nonylphenyl)-omegahydroxy-, branched; 4-Nonylphenol, ethoxylated;	131-18-0 - 9016-45-9; 68412-54-4; 68412-54-3;			
	Nonylphenol, ethoxylated (15-EO); 20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol;	9016-45-9; 27942-27-4;			
	Nonylphenol, ethoxylated;	9016-45-9;			

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26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24-	14409-72-4;	
octaoxahexacosan -1-ol;	,	
2-[2-(4-nonylphenoxy)ethoxy]ethanol;	20427-84-3;	
2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol;	7311-27-5;	
Nonylphenol, ethoxylated (8-EO);	9016-45-9;	
Nonylphenol, ethoxylated (10-EO);	9016-45-9;	
Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)-ω-hydroxy;	9016-45-9;	
14-(nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol;	26264-02-8;	
26-(nonylphenoxy)-3,6,9,12,15,18,21,24- octaoxahexacosan-1-ol;	26571-11-9;	
2-[2-(nonylphenoxy)ethoxy]ethanol;	27176-93-8;	
20-(nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol;	27177-03-3;	
23-(nonylphenoxy)-3,6,9,12,15,18,21-heptaoxatricosan-1-ol;	27177-05-5;	
29-(nonylphenoxy)-3,6,9,12,15,18,21,24,27- nonaoxanonacosanol;	27177-08-8;	
2-(nonylphenoxy)ethanol;	27986-36-3;	
26-(nonylphenoxy)-3,6,9,12,15,18,21,24- octaoxahexacosan-1-ol;	42173-90-0;	
44-(nonylphenoxy)- 3,6,9,12,15,18,21,24,27,30,33,36,39,42- tetradecaoxatetratetracontanol;	57321-10-5;	
20-(isononylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol;	65455-69-8;	
4-Nonylphenol, branched, ethoxylated;	127087-87-0;	
Nonylphenolpolyglycolether;	-	
2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol;	1119449-37-	
Isononylphenol, ethoxylated;	4; 37205-87-1;	
17-(4-nonylphenoxy)-3,6,9,12,15-pentaoxaheptadecan-1-ol;	34166-38-6;	
4-Nonylphenol, branched, ethoxylated;	127087-87-0;	
2-(isononylphenoxy)ethanol;	284-987-5;	
3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-, branched;	91648-64-5;	
3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29- (isononylphenoxy);	65455-72-3;	

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	3,6,9,12,15-Pentaoxaheptadecan-1-ol, 17-(nonylphenoxy);	27177-01-1;			
	3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy);	20636-48-0;			
	4-t-Nonylphenol-diethoxylate;	156609-10-8;			
	2-(4-nonylphenoxy)ethanol;	104-35-8;			
	Nonylphenol, ethoxylated (EO = 10);	-			
	2-{2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy}ethanol;	1119449-38-			
	Nonylphenol, ethoxylated (polymer);	5; -			
	Nonylphenol, ethoxylated (EO = 4)	-			
	Cadmium oxide:	1306-19-0;			
144			•		20 Jun 2013
	Monteponite (CdO)	12139-21-8			

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 6 new substances that go into its products as of the date of 20th June 2013 disclosure of REACH compliance.

Amendment J

On 10th December 2013, the European Chemicals Agency (ECHA) announced 7 new substances identified as potential Substances of Very High Concern (SVHC). As of 16th December 2013, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
145	Cadmium sulphide	1306-23-6			16 Dec 2013
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminona phthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0			16 Dec2013
147	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphe nyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulpho nate (C.I. Direct Black 38)	1937-37-7	•		16 Dec 2013
148	Dihexyl phthalate	84-75-3			16 Dec 2013
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7			16 Dec2013
150	Lead di(acetate)	301-04-2			16 Dec 2013
151	Trixylyl phosphate	25155-23-1			16 Dec 2013

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 7 new substances that go into its products as of the date of 16th December 2013 disclosure of REACH compliance.

Amendment K

On 16th June 2013, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 16th June 2013, these substances were formally added to the Candidate List, as per list below: -



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No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
	Cadmium chloride:	10108-64-2;			
152			•		16 Jun 2014
	cadmium chloride (CdCl2), hydrate (2:5)	7790-78-5			
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	•		16 Jun 2014
154	Sodium peroxometaborate	7632-04-4			16 Jun 2014
	Sodium perborate; perboric acid, sodium salt:	-			
	Perboric acid, sodium salt, tetrahydrate ();	37244-98-7;			
	Perboric acid (HBO(O2)), sodium salt, tetrahydrate;	10486-00-7;			
	Sodium perborate monohydrate;	10332-33-9;			
155	Sodium perborate;	15120-21-5;	_		16 Jun 2014
133	Borate(2-), tetrahydroxybis[μ -(peroxy-κO1:κO2)]di-, sodium (1:2);	90568-23-3;	-		10 Juli 2014
	Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6);	125022-34-6;			
	Perboric acid, sodium salt;	11138-47-9;			
	Perboric acid (H3BO2(O2)), monosodium salt, trihydrate	13517-20-9			

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 4 new substances that go into its products as of the date of 16th June 2014 disclosure of REACH compliance.

Amendment L

On 17th December 2014, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of 17th December 2014, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
	Cadmium sulphate:	10124-36-4;			
		31119-53-6;			
156	Sulfuric acid, cadmium salt, hydrate (3:3:8);	7790-84-3;	•		17 Dec 2014
	Sulfuric acid, cadmium salt (1:1), hydrate	15244-35-6			
157	Cadmium fluoride	7790-79-6			17 Dec 2014
158	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphe nol (UV-328)	25973-55-1			17 Dec 2014
	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-				
	8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl				
159	10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-	-	•		17 Dec 2014
	7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction				
	mass of DOTE and MOTE)				
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia- 4-	15571-58-1	_		17 Dec 2014
100	stannatetradecanoate (DOTE)	133/1-38-1			17 Dec 2014
161	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7			17 Dec 2014





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This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 6 new substances that go into its products as of the date of 17th December 2014 disclosure of REACH compliance.

Amendment M

On 15th June 2015, the European Chemicals Agency (ECHA) announced 2 new substances identified as potential Substances of Very High Concern (SVHC). As of 15th June 2014, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5): 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters;	- 68648-93-1;	•		15 Jun 2015
	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl ester	68515-51-5			
	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:	-			
	1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl);	186309-28-4;			
	1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl);	117933-89-8;			
	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel;	343934-04-3;			
162	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans;	676367-09-2;	_		15 km 2015
163	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel;	343934-05-4;	•		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;			
	1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans;	676367-08-1;			
	1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis;	676367-03-6;			
	1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans;	676367-07-0;			
	1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis;	676367-02-5;			

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1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans;	676367-06-9;		
Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane;	-		
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane;	-		
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane;	-		
Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane;	-		
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis	676367-05-8		

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 2 new substances that go into its products as of the date of 15th June 2015 disclosure of REACH compliance.

Amendment N

On 22^{nd} January 2016, the European Chemicals Agency (ECHA) announced 5 new substances identified as potential Substances of Very High Concern (SVHC). As of 17^{th} December 2015 these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
164	1,3-propanesultone	1120-71-4			17 Dec 2015
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	•		17 Dec 2015
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl-phenol (UV-350)	36437-37-3	•		17 Dec 2015
167	Nitrobenzene	98-95-3			17 Dec 2015
	Perfluorononan-1-oic-acid and its sodium and ammonium salts:	-			
168	Ammonium salts of perfluorononan-1-oic-acid;	4149-60-4;	•		17 Dec 2015
	Perfluorononan-1-oic-acid;	375-95-1;			
	Sodium salts of perfluorononan-1-oic-acid	21049-39-8			









This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 5 new substances that go into its products as of the date of 22nd January 2016 disclosure of REACH compliance.

Amendment O

On 11th July 2016, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 20th June 2016, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
169	Benzo[def]chrysene (Benzo[a]phenol)	50-32-8	•		20 Jun 2016

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 1 new substance that go into its products as of the date of 20th June 2016 disclosure of REACH compliance.

Amendment P

On 12th January 2017, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 12th January 2017, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
170	p-(1,1-dimethylpropyl)phenol	80-46-6			12 Jan 2017
	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts:	-			
171	Nonadecafluorodecanoic acid;	335-76-2;	•		12 Jan 2017
	sodium nonadecafluorodecanoate;	3830-45-3;			
	Ammonium nonadecafluorodecanoate	3108-42-7			
	4-heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof:	-			
	Phenol, heptyl derivs.;	72624-02-3;			
172	4-(2,3,3-trimethylbutan-2-yl)phenol;	72861-06-4;	_		12 Jan 2017
1,2	4-(2,4-dimethylpentan-2-yl)phenol;	33104-11-9;	_		12 3011 2017
	4-(3-ethylpentan-3-yl)phenol;	37872-24-5;			
	4-(2-methylhexan-2-yl)phenol;	30784-31-7;			
	4-(3,3-dimethylpentan-2-yl)phenol;	911371-06-7;			
	4-(3-methylhexan-2-yl)phenol;	854904-93-1;			



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	4-(4,4-dimethylpentan-2-yl)phenol;	911371-07-8;		
	4-(4-methylhexan-2-yl)phenol;	71945-81-8;		
	4-(3-methylhexan-3-yl)phenol;	30784-32-8;		
	4-(2,2-dimethylpentan-3-yl)phenol;	861010-65-3;		
	4-(5-methylhexan-3-yl)phenol;	854904-92-0;		
	4-(heptan-3-yl)phenol;	6465-74-3;		
	4-(heptan-2-yl)phenol;	6863-24-7;		
	4-(heptan-4-yl)phenol;	6465-71-0;		
	4-(3-ethylpentyl)phenol;	911370-98-4;		
	4-(3-methylhexyl)phenol;	102570-52-5;		
	4-(4-methylhexyl)phenol;	1139800-98-		
	4-(5-methylhexyl)phenol;	8; 100532-36-3;		
	4-(2,4-dimethylpentan-3-yl)phenol;	1824346-00-		
	4-(2,3-dimethylpentan-2-yl)phenol;	0; 861011-60-1;		
	Phenol, 4-(1-ethyl-1,2-dimethylpropyl);	30784-27-1;		
	Phenol, 4-tert-heptyl;	288864-02-8;		
	4-(5-methylhexan-2-yl)phenol	857629-71-1		
173	4,4'-isopropylidenediphenol Bisphenol A; BPA	80-05-7		12 Jan 2017

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 4 new substances that go into its products as of the date of 12th January 2017, disclosure of REACH compliance.

Amendment Q

On 7th July 2017, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 7th July 2017, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
174	Perfluorohexane-1-sulphonic acid and its salts PFHxS:	-			
	ammonium perfluorohexane-1-sulphonate;	68259-08-5;	_		07 Jul 2017
	perfluorohexane-1-sulphonic acid;	355-46-4;	-		07 341 2017
	tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1);	70225-16-0;			



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potassium perfluorohexane-1-sulphonate;	3871-99-6;
N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate;	108427-55-0;
Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);	1000597-52- 3;
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;
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;
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;
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1);	1329995-45- 0;
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;
Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);	144116-10-9;
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;
lodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);	153443-35-7;
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;
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;
lodonium, 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;
	341035-71-0;







