

CTC-024 REACH Compliance

Compliance Verification Date: 03-12-2024

Overview

REACH stands for Registration, Evaluation, Authorization, and Restriction of Chemicals. It is a regulation of the European Union, adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals, while enhancing the competitiveness of the EU chemicals industry. In principle, REACH applies to all chemical substances; not only those used in industrial processes but also in our day-to-day lives.

REACH created the European Chemicals Agency (ECHA) which has an essential coordination role in the overall regulation process. Located in Helsinki, Finland the ECHA manages the registration, evaluation, authorization and restriction processes for chemical substances to ensure consistency across the countries in which REACH applies.

InterFET Corporation does not currently manufacture or import any chemical substances into the EU on their own or in quantities of 1 ton or more per year. In addition, imported InterFET materials do not contain chemical substances intended to be released during the normal and reasonably foreseeable conditions of the product's use as defined by the REACH regulation.

Unpackaged Part Compliance

An InterFET unpackaged part is defined as a raw wafer, or individual wafer packed die in a COT or CFT configuration. All InterFET unpackaged end products meet the requirements published in accordance with the SVHC candidate list of substances provided by the European Chemical Agency (ECHA) on 23/01/2024 and do not exceed the specified limitation for the 240 Substances of Very High Concern (SVHC). A summary of the materials tested and conditions are outlined in the accompanying SVHC Table I.

Packaged Part Compliance

An InterFET packaged part includes all metal case and plastic encapsulated part offerings. Typical InterFET metal case parts include TO-18, TO-71, and TO-78 parts. Typical InterFET plastic encapsulated parts include TO-92, SOT23, SC70-5 and SOIC8 parts. All InterFET packaged end products meet the requirements published in accordance with the SVHC candidate list of substances provided by the European Chemical Agency (ECHA) on 23/01/2024 and do not exceed the specified limitation for the 240 Substances of Very High Concern (SVHC). A summary of the materials tested, and conditions are outlined in the accompanying SVHC Table I.



Disclaimer: It is the Buyers responsibility for designing, validating and testing the end application under all field use cases and extreme use conditions. Guaranteeing the application meets required standards, regulatory compliance, and all safety and security requirements is the responsibility of the Buyer. These resources are subject to change without notice.

Table I: REACH Substances of Very High Concern (SVHC)

