

Supplier Guarantee Letter

Issuing Date : November (month) 14 (date) 2025 (year)

Warranty card regarding substances included in products

The undersigned on behalf of **Holtek Semiconductor Inc.**

At the address of **No.3, Creation Rd. II, Science Park, Hsinchu, Taiwan, R.O.C.**

Our company (that includes our subsidiary and associated companies hereafter) hereby

guarantees that the HOLTEK products meet the requirement of REACH SVHC and Annex XVII listed below.

- REACH Directive : EC 1907 / 2006
- REACH Annex XVII

Company Name : Holtek Semiconductor Inc.

Organization : Quality Assurance & Reliability Division

Person Responsible : Amy Yeh

Person in Charge: C.P. Yeh

Table 1: SVHC List

No	Substance name	EC number	CAS number	Date of inclusion
1	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	2008/10/28 2014/12/17
2	Diarsenic pentaoxide	215-116-9	1303-28-2	
3	Hexabromocyclodecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4 and 221-695-9	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	2008/10/28
4	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	2008/10/28
5	Lead hydrogen arsenate	232-064-2	7784-40-9	2008/10/28
6	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	2008/10/28
7	Anthracene	204-371-1	120-12-7	2008/10/28
8	Diarsenic trioxide	215-481-4	1327-53-3	2008/10/28
9	Dibutyl phthalate (DBP)	201-557-4	84-74-2	2008/10/28
10	Triethyl arsenate	427-700-2	15606-95-8	2008/10/28
11	Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	2008/10/28
12	4,4'-Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	2008/10/28
13	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	2008/10/28
14	Sodium dichromate	234-190-3	7789-12-0 10588-01-	2008/10/28
15	Anthracene oil, anthracene paste	292-603-2	90640-81-6	2010/1/13
16	Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	2010/1/13
17	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	2010/1/13
18	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	2010/1/13
19	Pitch, coal tar, high temperature	266-028-2	65996-93-2	2010/1/13
20	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	—	—	2011/12/19

No	Substance name	EC number	CAS number	Date of inclusion
21	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	—	—	2011/12/19
22	Anthracene oil	292-602-7	90640-80-5	2010/1/13
23	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	295-275-9	2010/1/13
24	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	2010/1/13
25	2,4-Dinitrotoluene	204-450-0	121-14-2	2010/1/13
26	Anthracene oil, anthracene-low	292-604-8	90640-82-7	2010/1/13
27	Lead chromate	231-846-0	7758-97-6	2010/1/13
28	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	2010/1/13
29	Acrylamide	201-173-7	79-06-1	2010/3/30
30	Boric acid	233-139-2	10043-35-3	2010/6/18
		234-343-4	11113-50-1	
31	Potassium chromate	232-140-5	7789-00-6	2010/6/18
32	Sodium chromate	231-889-5	7775-11-3	2010/6/18
33	Trichloroethylene	201-167-4	79-01-6	2010/6/18
34	Ammonium dichromate	232-143-1	7789-09-5	2010/6/18
35	Potassium dichromate	231-906-6	7778-50-9	2010/6/18
36	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	2010/6/18
37	Disodium tetraborate, anhydrous	215-540-4	1303-96-4	2010/6/18
			1330-43-4	
			12179-04-3	
38	2-Ethoxyethanol	203-804-1	110-80-5	2010/12/15
39	Cobalt(II) sulphate	233-334-2	10124-43-3	2010/12/15
40	Cobalt(II) dinitrate	233-402-1	10141-05-6	2010/12/15
41	Chromium trioxide	215-607-8	1333-82-0	2010/12/15
42	2-Methoxyethanol	203-713-7	109-86-4	2010/12/15
43	Cobalt(II) diacetate	200-755-8	71-48-7	2010/12/15

