

TOREX SEMICONDUCTOR LTD.

DAIHO ANNEX 3F
1-24-1 Shinkawa, Chuo-ku
Tokyo 104-0033 Japan
Phone: +81-3-6222-2851
Fax: +81-3-6222-2892

<http://www.torexsemi.com>

Certificate of EU REACH Compliance

We hereby certify that any products do not contain substances from the "Candidate List of Substances of Very High Concern for Authorization" of REACH Regulation in thresholds exceeding 0.1% by weight (except for exempted products by the EU RoHS Directive).

Candidate List of Substances of Very High Concern (Oct. 28, 2008)

No.	Substance Name	EC No.	CAS No.
1	Lead hydrogen arsenate	232-064-2	7784-40-9
2	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7
3	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9
4	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8
5	Anthracene	204-371-1	120-12-7
6	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: (α -HBCDD, β -HBCDD, γ -HBCDD)	247-148-4 and 221-695-9	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)
7	Bis (2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7
8	Bis (tributyltin) oxide (TBTO)	200-268-0	56-35-9
9	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2
10	Diarsenic trioxide	215-481-4	1327-53-3
11	Triethyl arsenate	427-700-2	15606-95-8
12	Diarsenic pentaoxide	215-116-9	1303-28-2
13	Sodium dichromate	234-190-3	7789-12-0, 10588-01-9
14	Dibutyl phthalate (DBP)	201-557-4	84-74-2
15	Cobalt dichloride	231-589-4	7646-79-9

Candidate List of Substances of Very High Concern (Jan. 13, 2010)

No.	Substance Name	EC No.	CAS No.
16	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2
17	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8
18	2,4-Dinitrotoluene	204-450-0	121-14-2
19	Anthracene oil	292-602-7	90640-80-5
20	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2
21	Anthracene oil, anthracene-low	292-604-8	90640-82-7
22	Diisobutyl phthalate	201-553-2	84-69-5
23	Tris (2-chloroethyl) phosphate	204-118-5	115-96-8
24	Lead chromate	231-846-0	7758-97-6
25	Anthracene oil, anthracene paste	292-603-2	90640-81-6
26	Pitch, coal tar, high temp.	266-028-2	65996-93-2
27	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4

Candidate List of Substances of Very High Concern (Mar. 30, 2010)

No.	Substance Name	EC No.	CAS No.
28	Acrylamide	201-173-7	79-06-1

Candidate List of Substances of Very High Concern (June 18, 2010)

No.	Substance Name	EC No.	CAS No.
29	Trichloroethylene	201-167-4	79-01-6
30	Potassium dichromate	231-906-6	7778-50-9
31	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1
32	Boric acid Boric acid, crude natural EC No.:234-343-4 CAS No.:11113-50-1 Boric acid. EC No.:233-139-2 CAS No.:10043-35-3	-	-
33	Ammonium dichromate	232-143-1	7789-09-5
34	Sodium chromate	231-889-5	7775-11-3
35	Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-3
36	Potassium chromate	232-140-5	7789-00-6

Candidate List of Substances of Very High Concern (Dec. 15, 2010)

No.	Substance Name	EC No.	CAS No.
37	Cobalt (II) diacetate	200-755-8	71-48-7
38	2-Ethoxyethanol	203-804-1	110-80-5
39	Cobalt (II) sulphate	233-334-2	10124-43-3
40	Acids generated from chromium trioxide and their oligomers. Oligomers of chromic acid and dichromic acid EC No.: - CAS No.: - Dichromic acid EC No.:236-881-5 CAS No.:13530-68-2 Chromic acid EC No.:231-801-5 CAS No.:7738-94-5	231-801-5, 236-881-5	7738-94-5, 13530-68-2
41	2-Methoxyethanol	203-713-7	109-86-4
42	Chromium trioxide	215-607-8	1333-82-0
43	Cobalt (II) carbonate	208-169-4	513-79-1
44	Cobalt (II) dinitrate	233-402-1	10141-05-6