Index	Chemical Name	EC Number	Metal Case	Plastic Parts
1	Triethyl arsenate	427-700-2	ND ⁽¹⁾	ND ⁽¹⁾
2	Sodium dichromate	234-190-3	ND ⁽¹⁾	ND ⁽¹⁾
3	Lead hydrogen arsenate	232-064-2	ND ⁽¹⁾	ND ⁽¹⁾
4	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4, 221-695-9	ND ⁽¹⁾	ND ⁽¹⁾
5	Dibutyl phthalate (DBP)	201-557-4	ND ⁽¹⁾	ND ⁽¹⁾
6	Diarsenic trioxide	215-481-4	ND ⁽¹⁾	ND ⁽¹⁾
7	Diarsenic pentaoxide	215-116-9	ND ⁽¹⁾	ND ⁽¹⁾
8	Bis(tributyltin) oxide (TBTO)	200-268-0	ND ⁽¹⁾	ND ⁽¹⁾
9	Benzyl butyl phthalate (BBP)	201-622-7	ND ⁽¹⁾	ND ⁽¹⁾
10	Anthracene	204-371-1	ND ⁽¹⁾	UMBL ⁽²⁾
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	ND ⁽¹⁾	ND ⁽¹⁾
12	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	ND ⁽¹⁾	ND ⁽¹⁾
13	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	ND ⁽¹⁾	ND ⁽¹⁾
14	Tris(2-chloroethyl)phosphate	204-118-5	ND ⁽¹⁾	ND ⁽¹⁾
15	Pitch, coal tar, high temp.	266-028-2	ND ⁽¹⁾	ND ⁽¹⁾
16	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	ND ⁽¹⁾	ND ⁽¹⁾
17	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	ND ⁽¹⁾	ND ⁽¹⁾
18	Lead chromate	231-846-0	ND ⁽¹⁾	ND ⁽¹⁾
19	Diisobutyl phthalate (DIBP)	201-553-2	ND ⁽¹⁾	ND ⁽¹⁾
20	Anthracene oil, anthracene-low	292-604-8	ND ⁽¹⁾	ND ⁽¹⁾
21	Anthracene oil, anthracene paste, distn. lights	295-278-5	ND ⁽¹⁾	ND ⁽¹⁾
22	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	ND ⁽¹⁾	ND ⁽¹⁾
23	Anthracene oil, anthracene paste	292-603-2	ND ⁽¹⁾	ND ⁽¹⁾
24	Anthracene oil	292-602-7	ND ⁽¹⁾	ND ⁽¹⁾
25	2,4-Dinitrotoluene (2,4-DNT)	204-450-0	ND ⁽¹⁾	ND ⁽¹⁾
26	Acrylamide	201-173-7	ND ⁽¹⁾	ND ⁽¹⁾
27	Trichloroethylene	201-167-4	ND ⁽¹⁾	ND ⁽¹⁾
28	Tetraboron disodium heptaoxide, hydrate	235-541-3	ND ⁽¹⁾	ND ⁽¹⁾
29	Sodium chromate	231-889-5	ND ⁽¹⁾	ND ⁽¹⁾
30	Potassium dichromate	231-906-6	ND ⁽¹⁾	ND ⁽¹⁾
31	Potassium chromate	232-140-5	ND ⁽¹⁾	ND ⁽¹⁾
32	Disodium tetraborate, anhydrous	215-540-4	ND ⁽¹⁾	ND ⁽¹⁾
33	Boric acid	233-139-2, 234-343-4	ND ⁽¹⁾	ND ⁽¹⁾
34	Ammonium dichromate	232-143-1	ND ⁽¹⁾	ND ⁽¹⁾
35	Cobalt(II) sulphate	233-334-2	ND ⁽¹⁾	ND ⁽¹⁾
36	Cobalt(II) dinitrate	233-402-1	ND ⁽¹⁾	ND ⁽¹⁾
37	Cobalt(II) diacetate	200-755-8	ND ⁽¹⁾	ND ⁽¹⁾
38	Cobalt(II) carbonate	208-169-4	ND ⁽¹⁾	ND ⁽¹⁾
39	Chromium trioxide	215-607-8	ND ⁽¹⁾	ND ⁽¹⁾

1. ND: Not Detected. Material not used or not detected to the Measured Device Limits (MDL) of the test equipment. Trace quantities of listed material may be present due to process requirements but are below the reporting threshold.

2. UMBL: Used Material Below Limit. This material is used in the manufacturing of the specified product but is below the required limit of 0.1% (1000ppm).