tridecafluoro, gallium salt (9Cf); Sulfonium, bis(4-methylphenyl)phenyl-, 11,2,2,3,3,4,5,5,6,6-f-idecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6- tridecafluoro, scandium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6- tridecafluoro, virtrium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6- tridecafluoro, virtrium(3+) salt (3:1); Sulfonium, (thiodi-4,1-phenylene)bis(diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); Iodonium, bis(4-(1,1-dimethylpropyl)phenyl)-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6- tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6- tridecafluoro-, compd. with N,N-diethylethanamine (1:1); Sulfonium, (4-methylphenyl)diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer vith 2-tribytricyclo[3,3,1,3,7]dec-2-yl- 2-methyl-2-propenoate and tetrahydro-2-oxo-3- furnyl 2-propenoate and tetrahydro-2-oxo-3- furnyl 2-propenoate and tetrahydro-2-oxo-3- furnyl 2-propenoate and tetrahydro-2-oxo-3-		· · · · · · · · · · · · · · · · · · ·	 1
Sulfonium, bis(4-methylphenyl)phenyl- 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoro-, scandium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6- tridecafluoro-, vtrtium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6- tridecafluoro-, vtrtium(3+) salt (3:1); Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); Sulfonium, bis[4-(1,1-dimethylpropyl)phenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6- tridecafluoro-, inc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6- tridecafluoro-, scandium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoro-, scandium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoro-, scandium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoro-, scalium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6- tridecafluoro-, scalium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6- tridecafluoro-, scalium salt; 1-Hexanesulfonic acid,	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-		
Sulfonium, bis(4-methylphenyl)phenyl, 1.1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro, scandium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro, yttrium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-yttrium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-yclinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-yclinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-yclinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-yclinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (3Ct); 1-Hexanesulfonic acid, 1,1,2,2	tridecafluoro-, gallium salt (9CI);		
1.1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, scandium[3+] salt [3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, ytrium[3+] salt [3:1]; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, ytrium[3+] salt [3:1]; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); 1-Hexanesulfonic acid, 1,1-dimethylethylphenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid, 1:1,1; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro1-hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro1-hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro1-hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) [3CI]: 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro1-hexanesulfonic acid (1:1) [3CI]: 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) [3CI]:		341548-85-4;	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, readymium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, rendymium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, rendymium(3+) salt (3:1); Sulfonium, (thiodi-4,1-phenylene)bic[diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); lodonium, bis[4-(1,1-dimethylertyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, (4-(Pemethyl-1-oxo-2-propen-1-yl)oxylphenyldiphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3,1,1,3]/dec-2-yl achtyl-2-propenoate, 3-hydroxytricyclo[3,3,1,1,3]/dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-turayl 2-methyl-2-propenoate and tetrahydro-			
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6 tridecafluoro-, scandium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-6 tridecafluoro-, vitrium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-6 tridecafluoro-, vitrium(3+) salt (3:1); Sulfonium, (thiodi-4,1-phenylene)lasidiphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-f-tridecafluoro-1-hexanesulfonic acid (1:2); Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,5,5,6,6-f-tridecafluoro-1-hexanesulfonic; Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,5,5,6,6-f-tridecafluoro-1-hexanesulfonic (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6 tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6 tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6 tridecafluoro-, sodium salt; Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polyphenyldiphenyl-, 1,1,2,2,3,3,4,5,5,6,6-6 tridecafluoro-, thexanesulfonic (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxylphenyldiphenyl-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polyphenyldiphenyl-, 2-yl-2-methyl-2-propenoate; 3-hydroxytricyclo[3,3,113,7]dec-2-yl-2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl-2-propenoate and tetrahydro-2-oxo-3-furanyl-2-propenoate and tetrahydro-2-oxo-3-furanyl-2-propenoate and tetrahydro-2-oxo-3-furanyl-2-propenoate; 3-hydroxytricyclo[3,3,113,7]dec-2-yl-2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl-2-propenoate and tetrahydro-2-oxo-3-furanyl-2-pr	1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate		
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, acid viliangle site (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, yttrium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, yttrium(3+) salt (3:1); Sulfonium, (thiodi-4,1-phenylene)bis(diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic; Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, inthium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, sodium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro1-hexanesulfonic acid (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,	(1:1);		
tridecafluoro., scandium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro., ptrium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro., yttrium(3+) salt (3:1); Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic; Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, inthium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, sodium salt; Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-lexanesulfonic acid (1:1); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxylphenyl]diphenyl-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethylricyclo[3,1,13,7]dec-2-yl 2-methyl-2-propenoate; 3-hydroxytricyclo[3,1,13,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-m		350836-93-0;	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-, neodymium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-, yttrium(3+) salt (3:1); Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,3,3,4,4,5,5,6,6-6-tridecafluoro-1-hexanesulfonic acid (1:2); Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,3,3,4,4,5,5,6,6-f-tridecafluoro-1-hexanesulfonic; Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6-f-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-, sodium salt; Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-f-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-f-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-(2-methyl-1-oxo-2-propenyl)oxylphenyl)diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-f-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, [4-(2-methyl-1-oxo-2-propenyl)oxylphenyl)diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-f-tridecafluoro-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-2-yl-2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl-2-methyl-2-propenoate and t	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-		
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, neodymium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,6,6-tridecafluoro-, tritum(3+) salt (3:1); Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,4,5,6,6-f-tridecafluoro-1-hexanesulfonic acid (1:2); Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-f-tridecafluoro-1-hexanesulfonic; Sulfonium, ris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6-f-tridecafluoro-1-hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-f-tridecafluoro-, ithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-f-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-f-tridecafluoro-, sodium salt; Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,3,5,5,6,6-f-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-f-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxylphenyl]diphenyl-, 1,1,2,2,3,3,4,5,5,6,6-f-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethylricylog(3,3,1,3,7)dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3,3,1,1,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furany	tridecafluoro-, scandium(3+) salt (3:1);		
tridecafluoro-, neodymium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, yttrium(3+) salt (3:1); Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic; Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, compd. with NN-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, sodium salt; Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,3,5,6,6-fridecafluoro-1-hexanesulfonic acid (1:1)[9(1); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,3,5,5,6,6-fridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1- yloxylphenyl]diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-fridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3,3,1,3,7]dec-2-yl 2-methyl-2-propenoate and terrahydro-2-oxo-3- furanyl 2-methyl-2-propenoate and terrahydro-2-oxo-3- furanyl 2-methyl-2-propenoate; 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,3,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-1- 1-Mexanesulfon		41184-65-0;	
tridecafluoro-, neodymium(3+) salt (3:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, yttrium(3+) salt (3:1); Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic; Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, compd. with NN-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, sodium salt; Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,3,5,6,6-fridecafluoro-1-hexanesulfonic acid (1:1)[9(1); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,3,5,5,6,6-fridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1- yloxylphenyl]diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-fridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3,3,1,3,7]dec-2-yl 2-methyl-2-propenoate and terrahydro-2-oxo-3- furanyl 2-methyl-2-propenoate and terrahydro-2-oxo-3- furanyl 2-methyl-2-propenoate; 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,3,5,5,6,6-1- 1-Mexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-1- 1-Mexanesulfon	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-	, , , , , , , , , , , , , , , , , , ,	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, yttrium(3+) salt (3-1); Sulfonium, (thiodi-4,1-phenylene)bis(diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1-2); Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic; Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N.N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,3,3,4,4,5,5,6,6-tridecafluoro-, sodium salt; Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yyloxylphenyl]diphenyl-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethylticylo(3,3,1,1,3,7]dec-2-yl-2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl-2-methyl-2-propenoate and tetrahydro-2-oxo-3-f			
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-yttrium(3+) salt (3:1); Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); Iodonium, bis[4-{1,1-dimethylpropyl)phenyl -, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic; Sulfonium, tris[4-{1,1-dimethylethylphenyl -, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, inthium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, sodium salt; Iodonium, bis[(1,1-dimethylethyl)phenyl -, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (SCI); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, (4-(2-methyl-1-oxo-2-propen-1-yl)oxylphenyl)diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-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; 3-hydroxytricyclo	(= / (///	41242-12-0:	
tridecafluoro-, yttrium(3+) salt (3:1); Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic; Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-2, inchidecafluoro-3,	1-Hexanesulfonic acid. 1.1.2.2.3.3.4.4.5.5.6.6.6-		
Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); lodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic; Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, sodium salt; lodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, (4-(2-methyl-1-oxo-2-propen-1-yl)oxylphenyl diphenyl-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethylir(2-propenoate; 3-hydroxytricyclo[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; and tetrah			
Sulfonium, (thiodi-4,1-phenylene)bis(diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); lodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic; Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, sodium salt; lodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyticyclo[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;	thaccandoro , yetham(5 ·) sale (5.1),	/21555 ₋ 73 ₋ 9·	
1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2); Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, sodium salt; Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9C); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethytircylol[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	Sulfonium (thiodi-1 1-phenylene)hic(diphenyl- salt with	421333 73 3,	
acid (1:2); lodonium, bis[4-{1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic; 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); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, ilthium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, sodium salt; lodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy)phenyl diphenyl-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethytricyclo[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;			
lodonium, bis[4-{1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic; 425670-70-8; 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 55120-77-9; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, itchium salt (1:1); 70136-72-0; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, zinc salt; 72033-41-1; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, sodium salt; 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-{(2-methyl-1-oxo-2-propen-1-yl)oxylphenyl diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-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; 425670-70-8; 425670-70-8; 525120-77-9; 525120-7			
lodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic;	acid (1:2);	424555 74.0	
1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic; 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); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, sodium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,6- tridecafluoro-, sodium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,6- tridecafluoro-, sodium salt; 1-Hexanesulfonic acid (1:1) (9Cl); 2-Bulfonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-{(2-methyl-1-oxo-2-propen-1- yl)oxylphenyldiphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-{(2-methyl-1-oxo-2- propenyl)oxylphenyldiphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec- 1-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;		421555-74-0;	
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); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, sodium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, sodium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-, sodium salt; 1-Hexanesulfonic acid (1:1) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-([2-methyl-1-oxo-2-propen-1- yl)oxylphenyl diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-6- tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-([2-methyl-1-oxo-2-propen-1- yl)oxylphenyl diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3,3,1,13,7]dec-2-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3- furanyl 2-methyl-2-propenoate;	, - , , , , , , , , , , , , , , , , , ,		
1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, sodium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-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;	1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic;		
1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, sodium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-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;			
(1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, sodium salt; lodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-y)loxylphenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-y)loxylphenyl]diphenyl-, salt with 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-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;		425670-70-8;	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt; lodonium, 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) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxylphenyl]diphenyl-, 1,1,2,2,3,3,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate;			
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-, sodium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-, sodium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-, sodium salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); 2-methyl-2-gropenoate, 3-hydroxytricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate;	(1:1);		
tridecafluoro-, lithium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 82382-12-5; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, sodium salt; 82382-12-5; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, sodium salt; 866621-50-3; lodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1- yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,5,5,6,6- tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec- 1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3- furanyl 2-methyl-2-propenoate;		55120-77-9;	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, sodium salt; 1odonium, 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) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1- yl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec- 1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3- furanyl 2-methyl-2-propenoate;	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-		
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, sodium salt; lodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethylricyclo[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;	tridecafluoro-, lithium salt (1:1);		
tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6 tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6 tridecafluoro-, sodium salt; lodonium, 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) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec- 1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3- furanyl 2-methyl-2-propenoate;		70136-72-0;	
tridecafluoro-, zinc salt; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6 tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-6 tridecafluoro-, sodium salt; lodonium, 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) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec- 1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3- furanyl 2-methyl-2-propenoate;	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-	, , , , , , , , , , , , , , , , , , ,	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, sodium salt; 82382-12-5; 866621-50-3; 910606-39-2; Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 911027-68-4; 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); 911027-69-5; Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;			
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, sodium salt; 82382-12-5; 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, sodium salt; 866621-50-3; 866621-50-3; 806621-50-3; 806621-50-3; Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 910006-39-2; 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- tridecafluoro-1-hexanesulfonate (1:1); 911027-68-4; 911027-69-5; Sulfonium, [4-[(2-methyl-1-oxo-2- propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec- 1-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;	,	72033-41-1:	
tridecafluoro-, compd. with N,N-diethylethanamine (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, sodium salt; lodonium, 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) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3- furanyl 2-methyl-2-propenoate;	1-Hevanesulfonic acid 1 1 2 2 3 3 4 4 5 5 6 6 6-	72000 12 2,	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt; lodonium, 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) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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-hexanesulfonic acid (1:1), polymen 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;			
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, sodium salt; lodonium, 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) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-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;	tridecaridoro-, compu. with N,N-dietriyietrianamine (1.1),	02202 12 5	
tridecafluoro-, sodium salt; lodonium, 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) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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); Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;	1 Hovenosulfonia soid 112222445566	62362-12-3,	
lodonium, 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) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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); 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-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec- 1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3- furanyl 2-methyl-2-propenoate;			
lodonium, 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) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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); Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;	tridecanuoro-, sodium sait;	000004 50 0	
1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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); Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;		866621-50-3;	
acid (1:1) (9Cl); Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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); Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;			
Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 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); Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;			
Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 911027-68-4; 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); 911027-69-5; Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;	acid (1:1) (9CI);		
1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); 911027-68-4; 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-tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;		910606-39-2;	
(1:1); 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); Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;			
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); Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;			
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); Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;	(1:1);		
yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-1-hexanesulfonate (1:1); 911027-69-5; Sulfonium, [4-[(2-methyl-1-oxo-2- propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;		911027-68-4;	
yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-1-hexanesulfonate (1:1); 911027-69-5; Sulfonium, [4-[(2-methyl-1-oxo-2- propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;	Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-		
tridecafluoro-1-hexanesulfonate (1:1); Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;			
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;			
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;	(2-2)	911027-69-5:	
propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;	Sulfonium. [4-[(2-methyl-1-oxo-2-		
1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;			
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;			
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;			
1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3- furanyl 2-methyl-2-propenoate;			
furanyl 2-methyl-2-propenoate;			
108427-54-9:	furanyl 2-methyl-2-propenoate;		
1 200.2. 5. 5)		108427-54-9;	





N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate;			
	928049-42-7;		
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			
	92011-17-1:		
1-Hexanesulfonic acid. 1.1.2.2.3.3.4.4.5.5.6.6.6-			
(212)	1187817-57-7		
1-Heyanesulfonic acid 1122334455666-	110,017 37 7		
(1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1); 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1)	92011-17-1; 1187817-57-7		

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 1 new substance that go into its products as of the date of 7th July 2017, disclosure of REACH compliance.

Amendment R

On 15th January 2018, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of 15th January 2018, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
175	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl):	-	•		15 Jan 2018
	Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.; Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine	1471311-26- 8; 93925-00-9			
176	Chrysene	218-01-9;			15 Jan 2018
177	Cadmium nitrate	10325-94-7			15 Jan 2018
178	Cadmium hydroxide	21041-95-2			15 Jan 2018
179	Cadmium carbonate	513-78-0			15 Jan 2018
180	Benz[a]anthracene	56-55-3;			15 Jan 2018

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 6 new substances that go into its products as of the date of 15th January 2018 disclosure of REACH compliance.

Amendment S

On 15th January 2018, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 15th January 2018, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion



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		-		
	1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-			
	7,15-diene ("Dechlorane Plus"™)			
	covering any of its individual anti- and syn-isomers or any			
	combination thereof:			
	(1S,2S,5R,6R,9S,10S,13R,14R)-	135821-03-3;		
	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 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;			
	1,6,7,8,9,14,15,16,17,17,18,18-	13560-89-9;		
	dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-			
181	7,15-diene;		•	15 Jan 2018
		135821-74-8;		
	(1S,2S,5S,6S,9R,10R,13R,14R)-	100011 / . 0,		
	1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.1 ⁶ , ⁹ .0 ² ,1 ³ .0 ⁵ ,1 ⁰]octadeca-			
	7,15-diene;			
	7,15 diene,			
	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;			
	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			

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 1 new substance that go into its products as of the date of 15th January 2018 disclosure of REACH compliance.