Candidate List of Substances of Very High Concern (June 20, 2011)

No.	Substance Name	EC No.	CAS No.
45	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6
46	Strontium chromate	232-142-6	7789-06-2
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4
48	1-Methyl-2-pyrrolidone	212-828-1	872-50-4
49	1,2,3-Trichloropropane	202-486-1	96-18-4
50	2-Ethoxyethyl acetate	203-839-2	111-15-9
51	Hydrazine	206-114-9	302-01-2, 7803-57-8

Candidate List of Substances of Very High Concern (Dec. 19, 2011)

No.	Substance Name	EC No.	CAS No.
52	Phenolphthalein	201-004-7	77-09-8
53	N,N-dimethylacetamide	204-826-4	127-19-5
54	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9
55	Lead diazide, Lead azide	236-542-1	13424-46-9
56	Lead dipicrate	229-335-2	6477-64-1
57	1,2-dichloroethane	203-458-1	107-06-2
58	Calcium arsenate	231-904-5	7778-44-1
59	Dichromium tris(chromate)	246-356-2	24613-89-6
60	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0
61	Pentazinc chromate octahydroxide	256-418-0	49663-84-5
62	Zirconia Aluminosilicate Refractory Ceramic Fibres		
63	Arsenic acid	231-901-9	7778-39-4
64	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9
65	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4

No.	Substance Name	EC No.	CAS No.
66	Lead styphnate	239-290-0	15245-44-0
67	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8
68	Trilead diarsenate	222-979-5	3687-31-8
69	Aluminosilicate Refractory Ceramic Fibres		
70	Bis(2-methoxyethyl) ether	203-924-4	111-96-6
71	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4

Candidate List of Substances of Very High Concern (June 18, 2012)

No.	Substance Name	EC No.	CAS No.
72	α , α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0
73	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	423-400-0	59653-74-6
74	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1
75	Diboron trioxide	215-125-8	1303-86-2
76	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2
77	Formamide	200-842-0	75-12-7
78	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	209-218-2	561-41-1
79	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2
80	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	208-953-6	548-62-9
81	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	219-943-6	2580-56-5
83	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9
84	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	202-027-5	90-94-8

Candidate List of Substances of Very High Concern (Dec. 19, 2012)

No.	Substance Name	EC No.	CAS No.
85	Hexahydromethylphthalic anhydride Hexahydro-1-methylphthalic anhydride EC No.: 256-356-4 CAS No.: 48122-14-1 Hexahydromethylphthalic anhydride EC No.: 247-094-1 CAS No.: 25550-51-0 Hexahydro-3-methylphthalic anhydride EC No.: 260-566-1 CAS No.: 57110-29-9 Hexahydro-4-methylphthalic anhydride EC No.: 243-072-0 CAS No.: 19438-60-9	-	-
86	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8
87	Cyclohexane-1, 2-dicarboxylic anhydride Cyclohexane-1,2-dicarboxylic anhydride EC No.: 201-604-9 CAS No.: 85-42-7 cis-cyclohexane-1,2-dicarboxylic anhydride EC No.: 236-086-3 CAS No.: 13149-00-3 trans-cyclohexane-1,2-dicarboxylic anhydride EC No.: 238-009-9 CAS No.: 14166-21-3	-	-
88	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8
89	Henicosafuoroundecanoic acid	218-165-4	2058-94-8
90	4-Aminoazobenzene	200-453-6	60-09-3
91	Silicic acid, lead salt	234-363-3	11120-22-2
92	Lead titanium zirconium oxide	235-727-4	12626-81-2
93	Lead monoxide (lead oxide)	215-267-0	1317-36-8
94	o-Toluidine	202-429-0	95-53-4
95	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2
96	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1
97	Lead bis (tetrafluoroborate)	237-486-0	13814-96-5
98	Lead dinitrate	233-245-9	10099-74-8
99	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	272-271-5	68784-75-8