Table I: REACH Substances of Very High Concern (SVHC) Continued

Index	Chemical Name	EC Number	Metal Case	Plastic Parts
40	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.	231-801-5, 236-881-5	ND ⁽¹⁾	ND ⁽¹⁾
41	2-Methoxyethanol	203-713-7	ND ⁽¹⁾	ND ⁽¹⁾
42	2-Ethoxyethanol	203-804-1	ND ⁽¹⁾	ND ⁽¹⁾
43	Strontium chromate	232-142-6	ND ⁽¹⁾	ND ⁽¹⁾
44	Hydrazine	206-114-9	ND ⁽¹⁾	ND ⁽¹⁾
45	2-Ethoxyethyl acetate	203-839-2	ND ⁽¹⁾	ND ⁽¹⁾
46	1-Methyl-2-pyrrolidone (NMP)	212-828-1	ND ⁽¹⁾	ND ⁽¹⁾
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	ND ⁽¹⁾	ND ⁽¹⁾
48	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	ND ⁽¹⁾	ND ⁽¹⁾
49	1,2,3-trichloropropane	202-486-1	ND ⁽¹⁾	ND ⁽¹⁾
50	Cobalt dichloride	231-589-4	ND ⁽¹⁾	ND ⁽¹⁾
51	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	--	ND ⁽¹⁾	ND ⁽¹⁾
52	Trilead diarsenate	222-979-5	ND ⁽¹⁾	ND ⁽¹⁾
53	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	ND ⁽¹⁾	ND ⁽¹⁾
54	Phenolphthalein	201-004-7	ND ⁽¹⁾	ND ⁽¹⁾
55	Pentazinc chromate octahydroxide	256-418-0	ND ⁽¹⁾	ND ⁽¹⁾
56	N,N-dimethylacetamide	204-826-4	ND ⁽¹⁾	ND ⁽¹⁾
57	Lead styphnate	239-290-0	ND ⁽¹⁾	ND ⁽¹⁾
58	Lead dipicrate	229-335-2	ND ⁽¹⁾	ND ⁽¹⁾
59	Lead diazide, Lead azide	236-542-1	ND ⁽¹⁾	ND ⁽¹⁾
60	Formaldehyde, oligomeric reaction products with aniline	500-036-1	ND ⁽¹⁾	ND ⁽¹⁾
61	Dichromium tris(chromate)	246-356-2	ND ⁽¹⁾	ND ⁽¹⁾
62	Calcium arsenate	231-904-5	ND ⁽¹⁾	ND ⁽¹⁾
63	Bis(2-methoxyethyl) phthalate	204-212-6	ND ⁽¹⁾	ND ⁽¹⁾
64	Bis(2-methoxyethyl) ether	203-924-4	ND ⁽¹⁾	ND ⁽¹⁾
65	Arsenic acid	231-901-9	ND ⁽¹⁾	ND ⁽¹⁾

1. ND: Not Detected. Material not used or not detected to the Measured Device Limits (MDL) of the test equipment. Trace quantities of listed material may be present due to process requirements but are below the reporting threshold.

2. UMBL: Used Material Below Limit. This material is used in the manufacturing of the specified product but is below the required limit of 0.1% (1000ppm).

Table I: REACH Substances of Very High Concern (SVHC) Continued

Index	Chemical Name	EC Number	Metal Case	Plastic Parts
66	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	--	ND ⁽¹⁾	ND ⁽¹⁾
67	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	ND ⁽¹⁾	ND ⁽¹⁾
68	2-Methoxyaniline,o-Anisidine	201-963-1	ND ⁽¹⁾	ND ⁽¹⁾
69	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	ND ⁽¹⁾	ND ⁽¹⁾
70	1,2-Dichloroethane	203-458-1	ND ⁽¹⁾	ND ⁽¹⁾
71	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	229-851-8	ND ⁽¹⁾	ND ⁽¹⁾
72	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	ND ⁽¹⁾	ND ⁽¹⁾
73	Lead(II) bis(methanesulfonate)	401-750-5	ND ⁽¹⁾	ND ⁽¹⁾
74	Formamide	200-842-0	ND ⁽¹⁾	ND ⁽¹⁾
75	Diboron trioxide	215-125-8	ND ⁽¹⁾	ND ⁽¹⁾
76	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	219-943-6	ND ⁽¹⁾	ND ⁽¹⁾
77	[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)]	208-953-6	ND ⁽¹⁾	ND ⁽¹⁾
78	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	ND ⁽¹⁾	ND ⁽¹⁾
79	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	209-218-2	ND ⁽¹⁾	ND ⁽¹⁾
80	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	423-400-0	ND ⁽¹⁾	ND ⁽¹⁾
81	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	ND ⁽¹⁾	ND ⁽¹⁾
82	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	203-794-9	ND ⁽¹⁾	ND ⁽¹⁾
83	1,2-bis(2-methoxyethoxy)ethane (TEGDME,triglyme)	203-977-3	ND ⁽¹⁾	ND ⁽¹⁾
84	Trilead dioxide phosphonate	235-252-2	ND ⁽¹⁾	ND ⁽¹⁾
85	Trilead bis(carbonate) dihydroxide	215-290-6	ND ⁽¹⁾	ND ⁽¹⁾
86	Tricosafuorododecanoic acid	206-203-2	ND ⁽¹⁾	ND ⁽¹⁾
87	Tetralead trioxide sulphate	235-380-9	ND ⁽¹⁾	ND ⁽¹⁾

1. ND: Not Detected. Material not used or not detected to the Measured Device Limits (MDL) of the test equipment. Trace quantities of listed material may be present due to process requirements but are below the reporting threshold.