Amendment T

On 27^{th} June 2018, the European Chemicals Agency (ECHA) announced 10 new substances identified as potential Substances of Very High Concern (SVHC). As of 27^{th} June 2018, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
182	Terphenyl, hydrogenated	61788-32-7			27 Jun 2018
183	Octamethylcyclotetrasiloxane	556-67-2	•		27 Jun 2018
184	Lead	7439-92-1			27 Jun 2018
185	Ethylenediamine	107-15-3			27 Jun 2018
186	Dodecamethylcyclohexasiloxane	540-97-6			27 Jun 2018
187	Disodium octaborate	12008-41-2			27 Jun 2018
188	Dicyclohexyl phthalate	84-61-7			27 Jun 2018
189	Decamethylcyclopentasiloxane	541-02-6			27 Jun 2018
190	Benzo[ghi]perylene	191-24-2			27 Jun 2018
191	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	552-30-7			27 Jun 2018



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This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 10 new substances that go into its products as of the date of 27th June 2018 disclosure of REACH compliance.

Amendment U

On 15th January 2018, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of 15th January 2018, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
192	Pyrene	129-00-0			15 Jan 2019
193	Phenanthrene	85-01-8	•		15 Jan 2019
194	Fluoranthene	206-44-0			15 Jan 2019
195	Benzo[k]fluoranthene	207-08-9	•		15 Jan 2019
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	•		15 Jan 2019
	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-				
197	2-one	15087-24-8	•		15 Jan 2019
	3-benzylidene camphor; 3-BC				

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 6 new substances that go into its products as of the date of 15th January 2019 disclosure of REACH compliance.

Amendment V

On 15th July 2018, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 16th July 2019, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof;	-			
	ammonium 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propanoate;	62037-80-3;			
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride;	2062-98-8;	_		16 Jul 2019
190	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid;	13252-13-6;	•		10 Jul 2019
	potassium 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propionate;	67118-55-2;			
	Propanoic acid, 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)-, (+);	75579-39-4;			
	Propanoic acid, 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)-, (-)	75579-40-7			



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199	2-methoxyethyl acetate	110-49-6		16 Jul 2019
200	4-tert-butylphenol	98-54-4		16 Jul 2019
	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP):	-		
	Tris(nonylphenyl) phosphite;	26523-78-4;		
201	Phenol, 4-nonyl-, phosphite (3:1);	3050-88-2;	•	16 Jul 2019
	tris(4-nonylphenyl, branched) phosphite;	-		
	Phenol, p-isononyl-, phosphite (3:1);	31631-13-7;		
	Phenol, p-sec-nonyl-, phosphite	106599-06-8		

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 4 new substances that go into its products as of the date of 16th July 2019 disclosure of REACH compliance.

Amendment W

On 16th January 2020, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 16th January 2020, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
	Perfluorobutane sulfonic acid (PFBS) and its salts:	-			
	N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate;	25628-08-4;			
	magnesium perfluorobutanesulfonate;	507453-86-3;			
	lithium perfluorobutanesulfonate;	131651-65-5;			
	morpholinium perfluorobutanesulfonate;	503155-89-3;			
	1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid;	375-73-5;			
202	Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate;	68259-10-9;	-		16 Jan 2020
	tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate;	220689-12-3;			
	dimethyl(phenyl)sulfanium perfluorobutanesulfonate;	220133-51-7;			
	1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate;	-			
	Triphenylsulfanium perfluorobutane sulfonate;	144317-44-2;			
	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate;	29420-49-3;			
	bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate	194999-85-4			

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203	Diisohexyl phthalate	71850-09-4		16 Jan 2020
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	•	16 Jan 2020
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	•	16 Jan 2020

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 4 new substances that go into its products as of the date of 16th January 2020 disclosure of REACH compliance.

Amendment X

On 25th June 2020, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 25th June 2020, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
206	1-vinylimidazole	1072-63-5			25 Jun 2020
207	2-methylimidazole	693-98-1			25 Jun 2020
208	butyl 4-hydroxybenzoate	94-26-8			25 Jun 2020
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4			25 Jun 2020

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 4 new substances that go into its products as of the date of 26th June 2020 disclosure of REACH compliance.

Amendment Y

On 19th January 2021, the European Chemicals Agency (ECHA) announced 2 new substances identified as potential Substances of Very High Concern (SVHC). As of 19th January 2021, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
210	Dioctyltin dilaurate 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: dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.; Stannane, dioctyl-, bis(coco acyloxy) derivs.;	- 91648-39-4;	•		19 Jan 2021
	Dioctyltin dilaurate	3648-18-8			
211	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8		•	19 Jan 2021

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 2 new substances that go into its products as of the date of 19th January 2021 disclosure of REACH compliance.



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Amendment Z

On 8th July 2021, the European Chemicals Agency (ECHA) announced 8 new substances identified as potential Substances of Very High Concern (SVHC). As of 8th July 2021, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
212	1,4-dioxane	123-91-1			08 Jul 2021
	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):	-			
213	2,2-bis(bromomethyl)propane-1,3-diol (BMP);	3296-90-0;	•		08 Jul 2021
	2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA);	36483-57-5;			
	3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA);	1522-92-5;			
	2,3-dibromo-1-propanol (2,3-DBPA)	96-13-9			
	2-(4-tert-butylbenzyl)propionaldehyde and its individual	-			
	stereoisomers:				
214	(2R)-3-(4-tert-butylphenyl)-2-methylpropanal;	75166-31-3;	•		08 Jul 2021
	2-(4-tert-butylbenzyl)propionaldehyde;	80-54-6;			
	(2S)-3-(4-tert-butylphenyl)-2-methylpropanal	75166-30-2			
215	4,4'-(1-methylpropylidene)bisphenol	77-40-7	•		08 Jul 2021
216	Glutaral	111-30-8			08 Jul 2021
	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:				
217	di-, tri- and tetrachlorotetradecane;	-	•		08 Jul 2021
	Alkanes, C14-17, chloro;	85535-85-9;			
	Tetradecane, chloro derivs.;	198840-65-2;			
	Alkanes, C14-16, chloro	1372804-76-6			
	Orthoboric acid, sodium salt:	-			
	Boric acid, sodium salt;	1333-73-9;			
	Orthoboric acid, sodium salt;	13840-56-7;			
218	boric acid (H3BO3), sodium salt, hydrate;	25747-83-5;	•		08 Jul 2021
	boric acid (H3BO3), sodium salt (1:1);	14890-53-0;			
	Boric acid (H3BO3), disodium salt;	22454-04-2;			
	Trisodium orthoborate	14312-40-4			
219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation,	-	•		08 Jul 2021









covering any individual isomers and/ or combinations			
thereof (PDDP):			
	27459-10-5;		
4-isododecylphenol;			
	57427-55-1;		
Phenol, tetrapropylene;			
Dhanal Adadayd busyahad	210555-94-5;		
Phenol, 4-dodecyl, branched;	74499-35-7;		
Phenol, (tetrapropenyl) derivatives;	74499-55-7,		
Thenoi, (tetraproperly), derivatives,	27147-75-7;		
Phenol, 4-isododecyl;	_,_,,		
,,,	121158-58-5		
Phenol, dodecyl-, branched			

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 8 new substances that go into its products as of the date of 8th July 2021 disclosure of REACH compliance.

Amendment A1

On 17th January 2022, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 17th January 2022, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
	(±)-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):				
	(±)-1,7,7-trimethyl-3-[(4-				
	methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one;	36861-47-9;			
	(3E)-1,7,7-trimethyl-3-(4-				
	methylbenzylidene)bicyclo[2.2.1]heptan-2-one;	1782069-81-			
		1;			
	(1R,3E,4S)-1,7,7-trimethyl-3-(4-				
220	methylbenzylidene)bicyclo[2.2.1]heptan-2-one;		-		17 Jan 2022
		95342-41-9;			
	(1S,3E,4R)-1,7,7-trimethyl-3-(4-				
	methylbenzylidene)bicyclo[2.2.1]heptan-2-one;	852541-30-1;			
	(1R,3Z,4S)-1,7,7-trimethyl-3-(4-				
	methylbenzylidene)bicyclo[2.2.1]heptan-2-one;	852541-21-0;			
	(1R,4S)-1,7,7-trimethyl-3-(4-				
	methylbenzylidene)bicyclo[2.2.1]heptan-2-one;	741687-98-9;			
	(1S,3Z,4R)-1,7,7-trimethyl-3-(4-				
	methylbenzylidene)bicyclo[2.2.1]heptan-2-one	852541-25-4			
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1			17 Jan 2022
	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or				
222	isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-	255881-94-8	-		17 Jan 2022
	ethylhexyl) phosphorodithioate				
223	tris(2-methoxyethoxy)vinylsilane	1067-53-4			17 Jan 2022

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This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 4 new substances that go into its products as of the date of 17th January 2022 disclosure of REACH compliance.

Amendment B1

On 10th June 2022, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 10th June 2022, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
224	N-(hydroxymethyl)acrylamide	924-42-5			10 Jun 2022

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 1 new substance that go into its products as of the date of 10th June 2022 disclosure of REACH compliance.

Amendment C1

On 17th January 2023, the European Chemicals Agency (ECHA) announced 9 new substances identified as potential Substances of Very High Concern (SVHC). As of 17th January 2023, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
225	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	-	•		17 Jan 2023
	Perfluoroheptanoic acid and its salts:	-			
	Ammonium perfluoroheptanoate;	6130-43-4			
226	potassium perfluoroheptanoate;	21049-36-5	•		17 Jan 2023
	Perfluoroheptanoic acid;	375-85-9			
	Sodium perfluoroheptanoate	20109-59-5			
227	Melamine	108-78-1			17 Jan 2023
228	Isobutyl 4-hydroxybenzoate	4247-02-3			17 Jan 2023
229	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof:	- 26040-51-7	•		17 Jan 2023
230	Bis(2-ethylhexyl) tetrabromophthalate Barium diboron tetraoxide	13701-59-2	_		17 Jan 2023
			_		
231	4,4'-sulphonyldiphenol	80-09-1			17 Jan 2023
232	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	•		17 Jan 2023
233	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1			17 Jan 2023

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 9 new substances that go into its products as of the date of 17th January 2023 disclosure of REACH compliance.



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Amendment D1

On 14th June 2023, the European Chemicals Agency (ECHA) announced 2 new substances identified as potential Substances of Very High Concern (SVHC). As of 14th June 2023, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	•		14 Jun 2023
235	Bis(4-chlorophenyl) sulphone	80-07-9	•		14 Jun 2023

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 2 new substances that go into its products as of the date of 14th June 2023 disclosure of REACH compliance.

Amendment E1

On 23rd January 2024, the European Chemicals Agency (ECHA) announced 5 new substances identified as potential Substances of Very High Concern (SVHC). As of 23rd January 2024, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
236	Oligomerisation and alkylation reaction products of 2- phenylpropene and phenol:	-	•		23 Jan 2024
	Phenol, methylstyrenated	68512-30-1			
237	Bumetrizole (UV-326)	3896-11-5			23 Jan 2024
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4- (morpholin-4-yl)phenyl]butan-1-one	119344-86-4	•		23 Jan 2024
239	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3- tetramethylbutyl)phenol (UV-329)	3147-75-9	-		23 Jan 2024
240	2,4,6-tri-tert-butylphenol	732-26-3			23 Jan 2024

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 5 new substances that go into its products as of the date of 23rd January 2024 disclosure of REACH compliance.

Amendment F1

On 27th June 2024, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 27th June 2024, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3			27 Jun 2024

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 1 new substance that go into its products as of the date of 27th June 2024 disclosure of REACH compliance.



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Amendment G1

On 7th November 2024, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 7th November 2024, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
242	Triphenyl phosphate	115-86-6			07 Nov 2024

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 1 new substance that go into its products as of the date of 7th November 2024 disclosure of REACH compliance.

Amendment H1

On 21st January 2025, the European Chemicals Agency (ECHA) announced 5 new substances identified as potential Substances of Very High Concern (SVHC). As of 21st January 2025, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
243	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	•		21 Jan 2025
244	Perfluamine	338-83-0			21 Jan 2025
245	Octamethyltrisiloxane	107-51-7			21 Jan 2025
246	O,O,O-triphenyl phosphorothioate	597-82-0			21 Jan 2025
247	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	•		21 Jan 2025

This updated status is based on Carclo Fresnel's understanding of REACH and Carclo Fresnel's knowledge of the 5 new substances that go into its products as of the date of 21st January 2025 disclosure of REACH compliance.

For and on behalf of Carclo Fresnel Limited

Signature:	POSH	Hollie Evans	• Quality Manager
3.8.14.41.61		Revised:	27 th January 2025



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REACH Statement

The European Union's REACH Directive (EC 1907/2006) is designed to regulate the Registration, Evaluation, Authorisation and Restriction of Chemical Substances. REACH legislation was finalised in December 2006 and has been in effect since June 2007.

In an effort to address the requirements of the REACH regulation and ensure a reliable ongoing supply of Carclo Optics parts, Carclo Optics has contacted suppliers to confirm all necessary registrations, authorisations and restrictions of in-scope substances in formulations, preparations, materials or articles to be completed by the REACH deadlines. In addition, suppliers have been requested to assess the potential presence of Substances of Very High Concern (SVHC), as well as substances listed on REACH Annex XIV Authorisation List and REACH Annex XVII restricted substances. The 247 SVHC substances, substances present on Annex XIV Authorisation List, or Annex XVII restricted substances, are not intentionally added or used in the manufacture of Carclo Optics products as of 21st January 2025,

As Carclo Optics does not intentionally add SVHC, or substances listed as restricted or requiring authorisation, and based on the "Article" criteria in the REACH regulation, all articles manufactured by Carclo Optics are interpreted to be exempt from substance regulation and therefore compliant with the REACH regulation.

https://environment.ec.europa.eu/topics/chemicals/reach-regulation_en



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REACH Certificate of Compliance

Carclo Optics fully supports and hereby certifies complete conformance to the requirements of REACH's **247** SVHC (Substances of Very High Concern), the European Community Regulation standard about chemicals and their safe use (EC 1907/2006), which is a new law entered into force on 07th July 2007 that was phased in until 2018.

Carclo Optics is committed to providing safe products, consistent with the improvement and protection of human health and the environment, through the better and earlier identification of the intrinsic properties of chemical substances.