No	Substance name	EC number	CAS number	Date of inclusion
44	Cobalt(II) carbonate	208-169-4	513-79-1	2010/12/15
45	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.			2010/12/15
	Chromic acid	231-801-5	7738-94-5	
	Dichromic acid	236-881-5	13530-68-2	
	Oligomers of chromic acid and dichromic acid	—	—	
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	276-158-1	71888-89-6	2011/6/20
47	2-Ethoxyethyl acetate	203-839-2	111-15-9	2011/6/20
48	Strontium chromate	232-142-6	7789-06-2	2011/6/20
49	Hydrazine	206-114-9	7803-57-8	2011/6/20
			302-01-2	
50	1-Methyl-2-pyrrolidone	212-828-1	872-50-4	2011/6/20
51	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	271-084-6	68515-42-4	2011/6/20
52	1,2,3-Trichloropropane	202-486-1	96-18-4	2011/6/20
53	Cobalt dichloride	231-589-4	7646-79-9	2011/06/20-2008/10/28
54	Dichromium tris(chromate)	246-356-2	24613-89-6	2011/12/19
55	Phenolphthalein	201-004-7	77-09-8	2011/12/19
56	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4	2011/12/19
57	Lead styphnate	239-290-0	15245-44-0	2011/12/19
58	Lead azide	236-542-1	13424-46-9	2011/12/19
	Lead diazide		—	
59	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	2011/12/19
60	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	500-036-1	25214-70-4	2011/12/19
61	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	2011/12/19
62	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	2011/12/19
63	1,2-dichloroethane	203-458-1	107-06-2	2011/12/19
64	Trilead diarsenate	222-979-5	3687-31-8	2011/12/19
65	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	2011/12/19
66	Arsenic acid	231-901-9	7778-39-4	2011/12/19
67	N,N-dimethylacetamide (DMAC)	204-826-4	127-19-5	2011/12/19
68	Lead dipicrate	229-335-2	6477-64-1	2011/12/19
69	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	2011/12/19
70	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	2011/12/19
71	Calcium arsenate	231-904-5	7778-44-1	2011/12/19
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	2012/6/18
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	2012/6/18
74	Diboron trioxide	215-125-8	1303-86-2	2012/6/18
75	Formamide	200-842-0	75-12-7	2012/6/18
76	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	2012/6/18
77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	2012/6/18

No	Substance name	EC number	CAS number	Date of inclusion
78	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	2012/6/18
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	2012/6/18
80	N,N,N',N'-tetramethyl-4,4'-methylenedi aniline (Michler's base)	202-959-2	101-61-1	2012/6/18
81	[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	2012/6/18
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	2012/6/18
83	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0	2012/6/18
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	209-218-2	561-41-1	2012/6/18
85	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	2012/12/19
86	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	2012/12/19
87	Henicosaflluoroundecanoic acid	218-165-4	2058-94-8	2012/12/19
88	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	247-094-1 243-072-0 256-356-4 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	2012/12/19
89	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)[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	201-604-9 236-086-3 238-009-9	85-42-7 13149-00-3 14166-21-3	2012/12/19
90	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	2012/12/19
91	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	2012/12/19
92	Lead dinitrate	233-245-9	10099-74-8	2012/12/19
93	Silicic acid, lead salt	234-363-3	11120-22-2	2012/12/19
94	4-Aminoazobenzene	200-453-6	60-09-3	2012/12/19
95	Lead titanium zirconium oxide	235-727-4	12626-81-2	2012/12/19

No	Substance name	EC number	CAS number	Date of inclusion
96	Lead monoxide (lead oxide)	215-267-0	1317-36-8	2012/12/19
97	o-Toluidine	202-429-0	95-53-4	2012/12/19
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	2012/12/19
99	Silicic acid (H ₂ Si ₂ O 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	68784-75-8	2012/12/19
100	Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6	2012/12/19
101	Furan	203-727-3	110-00-9	2012/12/19
102	N,N-dimethylformamide	200-679-5	68-12-2	2012/12/19
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	—	—	2012/12/19
104	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]	—	—	2012/12/19
105	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	2012/12/19
106	Diethyl sulphate	200-589-6	64-67-5	2012/12/19
107	Dimethyl sulphate	201-058-1	77-78-1	2012/12/19
108	Lead oxide sulfate	234-853-7	12036-76-9	2012/12/19
109	Lead titanium trioxide	235-038-9	12060-00-3	2012/12/19
110	Acetic acid, lead salt, basic	257-175-3	51404-69-4	2012/12/19
111	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	2012/12/19
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	2012/12/19
113	N-methylacetamide	201-182-6	79-16-3	2012/12/19
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	2012/12/19
115	1,2-Diethoxyethane	211-076-1	629-14-1	2012/12/19
116	Tetralead trioxide sulphate	235-380-9	12202-17-4	2012/12/19
117	N-pentyl-isopentylphthalate	—	776297-69-9	2012/12/19
118	Dioxobis(stearato)trilead	235-702-8	12578-12-0	2012/12/19
119	Tetraethyllead	201-075-4	78-00-2	2012/12/19
120	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	2012/12/19
121	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	2012/12/19
122	Tricosafuorododecanoic acid	206-203-2	307-55-1	2012/12/19
123	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	2012/12/19
124	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	2012/12/19
125	Methoxyacetic acid	210-894-6	625-45-6	2012/12/19
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	2012/12/19
127	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	2012/12/19
128	Trilead dioxide phosphonate	235-252-2	12141-20-7	2012/12/19
129	o-aminoazotoluene	202-591-2	97-56-3	2012/12/19