2. UMBL: Used Material Below Limit. This material is used in the manufacturing of the specified product but is below the required limit of 0.1% (1000ppm).

Table I: REACH Substances of Very High Concern (SVHC) Continued

Index	Chemical Name	EC Number	Metal Case	Plastic Parts
88	Tetraethyllead	201-075-4	ND ⁽¹⁾	ND ⁽¹⁾
89	Sulfurous acid, lead salt, dibasic	263-467-1	ND ⁽¹⁾	ND ⁽¹⁾
90	Silicic acid, lead salt	234-363-3	ND ⁽¹⁾	ND ⁽¹⁾
91	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD),the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	272-271-5	ND ⁽¹⁾	ND ⁽¹⁾
92	Pyrochlore, antimony lead yellow	232-382-1	ND ⁽¹⁾	ND ⁽¹⁾
93	Pentalead tetraoxide sulphate	235-067-7	ND ⁽¹⁾	ND ⁽¹⁾
94	Pentacosafuorotridecanoic acid	276-745-2	ND ⁽¹⁾	ND ⁽¹⁾
95	Orange lead (lead tetroxide)	215-235-6	ND ⁽¹⁾	ND ⁽¹⁾
96	o-Toluidine	202-429-0	ND ⁽¹⁾	ND ⁽¹⁾
97	o-aminoazotoluene	202-591-2	ND ⁽¹⁾	ND ⁽¹⁾
98	N-pentyl-isopentylphthalate		ND ⁽¹⁾	ND ⁽¹⁾
99	N-methylacetamide	201-182-6	ND ⁽¹⁾	ND ⁽¹⁾
100	N,N-dimethylformamide	200-679-5	ND ⁽¹⁾	ND ⁽¹⁾
101	Methyloxirane (Propylene oxide)	200-879-2	ND ⁽¹⁾	ND ⁽¹⁾
102	Methoxyacetic acid	210-894-6	ND ⁽¹⁾	ND ⁽¹⁾
103	Lead titanium zirconium oxide	235-727-4	ND ⁽¹⁾	ND ⁽¹⁾
104	Lead titanium trioxide	235-038-9	ND ⁽¹⁾	ND ⁽¹⁾
105	Lead oxide sulfate	234-853-7	ND ⁽¹⁾	ND ⁽¹⁾
106	Lead monoxide (lead oxide)	215-267-0	ND ⁽¹⁾	ND ⁽¹⁾
107	Lead dinitrate	233-245-9	ND ⁽¹⁾	ND ⁽¹⁾
108	Lead cyanamidate	244-073-9	ND ⁽¹⁾	ND ⁽¹⁾
109	Lead bis(tetrafluoroborate)	237-486-0	ND ⁽¹⁾	ND ⁽¹⁾
110	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans-stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	247-094-1, 243-072-0, 256-356-4, 260-566-1	ND ⁽¹⁾	ND ⁽¹⁾
111	Heptacosafuorotetradecanoic acid	206-803-4	ND ⁽¹⁾	ND ⁽¹⁾
112	Henicosafuoroundecanoic acid	218-165-4	ND ⁽¹⁾	ND ⁽¹⁾
113	Furan	203-727-3	ND ⁽¹⁾	ND ⁽¹⁾
114	Fatty acids, C16-18, lead salts	292-966-7	ND ⁽¹⁾	ND ⁽¹⁾
115	Dioxobis(stearato)trilead	235-702-8	ND ⁽¹⁾	ND ⁽¹⁾
116	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	ND ⁽¹⁾	ND ⁽¹⁾
117	Dimethyl sulphate	201-058-1	ND ⁽¹⁾	ND ⁽¹⁾
118	Diisopentylphthalate	210-088-4	ND ⁽¹⁾	ND ⁽¹⁾
119	Diethyl sulphate	200-589-6	ND ⁽¹⁾	ND ⁽¹⁾
120	Dibutyltin dichloride (DBTC)	211-670-0	ND ⁽¹⁾	ND ⁽¹⁾
121	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	ND ⁽¹⁾	ND ⁽¹⁾