Carclo Optics currently conforms up to **21**st **January 2025**, Amendment H1, and will continue to conform to the requirements of REACH as new amendments are released: Specifically, the below listed chemical substances are not present in our products for quantities totalling over one tonne per producer a year and are not present above a concentration of 0.1% by weight.

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
1	Anthracene	120-12-7	•		28 Oct 2008
2	4,4'-Diaminodiphenylmethane (MDA)	101-77-9			28 Oct 2008
3	Benzyl butyl phthalate (BBP)	85-68-7			28 Oct 2008
4	Bis(2-ethylhexyl)pphthalate (DEHP)	117-81-7			28 Oct 2008
5	Dibutyl phthalate (DBP)	84-74-2			28 Oct 2008
6	Cobalt dichloride	7646-79-9			28 Oct 2008
7	Sodium dichromate	7789-12-0; 10588-01-9			28 Oct 2008
8	Lead hydrogen arsenate	7784-40-9	-		28 Oct 2008
9	Diarsenic pentaoxide	1303-28-2			28 Oct 2008
10	Triethyl arsenate	15606-95-8			28 Oct 2008
11	Diarsenic trioxide	1327-53-3	-		28 Oct 2008
12	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	-		28 Oct 2008
13	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: gamma-hexabromocyclododecane; beta-hexabromocyclododecane; 1,2,5,6,9,10-hexabromocyclododecane; Hexabromocyclododecane; alpha-hexabromocyclododecane	134237-52-8; 134237-51-7; 3194-55-6; 25637-99-4; 134237-50-6;	-		28 Oct 2008
14	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8			28 Oct 2008
15	Bis(tributyltin)oxide (TBTO)	56-35-9			28 Oct 2008

Carclo Optics defines "REACH Compliant" to mean that banned substances are not intentionally added during the manufacturing process and have upper concentrations within REACH acceptable limits.

This status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the materials that goes into its products as of the date of 1st June 2007 disclosure of REACH compliance.



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Amendment A

In a press release dated 7th December 2009, the European Chemicals Agency (ECHA) announced 12 new substances identified as potential Substances of Very High Concern (SVHC). As of 13th January 2010, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
16	Anthracene Oil	90640-80-5			13 Jan 2010
17	Anthracene Oil, Anthracene Paste Distn. Lights	91995-17-4			13 Jan 2010
18	Anthracene oil, Athracene paste, Anthracene fraction	91995-15-2			13 Jan 2010
19	Anthracene oil, anthracene-low	90640-82-7			13 Jan 2010
20	Anthracene oil, Anthracene paste	90640-81-6			13 Jan 2010
21	Diisobutyl phthalate	84-69-5			13 Jan 2010
22	Lead chromate	7758-97-6			13 Jan 2010
23	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	•		13 Jan 2010
24	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	•		13 Jan 2010
25	Tris(2-chloroethyl)phosphate	115-96-8			13 Jan 2010
26	Pitch, Coal Tar, high temperature	65996-93-2			13 Jan 2010
27	2,4-Dinitrotoluene	121-14-2			13 Jan 2010

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 12 new substances that go into its products as of the date of 13th January 2010 disclosure of REACH compliance.

Amendment B

In a press release dated 30th March 2010, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 30th March 2010 this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
28	Acrylamide	79-06-1			30 Mar 2010

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 1 new substance that go into its products as of the date of 30th March 2010 disclosure of REACH compliance.

Amendment C

In a press release dated 18th June 2010, the European Chemicals Agency (ECHA) announced 8 new substances identified as potential Substances of Very High Concern (SVHC). As of 18th June 2010, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
29	Ammonium dichromate	7789-09-5			18 Jun 2010
	Boric acid:	-			
30	Boric acid, crude natural;	11113-50-1;	-		18 Jun 2010
	Boric acid	10043-35-3			
		1303-96-4;			
31	Disodium tetraborate, anhydrous	1330-43-4;	•		18 Jun 2010
		12179-04-3			



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32	Potassium chromate	7789-00-6		18 Jun 2010
33	Potassium dichromate	7778-50-9		18 Jun 2010
34	Sodium chromate	7775-11-3		18 Jun 2010
35	Tetraboron disodium heptaoxide, hydrate	12267-73-1		18 Jun 2010
36	Trichloroethylene	79-01-6		18 Jun 2010

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 8 new substances that go into its products as of the date of 18th June 2010 disclosure of REACH compliance.

Amendment D

In a press release dated 15th December 2010, the European Chemicals Agency (ECHA) announced 8 new substances identified as potential Substances of Very High Concern (SVHC). As of 15th December 2010, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
37	2-Ethoxyethanol	110-80-5	•		15 Dec 2010
38	2-Methoxyethanol	109-86-4			15 Dec 2010
39	Acids generated from chromium trioxide and their oligomers: Chromic acid; Oligomers of chromic and dichromic acid; Dichromic acid	- 7738-94-5; - 13530-68-2	•		15 Dec 2010
40	Chromium trioxide	1333-82-0			15 Dec 2010
41	Cobalt(II) carbonate	513-79-1	-		15 Dec 2010
42	Cobalt(II) diacetate	71-48-7	•		15 Dec 2010
43	Cobalt(II) dinitrate	10141-05-6			15 Dec 2010
44	Cobalt(II) sulphate	10124-43-3			15 Dec 2010

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 8 new substances that go into its products as of the date of 15th December 2010 disclosure of REACH compliance.

Amendment E

In a press release dated 20th June 2011, the European Chemicals Agency (ECHA) announced 7 new substances identified as potential Substances of Very High Concern (SVHC). As of 20th June 2011, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
45	2-Ethoxyethyl acetate	111-15-9			20 Jun 2011
46	Strontium chromate	7789-06-2			20 Jun 2011
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	•		20 Jun 2011
48	Hydrazine	302-01-2; 7803-57-8	•		20 Jun 2011
49	1-Methyl-2-pyrrolidone (NMP)	872-50-4			20 Jun 2011
50	1,2,3-Trichloropropane	96-18-4			20 Jun 2011
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	•		20 Jun 2011



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This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 7 new substances that go into its products as of the date of 20th June 2011 disclosure of REACH compliance.

Amendment F

In December 2011, the European Chemicals Agency (ECHA) announced 20 new substances identified as potential Substances of Very High Concern (SVHC). As of 19th December 2011, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
52	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9			19 Dec 2011
53	Pentazinc chromate octahydroxide	49663-84-5			19 Dec 2011
54	Aluminosilicate Refractory Ceramic Fibers are fibers 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, labeling and packaging of substances and mixtures, and fulfill the three following conditions: a) oxides of aluminum and silicon are the main components present (in the fibers) within variable concentration ranges b) fibers have length weighted geometric errors of 6 or less micrometers (µm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight (RCF):	-			19 Dec 2011
	Refractories, fibres, aluminosilicates	142844-00-6			
55	Zirconia Aluminosilicate Refractory Ceramic Fibers 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 (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight:	142844-00-6	•		19 Dec 2011
56	Formaldehyde, oligomeric reaction products with aniline	25214-70-4			19 Dec 2011
57	Bis(2-methoxyethyl) phthalate	117-82-8	-		19 Dec 2011
58	2-Methoxyaniline; o-Anisidine	90-04-0	<u> </u>		19 Dec 2011
59	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	<u> </u>		19 Dec 2011
60	1,2-Dichloroethane	107-06-2	- -		19 Dec 2011
61	Bis(2-methoxyethyl) ether	111-96-6			19 Dec 2011
62	Arsenic acid	7778-39-4			19 Dec 2011
63	Calcium arsenate	7778-44-1	•		19 Dec 2011
64	Trilead diarsenate	3687-31-8	•		19 Dec 2011
65	N,N-dimethylacetamide	127-19-5	■		19 Dec 2011
66	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	•		19 Dec 2011
67	Dichromium tris (chromate)	24613-89-6	•		19 Dec 2011
68	Phenolphthalein	77-09-8	■		19 Dec 2011
69	Lead diazide, Lead azide	13424-46-9	•		19 Dec 2011
70	Lead styphnate	15245-44-0	•		19 Dec 2011







71	Lead dipicrate	6477-64-1		19 Dec 2011

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 20 new substances that go into its products as of the date of 19th December 2011 disclosure of REACH compliance.

Amendment G

In June 2012, the European Chemicals Agency (ECHA) announced 13 new substances identified as potential Substances of Very High Concern (SVHC). As of 18th June 2012, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
72	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)	6786-83-0	•		18 Jun 2012
73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	-		18 Jun 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)	59653-74-6	•		18 Jun 2012
75	Diboron trioxide	1303-86-2			18 Jun 2012
76	1,2-bis(dimethoxyethoxy)ethane (TEGDME; triglyme)	112-49-2			18 Jun 2012
77	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)	561-41-1	•		18 Jun 2012
78	Lead(II) bis(methanesulfonate)	17570-76-2			18 Jun 2012
79	Formamide	75-12-7			18 Jun 2012
80	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa- 2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) with ≥ 0.1% of Michler's ketone (EC No. 202-027- 5) or Michler's base (EC No. 202-959-2)	548-62-9	-		18 Jun 2012
81	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	•		18 Jun 2012
82	[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)	2580-56-5	•		18 Jun 2012
83	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9			18 Jun 2012
84	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8			18 Jun 2012

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 13 new substances that go into its products as of the date of 18th June 2012 disclosure of REACH compliance.

Amendment H

In December 2012, the European Chemicals Agency (ECHA) announced 54 new substances identified as potential Substances of Very High Concern (SVHC). As of 19th December 2012, these substances were formally added to the Candidate List, as per list below: -



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No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
85	4-aminoazobenzene	60-09-3			19 Dec 2012
86	Pyrochlore, antimony lead yellow	8012-00-8			19 Dec 2012
87	6-methoxy-m-toluidine (p-cresidine)	120-71-8			19 Dec 2012
88	Henicosafluoroundecanoic acid	2058-94-8			19 Dec 2012
	Hexahydromethylphthalic anhydride	-			
	including cis- and trans- stereo isomeric forms and all				
	possible combinations of the isomers:				
	Hexahydro-1-methylphthalic anhydride;	48122-14-1;			
89			•		19 Dec 2012
	Hexahydro-3-methylphthalic anhydride;	57110-29-9;			
	Hexahydromethylphthalic anhydride;	25550-51-0;			
	Hexahydro-4-methylphthalic anhydride	19438-60-9			
	Cyclohexane-1,2-dicarboxylic anhydride	-			
	all possible combinations of the cis- and trans-isomers:				
90	cis-cyclohexane-1,2-dicarboxylic anhydride;	13149-00-3;	_		19 Dec 2012
30			_		13 Dec 2012
	trans-cyclohexane-1,2-dicarboxylic anhydride;	14166-21-3;			
	Cyclohexane-1,2-dicarboxylic anhydride	85-42-7			
91	Dibutyltin dichloride (DBTC)	683-18-1			19 Dec 2012
92	Lead bis(tetrafluoroborate)	13814-96-5			19 Dec 2012
93	Lead dinitrate	10099-74-8			19 Dec 2012
94	Silicic acid, lead salt	11120-22-2			19 Dec 2012
95	Lead titanium zirconium oxide	12626-81-2			19 Dec 2012
96	Lead monoxide (lead oxide)	1317-36-8			19 Dec 2012
97	o-Toluidine	95-53-4			19 Dec 2012
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolid ine	143860-04-2			19 Dec 2012
	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped [with				
	lead (Pb) content above the applicable generic				
99	concentration limit for 'toxicity for reproduction' Repr. 1A	68784-75-8	_		19 Dec 2012
<i>JJ</i>	(CLP) or category 1 (DSD), the substance is a member of	00704 75 0	_		15 DCC 2012
	the group entry of lead compounds, with index number				
	082-001-006 in regulation (EC) No 1272/2008]				
100	Trilead bis(carbonate)dihydroxide	1319-46-6			19 Dec 2012
101	Furan	110-00-9	•		19 Dec 2012
102	N,N-dimethylformamide	68-12-2			19 Dec 2012
	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-			
	covering well-defined substances and UVCB substances,				
	polymers and homologues:				
	2-{2-[4-(2,4,4-trimethylpentan-2-	2315-61-9			
	yl)phenoxy]ethoxy}ethanol;				
103			-		19 Dec 2012
	20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-	2497-59-8			
	hexaoxaicosan-1-ol;				
	2 [[] 4 (2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0000 00 1			
	2-[[]4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethanol;	9002-93-1			
	2 [[] 4 (2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2245 65 5			
	2-[[]4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethan-1-ol	2315-67-5			
	4-Nonylphenol, branched and linear	-			
104	substances with a linear and/or branched alkyl chain with		 ■		19 Dec 2012
	a carbon number of 9 covalently bound in position 4 to				
	phenol, covering also UVCB- and well-defined substances		1		I

Business Address: Carclo Optics 6 - 7 Faraday Road Rabans Lane Industrial Estate Aylesbury, Buckinghamshire HP19 8RY