No	Substance name	EC number	CAS number	Date of inclusion
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	2012/12/19
131	4,4'-oxydianiline and its salts	202-977-0	101-80-4	2012/12/19
132	orange lead (Lead tetroxide)	215-235-6	1314-41-6	2012/12/19
133	Biphenyl-4-ylamine	202-177-1	92-67-1	2012/12/19
134	Diisopentylphthalate	210-088-4	605-50-5	2012/12/19
135	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	2012/12/19
136	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	2012/12/19
137	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	2012/12/19
138	Lead cyanamidate	244-073-9	20837-86-9	2012/12/19
139	Cadmium	231-152-8	7440-43-9	2013/6/20
140	Cadmium oxide	215-146-2	1306-19-0	2013/6/20
141	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	2013/6/20
142	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	2013/6/20
143	Dipentyl phthalate (DPP)	205-017-9	131-18-0	2013/6/20
144	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]	—	—	2013/6/20
145	Cadmium sulphide	215-147-8	1306-23-6	2013/12/16
146	Dihexyl phthalate	201-559-5	84-75-3	2013/12/16
147	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	2013/12/16
148	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	2013/12/16
149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	202-506-9	96-45-7	2013/12/16
150	Lead di(acetate)	206-104-4	301-04-2	2013/12/16
151	Trixylyl phosphate	246-677-8	25155-23-1	2013/12/16
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched	271-093-5	68515-50-4	2014.6.16
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	
156	Cadmium fluoride	232-222-0	7790-79-6	2014/12/17
157	Cadmium sulphate	233-331-6	10124-36-4 31119-53-6	2014/12/17
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	2014/12/17

No	Substance name	EC number	CAS number	Date of inclusion
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	2014/12/17
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	2014/12/17
161	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-oxo	—	—	2014/12/17
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	271-094-0 272-013-1	68515-51-5 68648-93-1	2015/6/15
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	—	—	2015/6/15
164	Nitrobenzene	202-716-0	98-95-3	2015/12/17
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	2015/12/17
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	2015/12/17
167	1,3-propanesultone	214-317-9	1120-71-4	2015/12/17
168	Perfluorononan-1-oic-acid and its sodium and ammonium salt	206-801-3	375-95-1	2015/12/17
169	Benzo[def]chrysene (Benzo[a]pyrene)	200-028-5	50-32-8	2016/06/20
170	4,4'-isopropylidenediphenol	201-245-8	80-05-7	2017/1/12
171	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	—	—	2017/1/12
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3 221-470-5	335-76-2 3108-42-7 3830-45-3	2017/1/12
173	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	2017/1/12
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	—	—	2017/7/7
175	Chrysene	205-923-4	218-01-9	2018/1/15
176	Benz[a]anthracene	200-280-6	56-55-3	2018/1/15
177	Cadmium nitrate	233-710-6	10325-94-7	2018/1/15
178	Cadmium hydroxide	244-168-5	21041-95-2	2018/1/15
179	Cadmium carbonate	208-168-9	513-78-0	2018/1/15
180	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]	—	—	2018/1/15

No	Substance name	EC number	CAS number	Date of inclusion
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]	—	—	2018/1/15
182	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride) (TMA)	209-008-0	552-30-7	2018/6/27
183	Benzo[ghi]perylene	205-883-8	191-24-2	2018/6/27
184	Octamethylcyclotetrasiloxane (D4)	209-136-7	556-67-2	2018/6/27
185	Decamethylcyclopentasiloxane (D5)	208-764-9	541-02-6	2018/6/27
186	Dodecamethylcyclohexasiloxane (D6)	208-762-8	540-97-6	2018/6/27
187	Disodium octaborate	234-541-0	12008-41-2	2018/6/27
188	Ethylenediamine	203-468-6	107-15-3	2018/6/27
189	Lead	231-100-4	7439-92-1	2018/6/27
190	Terphenyl hydrogenated	262-967-7	61788-32-7	2018/6/27
191	Dicyclohexyl phthalate (DCHP)	201-545-9	84-61-7	2018/6/27
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	2019/1/15
193	Benzo[k]fluoranthene	205-916-6	207-08-9	2019/1/15
194	Fluoranthene	205-912-4	206-44-0	2019/1/15
195	Phenanthrene	201-581-5	1985/1/8	2019/1/15
196	Pyrene	204-927-3	129-00-0	2019/1/15
197	1,7,7-trimethyl-3-(phenylmethylene) bicycle [2.2.1]	239-139-9	15087-24-8	2019/1/15
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)	—	—	2019/7/16
199	4-tert-butylphenol	203-772-9	110-49-6	2019/7/16
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	—	—	2019/7/16
201	2-methoxyethyl acetate	202-679-0	110-49-6	2019/7/16
202	Diisohexyl phthalate	276-090-2	71850-09-4	2020/1/16
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	2020/1/16
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	2020/1/16
205	Perfluorobutane sulfonic acid (PFBS) and its salts	—	—	2020/1/16
206	1-vinylimidazole	214-012-0	1072-63-5	2020/6/25
207	2-methylimidazole	211-765-7	693-98-1	2020/6/26
208	butyl 4-hydroxybenzoate	202-318-7	94-26-8	2020/6/26
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	22673-19-4	2020/6/26
210	Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-7	143-24-8	2021/1/19
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon	—	—	2021/1/19
212	1,4-dioxane	204-661-8	123-91-1	2021/7/8
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)	221-967-7 253-057-0 202-480-9	3296-90-0 36483-57-5 1522-92-5 96-13-9	2021/7/8
214	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers	—	—	2021/7/8
215	4,4'-(1-methylpropylidene) bisphenol; (bisphenol B)	201-025-1	77-40-7	2021/7/8
216	Glutaral	203-856-5	111-30-8	2021/7/8
217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range	—	—	2021/7/8