No.	Substance Name	EC No.	CAS No.
100	Trilead bis (carbonate) dihydroxide	215-290-6	1319-46-6
101	4-4'-methylenedi-o-toluidine	212-658-8	838-88-0
102	Diethyl sulphate	200-589-6	64-67-5
103	Dimethyl sulphate	201-058-1	77-78-1
104	N,N-dimethylformamide	200-679-5	68-12-2
105	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy- EC No.: - CAS No.:9036-19-5 Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether EC No.: - CAS No.:9002-93-1 20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol EC No.:219-682-8 CAS No.:2497-59-8 2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol EC No.: - CAS No.:2315-67-5	-	-
106	4-Nonylphenol, branched and linear p-(1,1-dimethylheptyl)phenol EC No.: 250-339-5 CAS No.: 30784-30-6 p-(1,1-dimethylheptyl)phenol EC No.: 241-427-4 CAS No.: 17404-66-9 p-nonylphenol EC No.: - CAS No.: 104-40-5 4-(1-ethyl-1-methylhexyl)phenol EC No.: 257-907-1 CAS No.: 52427-13-1 p-isononylphenol EC No.: 247-770-6 CAS No.: 26543-97-5 4-(1-ethyl-1,3-dimethylpentyl)phenol EC No.: - CAS No.: 186825-36-5 4-(1-ethyl-1,4-dimethylpentyl)phenol EC No.: - CAS No.: 142731-63-3 Phenol, 4-nonyl-, branched EC No.: 284-325-5 CAS No.: 84852-15-3 4-(3-ethylheptan-2-yl)phenol EC No.: - CAS No.: 186825-39-8 Nonylphenol EC No.: 246-672-0 CAS No.: 25154-52-3 Isononylphenol EC No.: 234-284-4 CAS No.: 11066-49-2 4-(1,1,5-Trimethylhexyl)phenol EC No.: - CAS No.: 521947-27-3 Phenol, nonyl-, branched EC No.: 291-844-0 CAS No.: 90481-04-2	-	-
107	Furan	203-727-3	110-00-9
108	Lead oxide sulfate	234-853-7	12036-76-9
109	Lead titanium trioxide	235-038-9	12060-00-3
110	Bis (pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5
111	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7
112	1,2-Diethoxyethane	211-076-1	629-14-1
113	N-methylacetamide	201-182-6	79-16-3
114	Tetralead trioxide sulphate	235-380-9	12202-17-4
115	Acetic acid, lead salt, basic	257-175-3	51404-69-4
116	[Phthalato(2-)] dioxotrilead	273-688-5	69011-06-9
117	Tetraethyllead	201-075-4	78-00-2
118	N-pentyl-isopentylphthalate	-	776297-69-9
119	Pentalead tetraoxide sulphate	235-067-7	12065-90-6
120	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7
121	Tricosafuorododecanoic acid	206-203-2	307-55-1
122	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5
123	Dioxobis (stearato) trilead	235-702-8	12578-12-0
124	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8
125	Methoxyacetic acid	210-894-6	625-45-6
126	Methyloxirane (propylene oxide)	200-879-2	75-56-9
127	Trilead dioxide phosphonate	235-252-2	12141-20-7
128	o-aminoazotoluene	202-519-2	97-56-3
129	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7
130	Diisopentyl phthalate	210-088-4	605-50-5
131	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0
132	Biphenyl-4-ylamine	202-177-1	92-67-1
133	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8

No.	Substance Name	EC No.	CAS No.
134	Orange lead (lead tetroxide)	215-235-6	1314-41-6
135	4-4'-oxydianiline and its salts	202-977-0	101-80-4
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3
137	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7
138	Lead cyanamidate	244-073-9	20837-86-9

Candidate List of Substances of Very High Concern (June 20, 2013)