VAT Registered No. 865 4673 84

Invoice Address: Carclo Technical Plastics Ltd 47 Wates Way Mitcham Surrey CR4 4HR





which include any of the individual isomers or a combination thereof: p-nonylphenol; p-(1-methyloctyl)phenol; p-isononylphenol; 4-(1-Ethyl-1,4-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 4-(1-ethyl-1,3-Di					
p-nonylphenol; p-l-methyloctyl)phenol; p-lsononylphenol; p-lsononylphenol; p-lsononylphenol; p-lsononylphenol; 4-(1-Ethyl-1,4-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 4-(1-ethyl-1-methylpentyl)Phenol; p-l,1-dimethylpentyl)Phenol; p-l,1-dimethylpentylphenol; p-l,1-dimethylpentylphenol; p-l,1-dimethylpentylphenol; p-l,1-dimethylpentylphenol; p-l,1-dimethylpentylphenol; p-l,1-dimethylpentylphenol; p-l,1-dimethylpentylphenol; p-l,1-dimethylpentylphenol; p-loop		which include any of the individual isomers or a			
p-(1-methyloctyl)phenol; p-isononylphenol; 4-(1-Ethyl-1,4-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpenol); 5-(1,1-dimethylheptyl)phenol; 5-(1,1-dimethylheptyl)phenol; 5-(1,1-dimethylheptyl)phenol; 5-(1,1-dimethylheptyl)phenol; 5-(1,1-dimethylheptyl)phenol; 6-(1,1-dimethylheptyl)phenol; 7-(1,1-dimethylheptyl)phenol; 8-(1,1-5-3); 8-(1,3-ethylheptan-2-yl)phenol; 8-(1,1-5-3); 8-(1,3-ethylheptan-2-yl)phenol; 8-(1,1-5-Trimethylhexyl)phenol; 9-(1,1-dimethylhexyl)phenol; 8-(1,1-5-Trimethylhexyl)phenol; 8-(1,1-5-Trimethylhexyl)phenol; 8-(1,1,5-Trimethylhexyl)phenol; 8-(1,1,5-Trimethylhexyl)phenol		combination thereof:			
p-(1-methyloctyl)phenol; p-isononylphenol; 4-(1-Ethyl-1,4-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpenol); 5-(1,1-dimethylheptyl)phenol; 5-(1,1-dimethylheptyl)phenol; 5-(1,1-dimethylheptyl)phenol; 5-(1,1-dimethylheptyl)phenol; 5-(1,1-dimethylheptyl)phenol; 6-(1,1-dimethylheptyl)phenol; 7-(1,1-dimethylheptyl)phenol; 8-(1,1-5-3); 8-(1,3-ethylheptan-2-yl)phenol; 8-(1,1-5-3); 8-(1,3-ethylheptan-2-yl)phenol; 8-(1,1-5-Trimethylhexyl)phenol; 9-(1,1-dimethylhexyl)phenol; 8-(1,1-5-Trimethylhexyl)phenol; 8-(1,1-5-Trimethylhexyl)phenol; 8-(1,1,5-Trimethylhexyl)phenol; 8-(1,1,5-Trimethylhexyl)phenol					
p-isononylphenol; 4-(1-Ethyl-1,4-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 186825-36-5; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 52427-13-1; p-(1,1-dimethylhexyl)phenol; 30784-30-6; Phenol, 4-nonyl-, branched; 4-(3-ethylheptan-2-yl)phenol; 186825-39-8; Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 4-(1,1,5-Trimethylhexyl)phenol; 521947-27-3; Isonomylphenol 105 4,4'-methylnexyl)phenol; 106 4-(1,1,5-Trimethylhexyl)phenol; 107 4,4'-methylnexyl)phenol; 108 1ethyl sulphate 109 4-(1,1,5-Trimethylhexyl)phenol; 109 1ethyl sulphate 100 1ethyl sulphate 100 1ethyl sulphate 101 200-2012 102 103 1ead visides ulfate 103 103-67-9 103 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10		p-nonylphenol;	104-40-5;		
p-isononylphenol; 4-(1-Ethyl-1,4-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 186825-36-5; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 52427-13-1; p-(1,1-dimethylhexyl)phenol; 30784-30-6; Phenol, 4-nonyl-, branched; 4-(3-ethylheptan-2-yl)phenol; 186825-39-8; Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 4-(1,1,5-Trimethylhexyl)phenol; 521947-27-3; Isonomylphenol 105 4,4'-methylnexyl)phenol; 106 4-(1,1,5-Trimethylhexyl)phenol; 107 4,4'-methylnexyl)phenol; 108 1ethyl sulphate 109 4-(1,1,5-Trimethylhexyl)phenol; 109 1ethyl sulphate 100 1ethyl sulphate 100 1ethyl sulphate 101 200-2012 102 103 1ead visides ulfate 103 103-67-9 103 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10					
4-(1-Ethyl-1,4-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 4-(1-ethyl-1-methylhexyl)phenol; 52427-13-1; p-(1,1-dimethylheptyl)phenol; 30784-30-6; Phenol, 4-nonyl-, branched; 4-(3-ethylheptan-2-yl)phenol; 84852-15-3; Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 4-(1,1,5-Trimethylhexyl)phenol; 521947-27-3; Isononylphenol 11066-49-2 105 4,4'-methylenedi-o-toluidine 388-88-0		p-(1-methyloctyl)phenol;	17404-66-9;		
4-(1-Ethyl-1,4-Dimethylpentyl)Phenol; 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol; 4-(1-ethyl-1-methylheptyl)phenol; 52427-13-1; p-(1,1-dimethylheptyl)phenol; 30784-30-6; Phenol, 4-nonyl-, branched; 4-(3-ethylheptan-2-yl)phenol; 186825-39-8; Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 4-(1,1,5-Trimethylhexyl)phenol; 521947-27-3; Isononylphenol 11066-49-2 105 4,4'-methylenedi-o-toluidine 388-88-0					
4-{1-Ethyl-1,3-Dimethylpentyl]Phenol; 4-{1-ethyl-1-methylhexyl]phenol; 52427-13-1; p-{1,1-dimethylheptyl)phenol; 30784-30-6; Phenol, 4-nonyl-, branched; 4-{3-ethylheptan-2-yl]phenol; 84852-15-3; 4-{3-ethylheptan-2-yl]phenol; 816825-39-8; Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 4-{1,1,5-Trimethylhexyl]phenol; 1106-49-2 105 4,4-methylenedi-o-toluidine 1106-49-2 106 Diethyl sulphate 1106-49-2 107 Dimethyl sulphate 177-78-1 110 Dec 2012 108 Lead doxide sulfate 12036-76-9 110 Dec 2012 109 Lead titanium trioxide 12060-00-3 110 Dec 2012 101 Acetic acid, lead sall, basic 51404-93-4 110 Dec 2012 111 [Phthalato(2-)]dioxotrilead 69011-06-9 110 Dec 2012 112 [Bis(pentabromophenyl) ether (decabromodiphenyl ether) (Dec 2006) 6-9c-butyl-2,4-dinitrophenol) 88-85-7 110 Dec 2012 113 N-methylacetamide 79-16-3 110 Dec 2012 114 Dinoseb (6-9c-butyl-2,4-dinitrophenol) 88-85-7 110 Dec 2012 115 1,2-Diethoxyethane 629-14-1 110 Dioxobis(stearatol)trilead 1770-p-pentyl-isopentylphthalate 77629-76-9 110 Dec 2012 118 Dioxobis(stearatol)trilead 178-0-2 110 Dioxobis(stearatol)trilead 178-0-2 111 Dioxobis(stearatol)trilead 179-0-2 112 112 11		p-isononylphenol;	26543-97-5;		
4-{1-Ethyl-1,3-Dimethylpentyl]Phenol; 4-{1-ethyl-1-methylhexyl]phenol; 52427-13-1; p-{1,1-dimethylheptyl)phenol; 30784-30-6; Phenol, 4-nonyl-, branched; 4-{3-ethylheptan-2-yl]phenol; 84852-15-3; 4-{3-ethylheptan-2-yl]phenol; 816825-39-8; Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 4-{1,1,5-Trimethylhexyl]phenol; 1106-49-2 105 4,4-methylenedi-o-toluidine 1106-49-2 106 Diethyl sulphate 1106-49-2 107 Dimethyl sulphate 177-78-1 110 Dec 2012 108 Lead doxide sulfate 12036-76-9 110 Dec 2012 109 Lead titanium trioxide 12060-00-3 110 Dec 2012 101 Acetic acid, lead sall, basic 51404-93-4 110 Dec 2012 111 [Phthalato(2-)]dioxotrilead 69011-06-9 110 Dec 2012 112 [Bis(pentabromophenyl) ether (decabromodiphenyl ether) (Dec 2006) 6-9c-butyl-2,4-dinitrophenol) 88-85-7 110 Dec 2012 113 N-methylacetamide 79-16-3 110 Dec 2012 114 Dinoseb (6-9c-butyl-2,4-dinitrophenol) 88-85-7 110 Dec 2012 115 1,2-Diethoxyethane 629-14-1 110 Dioxobis(stearatol)trilead 1770-p-pentyl-isopentylphthalate 77629-76-9 110 Dec 2012 118 Dioxobis(stearatol)trilead 178-0-2 110 Dioxobis(stearatol)trilead 178-0-2 111 Dioxobis(stearatol)trilead 179-0-2 112 112 11		1 /1 Fthyl 1 4 Dimothylpontyl) Dhonol	142721 62 2.		
4-{1-ethyl-1-methylihexyl)phenol; p-[1,1-dimethyliheptyl)phenol; 30784-30-6; Phenol, 4-nonyl-, branched; 4-{3-ethylheptan-2-yl)phenol; Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 4-{1,1,5-Trimethylhexyl)phenol; 251947-27-3; Isononylphenol 11066-49-2 105		4-(1-Ethyl-1,4-Difflethylpentyl)Phenol,	142/31-03-3,		
4-{1-ethyl-1-methylihexyl)phenol; p-[1,1-dimethyliheptyl)phenol; 30784-30-6; Phenol, 4-nonyl-, branched; 4-{3-ethylheptan-2-yl)phenol; Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 4-{1,1,5-Trimethylhexyl)phenol; 251947-27-3; Isononylphenol 11066-49-2 105		4-(1-Fthyl-1 3-Dimethylpentyl)Phenol:	186825-36-5		
p-(1,1-dimethylheptyl)phenol; Phenol, 4-nonyl-, branched; 4-(3-ethylheptan-2-yl)phenol; Nonylphenol; Phenol, nonyl-, branched; 4-(3-ethylheptan-2-yl)phenol; Nonylphenol; Phenol, nonyl-, branched; 4-(1,1,5-Trimethylhexyl)phenol; 100		(1 Lary) 1/3 Dimetry pency // Henory	100023 30 3,		
p-(1,1-dimethylheptyl)phenol; Phenol, 4-nonyl-, branched; 4-(3-ethylheptan-2-yl)phenol; Nonylphenol; Phenol, nonyl-, branched; 4-(3-ethylheptan-2-yl)phenol; Nonylphenol; Phenol, nonyl-, branched; 4-(1,1,5-Trimethylhexyl)phenol; Phenol, nonyl-, branched; 4-(1,1,5-Trimethylhexyl)phenol; Phenol, nonyl-, branched; 4-(1,1,5-Trimethylhexyl)phenol; Phenol, nonyl-, branched; Phenol		4-(1-ethyl-1-methylhexyl)phenol;	52427-13-1;		
Phenol, 4-nonyl-, branched; 4-(3-ethylheptan-2-yl)phenol; 186825-39-8; Nonylphenol, Phenol, nonyl-, branched; 90481-04-2; 4-(1,1,5-Trimethylhexyl)phenol; 105 4,4"-methylenedi-o-toluidine 11066-49-2 105 14,4"-methylenedi-o-toluidine 11066-49-2 106 Diethyl sulphate 107 Dimethyl sulphate 108 Lead stitanium trioxide 11036-7-8-1 110 Acetic acid, lead salt, basic 110 Acetic acid, lead salt, basic 110 Acetic acid, lead salt, basic 110 Poec 2012 110 Acetic acid, lead salt, basic 111 (Phthalatol2-)ldioxotrilead 69011-06-9 112 Bis(pentabromophenyl) ether (decabromodiphenyl ether) (becaBDc) 112 Dinoseb (6-sec-butyl-2,4-dinitrophenol) 113 N-methylacetamide 79-16-3 1 19 Dec 2012 114 Dinoseb (6-sec-butyl-2,4-dinitrophenol) 115 1,2-Diethoxyethane 116 Tetralead trioxide sulphate 117 n-pentyl-isopentylphthalate 118 Diversibility and trioxide 119 Dec 2012 110 Diethoxyethane 111 Diethyl-sulphate 11206-9-9-9 111 Diethoxyethane 11207-112 Diethoxyethane 11208-90-113 Diethoxyethane 11209-114 Dinoseb (6-sec-butyl-2,4-dinitrophenol) 115 Diethoxyethane 116 Tetralead trioxide sulphate 117 n-pentyl-isopentylphthalate 118 Diversibility and trioxide sulphate 119 Dec 2012 110 Diethoxyethane 111 Diethoxyethane 11208-90-0 112 Pentacosafluorotridecanoic acid 1278-91-0 128 Der 2012 129 Pentalead detraoxide sulphate 12065-90-6 119 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 119 Dec 2012 121 Pentacosafluorotridecanoic acid 1276-95-9 119 Dec 2012 122 Tricosafluoroteradecanoic acid 1265-90-6 119 Dec 2012 127 Tricosafluoroteradecanoic acid 1275-55-9 119 Dec 2012 128 Dernacosafluorotridecanoic acid 128 Dernacosafluorotridecanoic acid 129 Dec 2012 129 Trilead dioxide phosphonate 120 Dernacosafluorotridecanoic acid 120		, , , , , , , , , , , , , , , , , , , ,	,		
### 4-(3-ethylheptan-2-yl)phenol; Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 90481-04-2; 4-(1,1,5-Trimethylhexyl)phenol; 521947-27-3; 19062-012 1006 11066-49-2 19062-012 1007 10		p-(1,1-dimethylheptyl)phenol;	30784-30-6;		
### 4-(3-ethylheptan-2-yl)phenol; Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 90481-04-2; 4-(1,1,5-Trimethylhexyl)phenol; 521947-27-3; 19062-012 105					
Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 90481-04-2; 4-(1,1,5-Trimethylhexyl)phenol; 521947-27-3;		Phenol, 4-nonyl-, branched;	84852-15-3;		