1. ND: Not Detected. Material not used or not detected to the Measured Device Limits (MDL) of the test equipment. Trace quantities of listed material may be present due to process requirements but are below the reporting threshold.

2. UMBL: Used Material Below Limit. This material is used in the manufacturing of the specified product but is below the required limit of 0.1% (1000ppm).

Table I: REACH Substances of Very High Concern (SVHC) Continued

Index	Chemical Name	EC Number	Metal Case	Plastic Parts
122	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	201-604-9, 236-086-3, 238-009-9	ND ⁽¹⁾	ND ⁽¹⁾
123	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	214-604-9	ND ⁽¹⁾	ND ⁽¹⁾
124	Biphenyl-4-ylamine	202-177-1	ND ⁽¹⁾	ND ⁽¹⁾
125	Acetic acid, lead salt, basic	257-175-3	ND ⁽¹⁾	ND ⁽¹⁾
126	[Phthalato(2-)]dioxotrilead	273-688-5	ND ⁽¹⁾	ND ⁽¹⁾
127	6-methoxy-m-toluidine (p-cresidine)	204-419-1	ND ⁽¹⁾	ND ⁽¹⁾
128	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	--	ND ⁽¹⁾	ND ⁽¹⁾
129	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	ND ⁽¹⁾	ND ⁽¹⁾
130	4-Aminoazobenzene	200-453-6	ND ⁽¹⁾	ND ⁽¹⁾
131	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	--	ND ⁽¹⁾	ND ⁽¹⁾
132	4,4'-oxydianiline and its salts	202-977-0	ND ⁽¹⁾	ND ⁽¹⁾
133	4,4'-methylenedi-o-toluidine	212-658-8	ND ⁽¹⁾	ND ⁽¹⁾
134	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	ND ⁽¹⁾	ND ⁽¹⁾
135	1-bromopropane (n-propyl bromide)	203-445-0	ND ⁽¹⁾	ND ⁽¹⁾
136	1,2-Diethoxyethane	211-076-1	ND ⁽¹⁾	ND ⁽¹⁾
137	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	ND ⁽¹⁾	ND ⁽¹⁾
138	Pentadecafluorooctanoic acid (PFOA)	206-397-9	ND ⁽¹⁾	ND ⁽¹⁾
139	Dipentyl phthalate (DPP)	205-017-9	ND ⁽¹⁾	ND ⁽¹⁾
140	Cadmium oxide	215-146-2	ND ⁽¹⁾	ND ⁽¹⁾
141	Cadmium	231-152-8	ND ⁽¹⁾	ND ⁽¹⁾
142	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	ND ⁽¹⁾	ND ⁽¹⁾
143	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]	--	ND ⁽¹⁾	ND ⁽¹⁾
144	Trixylyl phosphate	246-677-8	ND ⁽¹⁾	ND ⁽¹⁾
145	Lead di(acetate)	206-104-4	ND ⁽¹⁾	ND ⁽¹⁾
146	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	ND ⁽¹⁾	ND ⁽¹⁾

1. ND: Not Detected. Material not used or not detected to the Measured Device Limits (MDL) of the test equipment. Trace quantities of listed material may be present due to process requirements but are below the reporting threshold.

2. UMBL: Used Material Below Limit. This material is used in the manufacturing of the specified product but is below the required limit of 0.1% (1000ppm).