No.	Substance Name	EC No.	CAS No.
139	Cadmium	231-152-8	7440-43-9
140	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1
141	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1
142	Dipentyl phthalate (DPP)	205-017-9	131-18-0
143	4-Nonylphenol, branched and linear, ethoxylated		
144	Cadmium oxide	215-146-2	1306-19-0

Candidate List of Substances of Very High Concern (December 16, 2013)

No.	Substance Name	EC No.	CAS No.
145	Cadmium sulphide	215-147-8	1306-23-6
146	Disodium 4-amino-3-[[4'-[(2, 4-diaminophenyl) azo][1, 1'-biphenyl]-4-yl] azo] -5-hydroxy-6-(phenylazo) naphthalene-2, 7-disulphonate (C.I. Direct Black 38)	217-710-3	1937-37-7
147	Dihexyl phthalate	201-559-5	84-75-3
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	202-506-9	96-45-7
149	Trixylyl phosphate	246-677-8	25155-23-1
150	Disodium 3,3'-[[1, 1'-biphenyl]-4, 4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0
151	Lead di (acetate)	206-104-4	301-04-2

Candidate List of Substances of Very High Concern (June 16, 2014)

No.	Substance Name	EC No.	CAS No.
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4
153	Cadmium chloride	233-296-7	10108-64-2
154	Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	-
155	Sodium peroxometaborate	231-556-4	7632-04-4

Candidate List of Substances of Very High Concern (December 17, 2014)

No.	Substance Name	EC No.	CAS No.
156	Cadmium fluoride	232-222-0	7790-79-6
157	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)	-	-
158	2-ethylhexyl 10-ethyl-4, 4-dioctyl-7-oxo-8-oxa-3, 5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1
159	2-benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7
160	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6
161	2-(2H-benzotriazol-2-yl)-4, 6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1

Candidate List of Substances of Very High Concern (June 15, 2015)

No.	Substance Name	EC No.	CAS No.
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	271-094-0 272-013-1	68515-51-5 68648-93-1
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane[1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane[2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	-

Candidate List of Substances of Very High Concern (December 17, 2015)

No.	Substance Name	EC No.	CAS No.
164	1,3-propanesultone	214-317-9	1120-71-4
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3
167	Nitrobenzene	202-716-0	98-95-3
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1, 21049-39-8, 4149-60-4

Candidate List of Substances of Very High Concern (June 20, 2016)

No.	Substance Name	EC No.	CAS No.
169	Benzo[def]chrysene	200-028-5	50-32-8

Candidate List of Substances of Very High Concern (January 12, 2017)

No.	Substance Name	EC No.	CAS No.
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	201-245-8	80-05-7
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3 - 221-470-5	335-76-2 3830-45-3 3108-42-7
172	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6
173	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]	-	-

Candidate List of Substances of Very High Concern (July 7, 2017)

No.	Substance Name	EC No.	CAS No.
174	Perfluorohexane-1-sulphonic acid and its salts	-	-

Candidate List of Substances of Very High Concern (January 15, 2018)

No.	Substance Name	EC No.	CAS No.
175	Benz[a]anthracene	200-280-6	56-55-3, 1718-53-2
176	Cadmium carbonate	208-168-9	513-78-0
177	Cadmium hydroxide	244-168-5	21041-95-2
178	Cadmium nitrate	223-710-6	10022-68-1, 10325-94-7
179	Chrysene	205-923-4	218-01-9, 1719-03-5
180	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.9.02,13.05,10]octadeca-7,15-diene ("Declorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof	-	-
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥ 0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	-	-

Candidate List of Substances of Very High Concern (June 27, 2018)