Nonylphenol; 25154-52-3; Phenol, nonyl-, branched; 90481-04-2; 4-(1,1,5-Trimethylhexyl)phenol; 521947-27-3;					
Phenol, nonyl-, branched; 90481-04-2; 4-(1,1,5-Trimethylhexyl)phenol; 521947-27-3; 1sononylphenol 11066-49-2 105		4-(3-ethylheptan-2-yl)phenol;	186825-39-8;		
Phenol, nonyl-, branched; 90481-04-2; 4-(1,1,5-Trimethylhexyl)phenol; 521947-27-3; 1sononylphenol 11066-49-2 105					
4-(1,1,5-Trimethylhexyl)phenol; 521947-27-3;		Nonylphenol;	25154-52-3;		
4-(1,1,5-Trimethylhexyl)phenol; 521947-27-3;		Discord around there wheel	00404 04 2		
Isononylphenol		Phenoi, nonyi-, branched;	90481-04-2;		
Isononylphenol		1/11 E Trimathylhavylahanalı	E21047 27 2.		
19 Dec 2012		4-(1,1,3-11) lettry lexy prientil	321947-27-3,		
19 Dec 2012		IsononyInhenol	11066-49-2		
106 Diethyl sulphate 19 Dec 2012 107 Dimethyl sulphate 77-78-1 19 Dec 2012 108 Lead oxide sulfate 12036-76-9 19 Dec 2012 119 Dec 2012 12060-00-3 19 Dec 2012 12060-00-3 19 Dec 2012 110 Acetic acid, lead salt, basic 51404-69-4 19 Dec 2012 111 [Phthalato(2-)]dioxotrilead 69011-06-9 19 Dec 2012 112 Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) 1163-19-5 19 Dec 2012 113 N-methylacetamide 79-16-3 19 Dec 2012 114 Dinoseb (6-sec-butyl-2,4-dinitrophenol) 88-85-7 19 Dec 2012 115 1,2-Diethoxyethane 629-14-1 19 Dec 2012 116 1,2-Diethoxyethane 629-14-1 19 Dec 2012 117 n-pentyl-isopentylphthalate 77629-69-9 19 Dec 2012 118 Dioxobis(stearatoltrilead 12578-12-0 19 Dec 2012 119 Tetraethyllead 78-00-2 19 Dec 2012 119 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 19 Dec 2012 120 Pentalead sulphate 12065-90-6 19 Dec 2012 121 Pentacosafluorotridecanoic acid 307-55-1 19 Dec 2012 122 Tricosafluoroddecanoic acid 376-06-7 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 19 Dec 2012 125 Methoxyacetic acid 625-45-6 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 19 Dec 2012 128 O-aminoazotoluene 97-56-3 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 1,4'-oxydianiline and its salts: 19 Dec 2012 1	105	, ,		_	19 Dec 2012
107 Dimethyl sulphate 77-78-1 ■ 19 Dec 2012 108 Lead oxide sulfate 12036-76-9 ■ 19 Dec 2012 109 Lead titanium trioxide 12060-00-3 ■ 19 Dec 2012 110 Acetic acid, lead salt, basic 51404-69-4 ■ 19 Dec 2012 111 [Phthalato(2-)]dioxotrilead 69011-06-9 ■ 19 Dec 2012 112 Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) 1163-19-5 ■ 19 Dec 2012 113 N-methylacetamide 79-16-3 ■ 19 Dec 2012 114 Dinoseb (6-sec-butyl-2,4-dinitrophenol) 88-85-7 ■ 19 Dec 2012 115 1,2-Diethoxyethane 629-14-1 ■ 19 Dec 2012 116 Tetralead trioxide sulphate 12202-17-4 ■ 19 Dec 2012 117 n-pentyl-isopentylphthalate 776297-69-9 ■ 19 Dec 2012 118 Dioxobis(stearato)trilead 12578-12-0 ■ 19 Dec 2012 119 Tetraethyllead 78-00-2 ■ 19 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 ■ 19 Dec 2012 121 Pentacosafluorotridecanoic acid 72629-94-8 ■ 19 Dec 2012 122 Tricosafluoroddecanoic acid 307-55-1 ■ 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 ■ 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 1,2-Benz					
108 Lead oxide sulfate 12036-76-9 ■ 19 Dec 2012 109 Lead titanium trioxide 12060-00-3 ■ 19 Dec 2012 110 Acetic acid, lead salt, basic 51404-69-4 ■ 19 Dec 2012 111 [Phthalato(2-)]dioxotrilead 69011-06-9 ■ 19 Dec 2012 112 Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) 1163-19-5 ■ 19 Dec 2012 113 N-methylacetamide 79-16-3 ■ 19 Dec 2012 114 Dinoseb (6-sec-butyl-2,4-dinitrophenol) 88-85-7 ■ 19 Dec 2012 115 1,2-Diethoxyethane 629-14-1 ■ 19 Dec 2012 116 Tetralead trioxide sulphate 12202-17-4 ■ 19 Dec 2012 117 n-pentyl-isopentylphthalate 776297-69-9 ■ 19 Dec 2012 118 Dioxobis(stearato)trilead 12578-12-0 ■ 19 Dec 2012 119 Tetraethyllead 78-00-2 ■ 19 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 ■ 19 Dec 2012 121 Pentacosafluorotridecanoic acid					
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111 [Phthalato(2-)]dioxotrilead 69011-06-9 ■ 19 Dec 2012 112 Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) 1163-19-5 ■ 19 Dec 2012 113 N-methylacetamide 79-16-3 ■ 19 Dec 2012 114 Dinoseb (6-sec-butyl-2,4-dinitrophenol) 88-85-7 ■ 19 Dec 2012 115 1,2-Diethoxyethane 629-14-1 ■ 19 Dec 2012 116 Tetralead trioxide sulphate 12202-17-4 ■ 19 Dec 2012 117 n-pentyl-isopentylphthalate 776297-69-9 ■ 19 Dec 2012 118 Dioxobis(stearato)trilead 12578-12-0 ■ 19 Dec 2012 119 Tetraethyllead 78-00-2 ■ 19 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 ■ 19 Dec 2012 121 Pentacosafluorotridecanoic acid 72629-94-8 ■ 19 Dec 2012 122 Tricosafluorododecanoic acid 37-55-1 ■ 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 ■ 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 4,4'-oxydianiline and its salts:					
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1103-19-5 19 Dec 2012 1103-19-5 19 Dec 2012 113 N-methylacetamide 79-16-3 19 Dec 2012 114 Dinoseb (6-sec-butyl-2,4-dinitrophenol) 88-85-7 19 Dec 2012 115 1,2-Diethoxyethane 629-14-1 19 Dec 2012 116 Tetralead trioxide sulphate 12202-17-4 19 Dec 2012 117 n-pentyl-isopentylphthalate 776297-69-9 19 Dec 2012 118 Dioxobis(stearato)trilead 12578-12-0 19 Dec 2012 119 Tetraethyllead 78-00-2 19 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 19 Dec 2012 121 Pentacosafluorotridecanoic acid 72629-94-8 19 Dec 2012 122 Tricosafluorododecanoic acid 307-55-1 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 19 Dec 2012 125 Methoxyacetic acid 625-45-6 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 19 Dec 2012 128 o-aminoazotoluene 97-56-3 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 4,4'-oxydianiline and its salts: 19 Dec 2012 19 Dec					
113 N-methylacetamide 79-16-3	112		1163-19-5		19 Dec 2012
114 Dinoseb (6-sec-butyl-2,4-dinitrophenol) 88-85-7 ■ 19 Dec 2012 115 1,2-Diethoxyethane 629-14-1 ■ 19 Dec 2012 116 Tetralead trioxide sulphate 12202-17-4 ■ 19 Dec 2012 117 n-pentyl-isopentylphthalate 776297-69-9 ■ 19 Dec 2012 118 Dioxobis(stearato)trilead 12578-12-0 ■ 19 Dec 2012 119 Tetraethyllead 78-00-2 ■ 19 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 ■ 19 Dec 2012 121 Pentacosafluorotridecanoic acid 72629-94-8 ■ 19 Dec 2012 122 Tricosafluorododecanoic acid 307-55-1 ■ 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 ■ 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 128 o-aminoazotoluene 97-	113		79-16-3	•	19 Dec 2012
115 1,2-Diethoxyethane 629-14-1 ■ 19 Dec 2012 116 Tetralead trioxide sulphate 12202-17-4 ■ 19 Dec 2012 117 n-pentyl-isopentylphthalate 776297-69-9 ■ 19 Dec 2012 118 Dioxobis(stearato)trilead 12578-12-0 ■ 19 Dec 2012 119 Tetraethyllead 78-00-2 ■ 19 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 ■ 19 Dec 2012 121 Pentacosafluorotridecanoic acid 72629-94-8 ■ 19 Dec 2012 122 Tricosafluorododecanoic acid 307-55-1 ■ 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 ■ 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■	114		88-85-7	•	19 Dec 2012
116 Tetralead trioxide sulphate 12202-17-4 ■ 19 Dec 2012 117 n-pentyl-isopentylphthalate 776297-69-9 ■ 19 Dec 2012 118 Dioxobis(stearato)trilead 12578-12-0 ■ 19 Dec 2012 119 Tetraethyllead 78-00-2 ■ 19 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 ■ 19 Dec 2012 121 Pentacosafluorotridecanoic acid 72629-94-8 ■ 19 Dec 2012 122 Tricosafluorododecanoic acid 307-55-1 ■ 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 ■ 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and					
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119 Tetraethyllead 78-00-2 ■ 19 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 ■ 19 Dec 2012 121 Pentacosafluorotridecanoic acid 72629-94-8 ■ 19 Dec 2012 122 Tricosafluorododecanoic acid 307-55-1 ■ 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 ■ 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 84777-06-0 ■ 19 Dec 2012 130 4,4'-oxydianiline and its salts: - 19 Dec 2012	117		776297-69-9		19 Dec 2012
119 Tetraethyllead 78-00-2 ■ 19 Dec 2012 120 Pentalead tetraoxide sulphate 12065-90-6 ■ 19 Dec 2012 121 Pentacosafluorotridecanoic acid 72629-94-8 ■ 19 Dec 2012 122 Tricosafluorododecanoic acid 307-55-1 ■ 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 ■ 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 84777-06-0 ■ 19 Dec 2012 130 4,4'-oxydianiline and its salts: - 19 Dec 2012	118	Dioxobis(stearato)trilead	12578-12-0		19 Dec 2012
121 Pentacosafluorotridecanoic acid 72629-94-8 ■ 19 Dec 2012 122 Tricosafluorododecanoic acid 307-55-1 ■ 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 ■ 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 84777-06-0 ■ 19 Dec 2012 130 4,4'-oxydianiline and its salts: - ■ 19 Dec 2012	119	Tetraethyllead	78-00-2	•	
122 Tricosafluorododecanoic acid 307-55-1 ■ 19 Dec 2012 123 Heptacosafluorotetradecanoic acid 376-06-7 ■ 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 84777-06-0 ■ 19 Dec 2012 130 4,4'-oxydianiline and its salts: - ■ 19 Dec 2012	120	Pentalead tetraoxide sulphate	12065-90-6		 19 Dec 2012
123 Heptacosafluorotetradecanoic acid 376-06-7 ■ 19 Dec 2012 124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 84777-06-0 ■ 19 Dec 2012 4,4'-oxydianiline and its salts: - ■ 19 Dec 2012	121	Pentacosafluorotridecanoic acid	72629-94-8		 19 Dec 2012
124 1-bromopropane (n-propyl bromide) 106-94-5 ■ 19 Dec 2012 125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 84777-06-0 ■ 19 Dec 2012 4,4'-oxydianiline and its salts: - ■ 19 Dec 2012	122	Tricosafluorododecanoic acid	307-55-1		 19 Dec 2012
125 Methoxyacetic acid 625-45-6 ■ 19 Dec 2012 126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 84777-06-0 ■ 19 Dec 2012 4,4'-oxydianiline and its salts: - ■ 19 Dec 2012	123	-	376-06-7		19 Dec 2012
126 Methyloxirane (Propylene oxide) 75-56-9 ■ 19 Dec 2012 127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 84777-06-0 ■ 19 Dec 2012 4,4'-oxydianiline and its salts: - ■ 19 Dec 2012	124		106-94-5		19 Dec 2012
127 Trilead dioxide phosphonate 12141-20-7 ■ 19 Dec 2012 128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 84777-06-0 ■ 19 Dec 2012 4,4'-oxydianiline and its salts: - ■ 19 Dec 2012				•	
128 o-aminoazotoluene 97-56-3 ■ 19 Dec 2012 129 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 84777-06-0 ■ 19 Dec 2012 4,4'-oxydianiline and its salts: - ■ 19 Dec 2012					
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129 linear 84/7/-06-0 19 Dec 2012 130 4,4'-oxydianiline and its salts:	128		97-56-3	•	19 Dec 2012
130 Innear	129		84777-06-0	•	19 Dec 2012
130 ■ 19 Dec 2012			0	_	10 200 2012
		4,4'-oxydianiline and its salts:	-		
4,4'-oxygianiline 101-80-4	130	A Al acceptantity	404.00.4	•	19 Dec 2012
		4,4 -oxydianiline	101-80-4		