Table I: REACH Substances of Very High Concern (SVHC) Continued

Index	Chemical Name	EC Number	Metal Case	Plastic Parts
147	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	217-710-3	ND ⁽¹⁾	ND ⁽¹⁾
148	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	ND ⁽¹⁾	ND ⁽¹⁾
149	Dihexyl phthalate	201-559-5	ND ⁽¹⁾	ND ⁽¹⁾
150	Cadmium sulphide	215-147-8	ND ⁽¹⁾	ND ⁽¹⁾
151	Sodium peroxometaborate	231-556-4	ND ⁽¹⁾	ND ⁽¹⁾
152	Sodium perborate,perboric acid, sodium salt	239-172-9, 234-390-0	ND ⁽¹⁾	ND ⁽¹⁾
153	Cadmium chloride	233-296-7	ND ⁽¹⁾	ND ⁽¹⁾
154	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	271-093-5	ND ⁽¹⁾	ND ⁽¹⁾
155	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	--	ND ⁽¹⁾	ND ⁽¹⁾
156	Cadmium sulphate	233-331-6	ND ⁽¹⁾	ND ⁽¹⁾
157	Cadmium fluoride	232-222-0	ND ⁽¹⁾	ND ⁽¹⁾
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	ND ⁽¹⁾	ND ⁽¹⁾
159	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	ND ⁽¹⁾	ND ⁽¹⁾
160	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	ND ⁽¹⁾	ND ⁽¹⁾
161	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	ND ⁽¹⁾	ND ⁽¹⁾
162	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]	--	ND ⁽¹⁾	ND ⁽¹⁾
163	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	271-094-0, 272-013-1	ND ⁽¹⁾	ND ⁽¹⁾
164	Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	ND ⁽¹⁾	ND ⁽¹⁾
165	1,3-propanesultone	214-317-9	ND ⁽¹⁾	ND ⁽¹⁾
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	ND ⁽¹⁾	ND ⁽¹⁾
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	ND ⁽¹⁾	ND ⁽¹⁾
168	Nitrobenzene	202-716-0	ND ⁽¹⁾	ND ⁽¹⁾
169	Benzo[def]chrysene	200-028-5	ND ⁽¹⁾	UMBL ⁽²⁾
170	p-(1,1-dimethylpropyl)phenol (PTAP)	201-280-9	ND ⁽¹⁾	ND ⁽¹⁾
171	4-heptylphenol, branched and linear (4-HPbl)	--	ND ⁽¹⁾	ND ⁽¹⁾
172	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3	ND ⁽¹⁾	ND ⁽¹⁾
173	4,4'-isopropylidenediphenol (bisphenol A)	201-245-8	ND ⁽¹⁾	ND ⁽¹⁾
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	--	ND ⁽¹⁾	ND ⁽¹⁾
175	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	--	ND ⁽¹⁾	ND ⁽¹⁾

1. ND: Not Detected. Material not used or not detected to the Measured Device Limits (MDL) of the test equipment. Trace quantities of listed material may be present due to process requirements but are below the reporting threshold.

2. UMBL: Used Material Below Limit. This material is used in the manufacturing of the specified product but is below the required limit of 0.1% (1000ppm).