No.	Substance Name	EC No.	CAS No.
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	209-008-0	552-30-7
183	Benzo[ghi]perylene	205-883-8	191-24-2
184	Decamethylcyclopentasiloxane	208-764-9	541-02-6
185	Dicyclohexyl phthalate	201-545-9	84-61-7
186	Disodium octaborate	234-541-0	12008-41-2
187	Docecamethylcyclohexasiloxane	208-762-8	540-97-6
188	Ethylenediamine	203-468-6	107-15-3
189	Lead	231-100-4	7439-92-1
190	Octamethylcyclotetrasiloxane	209-136-7	556-67-2
191	Terphenyl, hydrogenated	262-967-7	61788-32-7

Candidate List of Substances of Very High Concern (January 15, 2019)

No.	Substance Name	EC No.	CAS No.
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6
194	Benzo[k]fluoranthene	205-916-6	207-08-9
195	Fluoranthene	205-912-4	26-44-0; 93951-69-0
196	Phenanthrene	201-581-5	85-01-8
197	Pyrene	204-927-3	129-00-0; 1718-52-1

Candidate List of Substances of Very High Concern (July 16, 2019)

No.	Substance Name	EC No.	CAS No.
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides Covering any of their individual isomers and combinations thereof	-	-
199	2-methoxyethyl acetate	203-772-9	110-49-6
200	4-tert-butylphenol	202-679-0	98-54-4
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	-

Candidate List of Substances of Very High Concern (Jan 16, 2020)

No.	Substance Name	EC No.	CAS No.
202	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-
203	Diisohexyl phthalate	276-090-2	71850-09-4
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1

Candidate List of Substances of Very High Concern (June 25, 2020)

No.	Substance Name	EC No.	CAS No.
206	Dibutylbis(pentane-2,4-dionato-o,o')tin	245-152-0	22673-19-4
207	Butyl 4-hydroxybenzoate	202-318-7	94-26-8
208	2-methylimidazole	211-765-7	693-98-1
209	1-vinylimidazole	214-012-0	1072-63-5

Candidate List of Substances of Very High Concern (January 19, 2021)

No.	Substance Name	EC No.	CAS No.
210	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. Wherein C12 is the predominant carbon number of the fatty acyloxy moiety Diocetyl tin dilaurate EC No.:222-883-3 CAS No.:3648-18-8 Diocetyl tin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. EC No.: - CAS No.: - Stannane, dioctyl-, bis (coco acyloxy) derivs. EC No.:293-901-5 CAS No.:91648-39-4	-	-
211	Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-7	143-24-8

Candidate List of Substances of Very High Concern (July 8, 2021)

No.	Substance Name	EC No.	CAS No.
212	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP)		
	Phenol, 4-dodecyl, branched EC No.:310-154-3 CAS No.:121158-58-5		
	Phenol, (tetrapropenyl) derivatives EC No.: - CAS No.:74499-35-7	-	-
	Phenol, 4-dodecyl, branched EC No.: - CAS No.:210555-94-5		
	4-isododecylphenol EC No.: - CAS No.:27459-10-5		
	Phenol, tetrapropylene- EC No.: - CAS No.:57427-55-1		
213	Phenol, 4-isododecyl- EC No.: - CAS No.:27147-75-7		
	orthoboric acid, sodium salt		
	boric acid (H3BO3), sodium salt, hydrate EC No.: - CAS No.:25747-83-5		
	Boric acid (H3BO3), disodium salt EC No.: - CAS No.:22454-04-2		
	Trisodium orthoborate EC No.:238-253-6 CAS No.:14312-40-4	-	-
	Boric acid, sodium salt EC No.:215-604-1 CAS No.:1333-73-9		
214	Orthoboric acid, sodium salt EC No.:237-560-2 CAS No.:13840-56-7		
	Boric acid (H3BO3), sodium salt (1:1) EC No.: - CAS No.:14890-53-0		
	Medium-chain chlorinated paraffins (MCCP)		
	Alkanes, C14-16, chloro EC No.: - CAS No.:1372804-76-6		
	Alkanes, C14-17, chloro EC No.:287-477-0 CAS No.:85535-85-9	-	-
215	di-, tri- and tetrachlorotetradecane EC No.:950-299-5 CAS No.: -		
	Tetradecane, chloro derivs EC No.: - CAS No.:198840-65-2		
	glutaral	203-856-5	111-30-8
	4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7
217	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers		
	(2R)-3-(4-tert-butylphenyl)-2-methylpropanal EC No.: - CAS No.:75166-31-3	-	-
	2-(4-tert-butylbenzyl)propionaldehyde EC No.: - CAS No.:80-54-6		
	(2S)-3-(4-tert-butylphenyl)-2-methylpropanal EC No.: - CAS No.:75166-30-2		