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131	Orange lead (lead tetroxide)	1314-41-6		19 Dec 2012
132	Biphenyl-4-ylamine	92-67-1		19 Dec 2012
133	Diisopentyl phthalate	605-50-5		19 Dec 2012
134	Fatty acids, C16-18, lead salts	91031-62-8		19 Dec 2012
135	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	•	19 Dec 2012
136	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	•	19 Dec 2012
137	Sulfurous acid, lead salt, dibasic	62229-08-7	•	19 Dec 2012
138	Lead cyanamidate	20837-86-9	•	19 Dec 2012

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 54 new substances that go into its products as of the date of 19th December 2012 disclosure of REACH compliance.

Amendment I

On 19th June 2013, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of 20th June 2013, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
139	Cadmium	7440-43-9			20 Jun 2013
140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	•		20 Jun 2013
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1			20 Jun 2013
142	Dipentyl phthalate (DPP)	131-18-0			20 Jun 2013
	2-[2-(4-nonylphenoxy)ethoxy]ethanol;	20427-84-3;			

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0.50.50.50.74	7244 27 5	
2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol;	7311-27-5;	
Nonylphenol, ethoxylated (8-EO);	9016-45-9;	
Nonylphenol, ethoxylated (10-EO);	9016-45-9;	
Poly(oxy-1,2-ethanediyl), α -(nonylphenyl)- ω -hydroxy;	9016-45-9;	
14-(nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol;	26264-02-8;	
26-(nonylphenoxy)-3,6,9,12,15,18,21,24- octaoxahexacosan-1-ol;	26571-11-9;	
2-[2-(nonylphenoxy)ethoxy]ethanol;	27176-93-8;	
20-(nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol;	27177-03-3;	
23-(nonylphenoxy)-3,6,9,12,15,18,21-heptaoxatricosan-1-ol;	27177-05-5;	
29-(nonylphenoxy)-3,6,9,12,15,18,21,24,27- nonaoxanonacosanol;	27177-08-8;	
2-(nonylphenoxy)ethanol;	27986-36-3;	
26-(nonylphenoxy)-3,6,9,12,15,18,21,24- octaoxahexacosan-1-ol;	42173-90-0;	
44-(nonylphenoxy)- 3,6,9,12,15,18,21,24,27,30,33,36,39,42- tetradecaoxatetratetracontanol;	57321-10-5;	
20-(isononylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol;	65455-69-8;	
4-Nonylphenol, branched, ethoxylated;	127087-87-0;	
Nonylphenolpolyglycolether;	-	
2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol;	1119449-37-	
Isononylphenol, ethoxylated;	4; 37205-87-1;	
17-(4-nonylphenoxy)-3,6,9,12,15-pentaoxaheptadecan-1-ol;	34166-38-6;	
4-Nonylphenol, branched, ethoxylated;	127087-87-0;	
2-(isononylphenoxy)ethanol;	284-987-5;	
3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-, branched;	91648-64-5;	
3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29- (isononylphenoxy);	65455-72-3;	
3,6,9,12,15-Pentaoxaheptadecan-1-ol, 17-(nonylphenoxy);	27177-01-1;	
3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy);	20636-48-0;	







	4-t-Nonylphenol-diethoxylate;	156609-10-8;		
	2-(4-nonylphenoxy)ethanol;	104-35-8;		
	Nonylphenol, ethoxylated (EO = 10);	-		
	2-{2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy}ethanol;	1119449-38-		
	Nonylphenol, ethoxylated (polymer);	5; -		
	Nonylphenol, ethoxylated (EO = 4)	-		
	Cadmium oxide:	1306-19-0;		
144			•	20 Jun 2013
	Monteponite (CdO)	12139-21-8		

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 6 new substances that go into its products as of the date of 20th June 2013 disclosure of REACH compliance.

Amendment J

On 10th December 2013, the European Chemicals Agency (ECHA) announced 7 new substances identified as potential Substances of Very High Concern (SVHC). As of 16th December 2013, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
145	Cadmium sulphide	1306-23-6			16 Dec 2013
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminona phthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	•		16 Dec2013
147	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphe nyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulpho nate (C.I. Direct Black 38)	1937-37-7	•		16 Dec 2013
148	Dihexyl phthalate	84-75-3			16 Dec 2013
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7			16 Dec2013
150	Lead di(acetate)	301-04-2			16 Dec 2013
151	Trixylyl phosphate	25155-23-1			16 Dec 2013

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 7 new substances that go into its products as of the date of 16th December 2013 disclosure of REACH compliance.

Amendment K

On 16th June 2013, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 16th June 2013, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
	Cadmium chloride:	10108-64-2;			
152			•		16 Jun 2014
	cadmium chloride (CdCl2), hydrate (2:5)	7790-78-5			
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and	68515-50-4	_		1C lum 2014
153	linear	00313-30-4	•		16 Jun 2014



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154	Sodium peroxometaborate	7632-04-4			16 Jun 2014
	Sodium perborate; perboric acid, sodium salt:	-			
	Perboric acid, sodium salt, tetrahydrate ();	37244-98-7;			
	Perboric acid (HBO(O2)), sodium salt, tetrahydrate;	10486-00-7;			
	Sodium perborate monohydrate;	10332-33-9;			
455	Sodium perborate;	15120-21-5;			461 2044
155	Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2);	90568-23-3;	•		16 Jun 2014
	Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6);	125022-34-6;			
	Perboric acid, sodium salt;	11138-47-9;			
	Perboric acid (H3BO2(O2)), monosodium salt, trihydrate	13517-20-9			

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 4 new substances that go into its products as of the date of 16th June 2014 disclosure of REACH compliance.

Amendment L

On 17th December 2014, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of 17th December 2014, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
	Cadmium sulphate:	10124-36-4;			
		31119-53-6;			
156	Sulfuric acid, cadmium salt, hydrate (3:3:8);	7790-84-3;	•		17 Dec 2014
	Sulfuric acid, cadmium salt (1:1), hydrate	15244-35-6			
157	Cadmium fluoride	7790-79-6			17 Dec 2014
158	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphe nol (UV-328)	25973-55-1			17 Dec 2014
	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-				
	8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl				
159	10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-	-	•		17 Dec 2014
	7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction				
	mass of DOTE and MOTE)				
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia- 4-	15571-58-1			17 Dec 2014
100	stannatetradecanoate (DOTE)	133/1-30-1	•		17 Dec 2014
161	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7			17 Dec 2014

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 6 new substances that go into its products as of the date of 17th December 2014 disclosure of REACH compliance.



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Amendment M

On 15th June 2015, the European Chemicals Agency (ECHA) announced 2 new substances identified as potential Substances of Very High Concern (SVHC). As of 15th June 2014, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or	-			
	mixed decyl and hexyl and octyl diesters				
	with \geq 0.3% of dihexyl phthalate (EC No. 201-559-5):				
162			•		15 Jun 2015
	1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and	68648-93-1;			
	octyl diesters;				
	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl ester	68515-51-5			
	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:				
	4.2 Diagram 2.72.4 dispathed 2 goalsh area 4.00 F goathed	406200 20 4			
	1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-	186309-28-4;			
	5-(1-methylpropyl);				
	1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-	117933-89-8;			
	5-(1-methylpropyl);	117500 05 0,			
	()				
	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-	343934-04-3;			
	methyl-5-(1-methylpropyl)-, cis-rel;				
	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-	676367-09-2;			
	methyl-5-(1-methylpropyl)-, trans;				
	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-	343934-05-4;			
	methyl-5-(1-methylpropyl)-, trans-rel;				
	, , , , , , ,				
163	1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-	676367-04-7;	_		15 Jun 2015
103	methyl-5-(1-methylpropyl)-, cis;		-		13 Juli 2013
	4.2 Diagram 2. [/4D 20] 2.4 diagraphy 4.2 graphs are a 4.41 5.	676267.00.4			
	1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans;	676367-08-1;			
	methyl-5-(1-methylpropyl)-, trans,				
	1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-	676367-03-6;			
	methyl-5-(1-methylpropyl)-, cis;				
	1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-	676367-07-0;			
	methyl-5-(1-methylpropyl)-, trans;				
İ	1.2 Diovano 2 [/15.25] 2.4 dimothyl 2 gyalahayan 1	676267 02 5			
	1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis;	676367-02-5;			
	πετηνί-σ-(±-ιπετηνιριοργή-, cis,				
	1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-	676367-06-9;			
	methyl-5-(1-methylpropyl)-, trans;				
	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-	I	<u> </u>		





dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane;			
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane;	-		
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane;	-		
Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane;	-		
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis	676367-05-8		

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 2 new substances that go into its products as of the date of 15th June 2015 disclosure of REACH compliance.

Amendment N

On 22nd January 2016, the European Chemicals Agency (ECHA) announced 5 new substances identified as potential Substances of Very High Concern (SVHC). As of 17th December 2015 these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
164	1,3-propanesultone	1120-71-4			17 Dec 2015
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	•		17 Dec 2015
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl-phenol (UV-350)	36437-37-3	•		17 Dec 2015
167	Nitrobenzene	98-95-3			17 Dec 2015
	Perfluorononan-1-oic-acid and its sodium and ammonium salts:	-			
168	Ammonium salts of perfluorononan-1-oic-acid;	4149-60-4;	•		17 Dec 2015
	Perfluorononan-1-oic-acid;	375-95-1;			
	Sodium salts of perfluorononan-1-oic-acid	21049-39-8			

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 5 new substances that go into its products as of the date of 22nd January 2016 disclosure of REACH compliance.

Amendment O

On 11th July 2016, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 20th June 2016, this substance was formally added to the Candidate List, as per list below: -



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No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
169	Benzo[def]chrysene (Benzo[a]phenol)	50-32-8			20 Jun 2016

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 1 new substance that go into its products as of the date of 20th June 2016 disclosure of REACH compliance.

Amendment P

On 12th January 2017, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 12th January 2017, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
170	p-(1,1-dimethylpropyl)phenol	80-46-6			12 Jan 2017
	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts:	-			
171	Nonadecafluorodecanoic acid;	335-76-2;	•		12 Jan 2017
	sodium nonadecafluorodecanoate;	3830-45-3;			
	Ammonium nonadecafluorodecanoate	3108-42-7			
	4-heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof:	-			
	Phenol, heptyl derivs.;	72624-02-3;			
	4-(2,3,3-trimethylbutan-2-yl)phenol;	72861-06-4;			
	4-(2,4-dimethylpentan-2-yl)phenol;	33104-11-9;			
	4-(3-ethylpentan-3-yl)phenol;	37872-24-5;			
	4-(2-methylhexan-2-yl)phenol;	30784-31-7;			
172	4-(3,3-dimethylpentan-2-yl)phenol;	911371-06-7;	•		12 Jan 2017
	4-(3-methylhexan-2-yl)phenol;	854904-93-1;			
	4-(4,4-dimethylpentan-2-yl)phenol;	911371-07-8;			
	4-(4-methylhexan-2-yl)phenol;	71945-81-8;			
	4-(3-methylhexan-3-yl)phenol;	30784-32-8;			
	4-(2,2-dimethylpentan-3-yl)phenol;	861010-65-3;			
	4-(5-methylhexan-3-yl)phenol;	854904-92-0;			
	4-(heptan-3-yl)phenol;	6465-74-3;			
	4-(heptan-2-yl)phenol;	6863-24-7;			

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	4-(heptan-4-yl)phenol;	6465-71-0;		
	4-(3-ethylpentyl)phenol;	911370-98-4;		
	4-(3-methylhexyl)phenol;	102570-52-5;		
	4-(4-methylhexyl)phenol;	1139800-98-		
	4-(5-methylhexyl)phenol;	8; 100532-36-3;		
	4-(2,4-dimethylpentan-3-yl)phenol;	1824346-00-		
	4-(2,3-dimethylpentan-2-yl)phenol;	0; 861011-60-1;		
	Phenol, 4-(1-ethyl-1,2-dimethylpropyl);	30784-27-1;		
	Phenol, 4-tert-heptyl;	288864-02-8;		
	4-(5-methylhexan-2-yl)phenol	857629-71-1		
173	4,4'-isopropylidenediphenol Bisphenol A; BPA	80-05-7	•	12 Jan 2017

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 4 new substances that go into its products as of the date of 12th January 2017, disclosure of REACH compliance.

Amendment Q

On 7^{th} July 2017, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 7^{th} July 2017, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
174	Perfluorohexane-1-sulphonic acid and its salts PFHxS:	-			
	ammonium perfluorohexane-1-sulphonate;	68259-08-5;			
	perfluorohexane-1-sulphonic acid;	355-46-4;			
	tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1);	70225-16-0;			
	potassium perfluorohexane-1-sulphonate;	3871-99-6;	•		07 Jul 2017
	N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate;	108427-55-0;			
	Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);	1000597-52- 3;			
	Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4- (ethylamino)-1-naphthalenyl]methylene]-2,5- cyclohexadien-1-ylidene]-N-ethyl-,	1310480-24- 0;			



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1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);		
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;	
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;	
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1);	1329995-45- 0;	
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;	
Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);	144116-10-9;	
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;	
lodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-1-hexanesulfonate (1:1);	153443-35-7;	
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;	
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;	
lodonium, 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;	
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI);	341035-71-0;	
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;	
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;	
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;	
	41242-12-0;	





	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-		
	tridecafluoro-, yttrium(3+) salt (3:1);		
		421555-73-9;	
	Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with	121333 73 3,	
	1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic		
	acid (1:2);		
		421555-74-0;	
	lodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with		
	1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic;		
	Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-,	425670-70-8;	
	1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate		
	(1:1);		
		55120-77-9;	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-	, ,	
	tridecafluoro-, lithium salt (1:1);		
	thaccanaoro , ittiiam sait (1.1),	70136-72-0;	
	1 Hovenosulfonia acid 1 1 2 2 2 4 4 5 5 C C	/0130-/2-0,	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-		
	tridecafluoro-, zinc salt;	72022 44 4	
		72033-41-1;	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-		
	tridecafluoro-, compd. with N,N-diethylethanamine (1:1);		
		82382-12-5;	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-		
	tridecafluoro-, sodium salt;		
		866621-50-3;	
	lodonium, 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);		
	acia (1.1) (5ci),	910606-39-2;	
	Sulfonium, (4-methylphenyl)diphenyl-,	310000-33-2,	
	1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate		
	(1:1);		
		911027-68-4;	
	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);		
		911027-69-5;	
	Sulfonium, [4-[(2-methyl-1-oxo-2-		
	propenyl)oxy]phenyl]diphenyl-, salt with		
	1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic		
	acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]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;	400427.54.0	
		108427-54-9;	
	N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-		
	sulfonate;		
		928049-42-7;	
	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);		
	\//	92011-17-1;	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-	J2011 1/ 1,	
	tridecafluoro-, cesium salt (1:1);	1107017 57 7	
i		1187817-57-7	1





1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-		
tridecafluoro-, compd. With pyrrolidine (1:1)		

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 1 new substance that go into its products as of the date of 7th July 2017, disclosure of REACH compliance.