Table I: REACH Substances of Very High Concern (SVHC) Continued

Index	Chemical Name	EC Number	Metal Case	Plastic Parts
176	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM)	--	ND ⁽¹⁾	ND ⁽¹⁾
177	Chrysene	205-923-4	ND ⁽¹⁾	UMBL ⁽²⁾
178	Cadmium nitrate	233-710-6	ND ⁽¹⁾	ND ⁽¹⁾
179	Cadmium hydroxide	244-168-5	ND ⁽¹⁾	ND ⁽¹⁾
180	Cadmium carbonate	208-168-9	ND ⁽¹⁾	ND ⁽¹⁾
181	Benz[a]anthracene	200-280-6	ND ⁽¹⁾	UMBL ⁽²⁾
182	benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride)(TMA)	209-008-0	ND ⁽¹⁾	ND ⁽¹⁾
183	Dicyclohexyl phthalate (DCHP)	201-545-9	ND ⁽¹⁾	ND ⁽¹⁾
184	Terphenyl, hydrogenated	262-967-7	ND ⁽¹⁾	ND ⁽¹⁾
185	Octamethylcyclotetrasiloxane(D4)	209-136-7	ND ⁽¹⁾	UMBL ⁽²⁾
186	Lead	231-100-4	ND ⁽¹⁾	ND ⁽¹⁾
187	Ethylenediamine	203-468-6	ND ⁽¹⁾	ND ⁽¹⁾
188	Dodecamethylcyclohexasiloxane(D6)	208-762-8	ND ⁽¹⁾	UMBL ⁽²⁾
189	Disodium octaborate	234-541-0	ND ⁽¹⁾	ND ⁽¹⁾
190	Decamethylcyclopentasiloxane (D5)	208-764-9	ND ⁽¹⁾	UMBL ⁽²⁾
191	Benzo[ghi]perylene	205-883-8	ND ⁽¹⁾	UMBL ⁽²⁾
192	Pyrene	204-927-3	ND ⁽¹⁾	UMBL ⁽²⁾
193	Phenanthrene	201-581-5	ND ⁽¹⁾	UMBL ⁽²⁾
194	Fluoranthene	205-912-4	ND ⁽¹⁾	UMBL ⁽²⁾
195	Benzo[k]fluoranthene	205-916-6	ND ⁽¹⁾	UMBL ⁽²⁾
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	ND ⁽¹⁾	ND ⁽¹⁾
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor; 3-BC)	239-139-9	ND ⁽¹⁾	ND ⁽¹⁾
198	4-tert-butylphenol	202-679-0	ND ⁽¹⁾	ND ⁽¹⁾
199	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	--	ND ⁽¹⁾	ND ⁽¹⁾
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--	ND ⁽¹⁾	ND ⁽¹⁾
201	2-methoxyethyl acetate	203-772-9	ND ⁽¹⁾	ND ⁽¹⁾
202	Diisohexyl phthalate	276-090-2	ND ⁽¹⁾	ND ⁽¹⁾
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	ND ⁽¹⁾	ND ⁽¹⁾
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	ND ⁽¹⁾	ND ⁽¹⁾
205	Perfluorobutane sulfonic acid (PFBS) and its salts	--	ND ⁽¹⁾	ND ⁽¹⁾
206	1-vinylimidazole	214-012-0	ND ⁽¹⁾	ND ⁽¹⁾
207	2-methylimidazole	211-765-7	ND ⁽¹⁾	ND ⁽¹⁾
208	butyl 4-hydroxybenzoate	202-318-7	ND ⁽¹⁾	ND ⁽¹⁾
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	ND ⁽¹⁾	ND ⁽¹⁾

1. ND: Not Detected. Material not used or not detected to the Measured Device Limits (MDL) of the test equipment. Trace quantities of listed material may be present due to process requirements but are below the reporting threshold.

2. UMBL: Used Material Below Limit. This material is used in the manufacturing of the specified product but is below the required limit of 0.1% (1000ppm).