No.	Substance Name	EC No.	CAS No.
218	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)	-	-
	2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA) EC No.:253-057-0 CAS No.:36483-57-5		
	3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) EC No.: CAS No.:1522-92-5		
	2,2-bis(bromomethyl)propane-1,3-diol (BMP) EC No.:221-967-7 CAS No.:3296-90-0		
219	1,4-dioxane	204-661-8	123-99-1

Candidate List of Substances of Very High Concern (January 17, 2022)

No.	Substance Name	EC No.	CAS No.
220	tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4
221	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	401-850-9	255881-94-8
222	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	204-327-1	119-47-1
223	(±)-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)	-	-
	(3E)-1,7,7-trimethyl-3-(4'-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: CAS No.:1782069-81-1		
	(1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: CAS No.:95342-41-9		
	(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: CAS No.:852541-25-4		
	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one EC No.:253-242-6 CAS No.:36861-47-9		
	(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: CAS No.:741687-98-9		
	(1R,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: CAS No.:852541-30-1		
(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: CAS No.:852541-21-0			

Candidate List of Substances of Very High Concern (June 10, 2022)

No.	Substance Name	EC No.	CAS No.
224	N-(Hydroxymethyl)acrylamide	213-103-2	924-42-5

Candidate List of Substances of Very High Concern (January 17, 2023)

No.	Substance Name	EC No.	CAS No.
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	473-390-7	-
226	Perfluoroheptanoic acid and its salts Ammonium perfluoroheptanoate EC No.:228-098-2 CAS No.:6130-43-4 potassium perfluoroheptanoate EC No.: CAS No.:21049-36-5 Perfluoroheptanoic acid EC No.206-798-9 CAS No.:375-85-9 Sodium perfluoroheptanoate EC No.:243-518-4 CAS No.:20109-59-5	-	-
227	Melamine	203-615-4	108-78-1
228	Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3
229	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof Bis(2-ethylhexyl) tetrabromophthalate EC No.:247-426-5 CAS No.:26040-51-7	-	-
230	Barium diboron tetraoxide	237-222-4	13701-59-2
231	4,4'-sulphonyldiphenol	201-250-5	80-09-1
232	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	79-94-7
233	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1

Candidate List of Substances of Very High Concern (June 14, 2023)

No.	Substance Name	EC No.	CAS No.
234	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	278-355-8	75980-60-8
235	Bis(4-chlorophenyl) sulphone	201-247-9	80-07-9

Candidate List of Substances of Very High Concern (January 23, 2024)

No.	Substance Name	EC No.	CAS No.
236	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol Phenol, methylstyreneated EC No.:270-966-8 CAS No.:68512-30-1	700-960-7	-
237	Bumetrizole (UV-326)	223-445-4	3896-11-5
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	438-340-0	119344-86-4
239	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	221-573-5	3147-75-9
240	2,4,6-tri-tert-butylphenol	211-989-5	732-26-3

Candidate List of Substances of Very High Concern (June 27, 2024)

No.	Substance Name	EC No.	CAS No.
241	Bis(α,α-dimethylbenzyl) peroxide	201-279-3	80-43-3

as of July 2024

A list of all Substances of Very High Concern is available here:

<https://echa.europa.eu/candidate-list-table>

Kazuharu Ohike

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Manager, Quality Assurance Dept.