Amendment R

On 15th January 2018, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of 15th January 2018, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
	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-	-			
175	HPbl):	1471311-26-	•		15 Jan 2018
	Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.;	8;			
	Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine	93925-00-9			
176	Chrysene	218-01-9;			15 Jan 2018
177	Cadmium nitrate	10325-94-7			15 Jan 2018
178	Cadmium hydroxide	21041-95-2			15 Jan 2018
179	Cadmium carbonate	513-78-0			15 Jan 2018
180	Benz[a]anthracene	56-55-3;			15 Jan 2018

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 6 new substances that go into its products as of the date of 15th January 2018 disclosure of REACH compliance.

Amendment S

On 15th January 2018, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 15th January 2018, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
181	1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca- 7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof: (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 ,1 ³ .0 ⁵ ,1 ⁰]octadeca- 7,15-diene 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;	- 135821-03-3;	•		15 Jan 2018



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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;	13560-89-9;	
(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; rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-	135821-74-8;	
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;		
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	-	

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 1 new substance that go into its products as of the date of 15th January 2018 disclosure of REACH compliance.

Amendment T

On 27th June 2018, the European Chemicals Agency (ECHA) announced 10 new substances identified as potential Substances of Very High Concern (SVHC). As of 27th June 2018, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
182	Terphenyl, hydrogenated	61788-32-7			27 Jun 2018
183	Octamethylcyclotetrasiloxane	556-67-2			27 Jun 2018
184	Lead	7439-92-1			27 Jun 2018
185	Ethylenediamine	107-15-3			27 Jun 2018
186	Dodecamethylcyclohexasiloxane	540-97-6			27 Jun 2018
187	Disodium octaborate	12008-41-2			27 Jun 2018
188	Dicyclohexyl phthalate	84-61-7			27 Jun 2018
189	Decamethylcyclopentasiloxane	541-02-6			27 Jun 2018
190	Benzo[ghi]perylene	191-24-2			27 Jun 2018
191	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	552-30-7			27 Jun 2018

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 10 new substances that go into its products as of the date of 27th June 2018 disclosure of REACH compliance.

Amendment U

On 15th January 2018, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of 15th January 2018, these substances were formally added to the Candidate List, as per list below: -



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No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
192	Pyrene	129-00-0	•		15 Jan 2019
193	Phenanthrene	85-01-8	•		15 Jan 2019
194	Fluoranthene	206-44-0	-		15 Jan 2019
195	Benzo[k]fluoranthene	207-08-9	•		15 Jan 2019
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	-		15 Jan 2019
	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-				
197	2-one	15087-24-8	•		15 Jan 2019
	3-benzylidene camphor; 3-BC				

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 6 new substances that go into its products as of the date of 15th January 2019 disclosure of REACH compliance.

Amendment V

On 15th July 2018, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 16th July 2019, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof;	-			
	ammonium 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propanoate;	62037-80-3;			
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride;	2062-98-8;	_		16 Jul 2019
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid;	13252-13-6;	•		16 Jul 2019
	potassium 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propionate;	67118-55-2;			
	Propanoic acid, 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)-, (+);	75579-39-4;			
	Propanoic acid, 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)-, (-)	75579-40-7			
199	2-methoxyethyl acetate	110-49-6			16 Jul 2019
200	4-tert-butylphenol	98-54-4			16 Jul 2019
	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP):	-			
	Tris(nonylphenyl) phosphite;	26523-78-4;			
201	Phenol, 4-nonyl-, phosphite (3:1);	3050-88-2;	•		16 Jul 2019
	tris(4-nonylphenyl, branched) phosphite;	-			
	Phenol, p-isononyl-, phosphite (3:1);	31631-13-7;			
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Pher	ol, p-sec-nonyl-, phosphite	106599-06-8		

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 4 new substances that go into its products as of the date of 16th July 2019 disclosure of REACH compliance.

Amendment W

On 16th January 2020, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 16th January 2020, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
	Perfluorobutane sulfonic acid (PFBS) and its salts:	-			
	N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate;	25628-08-4;			
	magnesium perfluorobutanesulfonate;	507453-86-3;			
	lithium perfluorobutanesulfonate;	131651-65-5;			
	morpholinium perfluorobutanesulfonate;	503155-89-3;			
	1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid;	375-73-5;			
202	Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate;	68259-10-9;	-		16 Jan 2020
	tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate;	220689-12-3;			
	dimethyl(phenyl)sulfanium perfluorobutanesulfonate;	220133-51-7;			
	1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate;	-			
	Triphenylsulfanium perfluorobutane sulfonate;	144317-44-2;			
	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate;	29420-49-3;			
	bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate	194999-85-4			
203	Diisohexyl phthalate	71850-09-4			16 Jan 2020
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5			16 Jan 2020
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1			16 Jan 2020

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 4 new substances that go into its products as of the date of 16th January 2020 disclosure of REACH compliance.



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Amendment X

On 25th June 2020, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 25th June 2020, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
206	1-vinylimidazole	1072-63-5			25 Jun 2020
207	2-methylimidazole	693-98-1	•		25 Jun 2020
208	butyl 4-hydroxybenzoate	94-26-8			25 Jun 2020
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4			25 Jun 2020

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 4 new substances that go into its products as of the date of 26th June 2020 disclosure of REACH compliance.

Amendment Y

On 19th January 2021, the European Chemicals Agency (ECHA) announced 2 new substances identified as potential Substances of Very High Concern (SVHC). As of 19th January 2021, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
210	Dioctyltin dilaurate 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: dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.:	-	•		19 Jan 2021
	Stannane, dioctyl-, bis(coco acyloxy) derivs.; Dioctyltin dilaurate	91648-39-4; 3648-18-8			
211	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8			19 Jan 2021

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 2 new substances that go into its products as of the date of 19th January 2021 disclosure of REACH compliance.

Amendment Z

On 8th July 2021, the European Chemicals Agency (ECHA) announced 8 new substances identified as potential Substances of Very High Concern (SVHC). As of 8th July 2021, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
212	1,4-dioxane	123-91-1			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):	-	•		08 Jul 2021
	2,2-bis(bromomethyl)propane-1,3-diol (BMP);	3296-90-0;			
	2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA);	36483-57-5;			



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	3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA);	1522-92-5;		
	2,3-dibromo-1-propanol (2,3-DBPA)	96-13-9		
	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers:	-		
214	(2R)-3-(4-tert-butylphenyl)-2-methylpropanal;	75166-31-3;	•	08 Jul 2021
	2-(4-tert-butylbenzyl)propionaldehyde;	80-54-6;		
	(2S)-3-(4-tert-butylphenyl)-2-methylpropanal	75166-30-2		
215	4,4'-(1-methylpropylidene)bisphenol	77-40-7		08 Jul 2021
216	Glutaral	111-30-8	•	08 Jul 2021
	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:	-		
217	di-, tri- and tetrachlorotetradecane;	-	•	08 Jul 2021
	Alkanes, C14-17, chloro;	85535-85-9;		
	Tetradecane, chloro derivs.;	198840-65-2;		
	Alkanes, C14-16, chloro	1372804-76-6		
	Orthoboric acid, sodium salt:	-		
	Boric acid, sodium salt;	1333-73-9;		
	Orthoboric acid, sodium salt;	13840-56-7;		
218	boric acid (H3BO3), sodium salt, hydrate;	25747-83-5;	•	08 Jul 2021
	boric acid (H3BO3), sodium salt (1:1);	14890-53-0;		
	Boric acid (H3BO3), disodium salt;	22454-04-2;		
	Trisodium orthoborate	14312-40-4		
	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP):	-		
	4-isododecylphenol;	27459-10-5;		
219	Phenol, tetrapropylene;	57427-55-1;	•	08 Jul 2021
	Phenol, 4-dodecyl, branched;	210555-94-5;		
	Phenol, (tetrapropenyl) derivatives;	74499-35-7;		
	Phenol, 4-isododecyl;	27147-75-7;		
	Phenol, dodecyl-, branched	121158-58-5		

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 8 new substances that go into its products as of the date of 8th July 2021 disclosure of REACH compliance.



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Amendment A1

On 17th January 2022, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 17th January 2022, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
	(±)-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):				
	(±)-1,7,7-trimethyl-3-[(4-				
	methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one;	36861-47-9;			
	(3E)-1,7,7-trimethyl-3-(4-				
	methylbenzylidene)bicyclo[2.2.1]heptan-2-one;	1782069-81-			
		1;			
	(1R,3E,4S)-1,7,7-trimethyl-3-(4-				
220	methylbenzylidene)bicyclo[2.2.1]heptan-2-one;		-		17 Jan 2022
		95342-41-9;			
	(1S,3E,4R)-1,7,7-trimethyl-3-(4-	050544 00 4			
	methylbenzylidene)bicyclo[2.2.1]heptan-2-one;	852541-30-1;			
	(1R,3Z,4S)-1,7,7-trimethyl-3-(4-				
	methylbenzylidene)bicyclo[2.2.1]heptan-2-one;	852541-21-0;			
	(1R,4S)-1,7,7-trimethyl-3-(4-				
	methylbenzylidene)bicyclo[2.2.1]heptan-2-one;	741687-98-9;			
	(1S,3Z,4R)-1,7,7-trimethyl-3-(4-				
	methylbenzylidene)bicyclo[2.2.1]heptan-2-one	852541-25-4			
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	•		17 Jan 2022
	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or				
222	isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-	255881-94-8	-		17 Jan 2022
	ethylhexyl) phosphorodithioate				
223	tris(2-methoxyethoxy)vinylsilane	1067-53-4			17 Jan 2022

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 4 new substances that go into its products as of the date of 17th January 2022 disclosure of REACH compliance.

Amendment B1

On 10th June 2022, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 10th June 2022, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
224	N-(hydroxymethyl)acrylamide	924-42-5			10 Jun 2022

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 1 new substance that go into its products as of the date of 10th June 2022 disclosure of REACH compliance.



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Amendment C1

On 17th January 2023, the European Chemicals Agency (ECHA) announced 9 new substances identified as potential Substances of Very High Concern (SVHC). As of 17th January 2023, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
225	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	-	•		17 Jan 2023
	Perfluoroheptanoic acid and its salts: Ammonium perfluoroheptanoate;	- 6130-43-4			
226	potassium perfluoroheptanoate;	21049-36-5	•		17 Jan 2023
	Perfluoroheptanoic acid;	375-85-9			
	Sodium perfluoroheptanoate	20109-59-5			
227	Melamine	108-78-1			17 Jan 2023
228	Isobutyl 4-hydroxybenzoate	4247-02-3			17 Jan 2023
229	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof:	- 20040 54 7	•		17 Jan 2023
220	Bis(2-ethylhexyl) tetrabromophthalate Barium diboron tetraoxide	26040-51-7 13701-59-2	_		17 Ion 2022
230			_		17 Jan 2023
231	4,4'-sulphonyldiphenol	80-09-1	•		17 Jan 2023
232	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	-		17 Jan 2023
233	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1			17 Jan 2023

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 9 new substances that go into its products as of the date of 17th January 2023 disclosure of REACH compliance.

Amendment D1

On 14^{th} June 2023, the European Chemicals Agency (ECHA) announced 2 new substances identified as potential Substances of Very High Concern (SVHC). As of 14^{th} June 2023, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8			14 Jun 2023
235	Bis(4-chlorophenyl) sulphone	80-07-9			14 Jun 2023

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 2 new substances that go into its products as of the date of 14th June 2023 disclosure of REACH compliance.



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Amendment E1

On 23rd January 2024, the European Chemicals Agency (ECHA) announced 5 new substances identified as potential Substances of Very High Concern (SVHC). As of 23rd January 2024, these substances were formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
236	Oligomerisation and alkylation reaction products of 2- phenylpropene and phenol:	-	•		23 Jan 2024
	Phenol, methylstyrenated	68512-30-1			
237	Bumetrizole (UV-326)	3896-11-5	•		23 Jan 2024
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-	119344-86-4	_		23 Jan 2024
236	(morpholin-4-yl)phenyl]butan-1-one	119544-00-4			25 JdH 2024
239	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-	3147-75-9			23 Jan 2024
239	tetramethylbutyl)phenol (UV-329)	5147-75-9	-		25 JdH 2024
240	2,4,6-tri-tert-butylphenol	732-26-3			23 Jan 2024

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 5 new substances that go into its products as of the date of 23rd January 2024 disclosure of REACH compliance.

Amendment F1

On 27th June 2024, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 27th June 2024, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3			27 Jun 2024

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 1 new substance that go into its products as of the date of 27th June 2024 disclosure of REACH compliance.

Amendment G1

On 7th November 2024, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 7th November 2024, this substance was formally added to the Candidate List, as per list below: -

No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
242	Triphenyl phosphate	115-86-6			07 Nov 2024

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 1 new substance that go into its products as of the date of 7th November 2024 disclosure of REACH compliance.

Amendment H1

On 21st January 2025, the European Chemicals Agency (ECHA) announced 5 new substances identified as potential Substances of Very High Concern (SVHC). As of 21st January 2025, these substances were formally added to the Candidate List, as per list below: -



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No.	Substance Name	CAS NO.	Not Used	Used	Date of Inclusion
243	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	•		21 Jan 2025
244	Perfluamine	338-83-0			21 Jan 2025
245	Octamethyltrisiloxane	107-51-7			21 Jan 2025
246	O,O,O-triphenyl phosphorothioate	597-82-0	•		21 Jan 2025
247	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8			21 Jan 2025

This updated status is based on Carclo Optics' understanding of REACH and Carclo Optics' knowledge of the 5 new substances that go into its products as of the date of 21st January 2025 disclosure of REACH compliance.

For and on behalf of **Carclo Optics Limited.**

Signature:

Hollie Evans • Quality Manager

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