Table I: REACH Substances of Very High Concern (SVHC) Continued

Index	Chemical Name	EC Number	Metal Case	Plastic Parts
210	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	ND ⁽¹⁾	ND ⁽¹⁾
211	Orthoboric acid, sodium salt	237-560-2	ND ⁽¹⁾	ND ⁽¹⁾
212	2,2-bis(bromomethyl)propane1,3-diol (BMP	221-967-7	ND ⁽¹⁾	ND ⁽¹⁾
213	2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)	253-057-0	ND ⁽¹⁾	ND ⁽¹⁾
214	2,3-dibromo-1-propanol (2,3-DBPA)	202-480-9	ND ⁽¹⁾	ND ⁽¹⁾
215	Glutaral	203-856-5	ND ⁽¹⁾	ND ⁽¹⁾
216	Medium-chain chlorinated paraffins (MCCP) (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17)	-	ND ⁽¹⁾	ND ⁽¹⁾
217	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	ND ⁽¹⁾	ND ⁽¹⁾
218	1,4-dioxane	204-661-8	ND ⁽¹⁾	ND ⁽¹⁾
219	4,4'-(1-methylpropylidene)bisphenol	201-025-1	ND ⁽¹⁾	ND ⁽¹⁾
220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	204-327-1	ND ⁽¹⁾	ND ⁽¹⁾
221	tris(2-methoxyethoxy)vinylsilane	213-934-0	ND ⁽¹⁾	ND ⁽¹⁾
222	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	ND ⁽¹⁾	ND ⁽¹⁾
223	S-(tricyclo(5.2.1.0 ^{2,6})deca-3-en-8(or9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl)phosphorodithioate	401-850-9	ND ⁽¹⁾	ND ⁽¹⁾
224	N-(hydroxymethyl)acrylamide	213-103-2	ND ⁽¹⁾	ND ⁽¹⁾
225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	253-692-3	ND ⁽¹⁾	ND ⁽¹⁾
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	ND ⁽¹⁾	ND ⁽¹⁾
227	4,4'-sulphonyldiphenol	201-250-5	ND ⁽¹⁾	ND ⁽¹⁾
228	Barium diboron tetraoxide	237-222-4	ND ⁽¹⁾	ND ⁽¹⁾
229	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof Bis(2-ethylhexyl) tetrabromophthalate	247-426-5	ND ⁽¹⁾	ND ⁽¹⁾
230	Isobutyl 4-hydroxybenzoate	224-208-8	ND ⁽¹⁾	ND ⁽¹⁾
231	Melamine	203-615-4	ND ⁽¹⁾	ND ⁽¹⁾
232	Perfluoroheptanoic acid and its salts Ammonium perfluoroheptanoate potassium perfluoroheptanoate Perfluoroheptanoic acid Sodium perfluoroheptanoate		ND ⁽¹⁾	ND ⁽¹⁾
		228-098-2	ND ⁽¹⁾	ND ⁽¹⁾
		206-798-9	ND ⁽¹⁾	ND ⁽¹⁾
		243-518-4	ND ⁽¹⁾	ND ⁽¹⁾
233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,3,5,5,6-octafluoro-4-(heptafluoropropyl)morpholine	473-390-7	ND ⁽¹⁾	ND ⁽¹⁾

1. ND: Not Detected. Material not used or not detected to the Measured Device Limits (MDL) of the test equipment. Trace quantities of listed material may be present due to process requirements but are below the reporting threshold.

2. UMBL: Used Material Below Limit. This material is used in the manufacturing of the specified product but is below the required limit of 0.1% (1000ppm).

Table I: REACH Substances of Very High Concern (SVHC) Continued

Index	Chemical Name	EC Number	Metal Case	Plastic Parts
234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	278-355-8	ND ⁽¹⁾	ND ⁽¹⁾
235	Bis(4-chlorophenyl) sulphone	80-07-9	ND ⁽¹⁾	ND ⁽¹⁾
236	2,4,6-tri-tert-butylphenol	211-989-5	ND ⁽¹⁾	ND ⁽¹⁾
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	221-573-5	ND ⁽¹⁾	ND ⁽¹⁾
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	438-340-0	ND ⁽¹⁾	ND ⁽¹⁾
239	Bumetrizole (UV-326)	223-445-4	ND ⁽¹⁾	ND ⁽¹⁾
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	700-960-7	ND ⁽¹⁾	ND ⁽¹⁾

1. ND: Not Detected. Material not used or not detected to the Measured Device Limits (MDL) of the test equipment. Trace quantities of listed material may be present due to process requirements but are below the reporting threshold.

2. UMBL: Used Material Below Limit. This material is used in the manufacturing of the specified product but is below the required limit of 0.1% (1000ppm).