No	Substance name	EC number	CAS number	Date of inclusion
218	Orthoboric acid, sodium salt	237-560-2	13840-56-7	2021/7/8
219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP)	—	—	2021/7/8
220	(±)-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)	253-242-6	1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 852541-21-0	2022/1/17
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	204-327-1	119-47-1	2022/1/17
222	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	2022/1/17
223	tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4	2022/1/17
224	N-(hydroxymethyl)acrylamide	213-103-2	924-42-5	2022/6/10
225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	2023/1/17
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	79-94-7	
227	4,4'-sulphonyldiphenol	201-250-5	80-09-1	
228	Barium diboron tetraoxide	237-222-4	13701-59-2	
229	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof: Bis(2-ethylhexyl) tetrabromophthalate	247-426-5	26040-51-7	2023/1/17
230	Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3	
231	Melamine	203-615-4	108-78-1	
232	Perfluoroheptanoic acid and its salts: Sodium perfluoroheptanoate; Perfluoroheptanoic acid; potassium perfluoroheptanoate; Ammonium perfluoroheptanoate	243-518-4; 206-798-9; -; 228-098-2	20109-59-5; 375-85-9; 21049-36-5; 6130-43-4	2023/6/14
233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	473-390-7	-	
234	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide	278-355-8	75980-60-8	2024/1/24
235	Bis(4-chlorophenyl) sulphone	201-247-9	80-07-9	
236	2,4,6-tri-tert-butylphenol	211-989-5	732-26-3	
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	221-573-5	3147-75-9	2024/1/24
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl] butan-1-one	438-340-0	119344-86-4	
239	Bumetrizole (UV-326);2-tert-butyl-6-(5-chloro-2H-benzotriazol-2-yl)-4- methylphenol	223-445-4	3896-11-5	
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	700-960-7	-	

No	Substance name	EC number	CAS number	Date of inclusion
241	Bis(α,α -dimethylbenzyl) peroxide	201-279-3	80-43-3	2024/6/27
242	Triphenyl phosphate	204-112-2	115-86-6	2024/11/7
243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	701-118-1	2156592-54-8	2025/1/21
244	O,O,O-triphenyl phosphorothioate	209-909-9	597-82-0	2025/1/21
245	Octamethyltrisiloxane	203-497-4	107-51-7	2025/1/21
246	Perfluamine	206-420-2	338-83-0	2025/1/21
247	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	421-820-9	192268-65-8	2025/1/21
248	1,1,1,3,5,5,5-heptamethyl-3[(trimethylsilyloxy)trisiloxane	241-867-7	17928-28-8	2025/6/25
249	Decamethyltetrasiloxane	205-491-7	141-62-8	2025/6/25
250	Tetra(sodium/potassium) 7-[(E)-{2acetamido-4-[(E)-(4-[[4-chloro-6-({2[(4-fluoro-6-[[4(vinylsulfonyl)phenyl]amino)-1,3,5triazine-2-yl]amino]propyl]amino)1,3,5-triazine-2-yl]amino}-5sulfonato-1-naphthyl)diazenyl]-5methoxyphenyl]diazenyl]-1,3,6naphthalenetrisulfonate; Reactive Brown 51	466-490-7	-	2025/6/25
251	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)	284-366-9	84852-53-9	2025/11/5

Table 2: Annex XVII List

No	Substance name	EC number	CAS number	Date of inclusion
1	(Polychlorinated terphenyls, PCT)	-	-	2016/1/12
2	Chloro-1-ethylene (monomer vinyl chloride)	200-831-0	75-01-4	2016/1/15
3	Liquid substances or mixtures, which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: hazard class 4.1; hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10; hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F; hazard class 5.1.	-	-	2016/1/15
4	Tris (2,3 dibromopropyl) phosphate	204-799-9	126-72-7	2016/1/13
5	Benzene	200-753-7	71-43-2	2016/1/13
6	Asbestos fibres (a) Crocidolite (b) Amosite (c) Anthophyllite (d) Actinolite (e) Tremolite (f) Chrysotile	-	12001-28-4 12172-73-5 77536-67-5 77536-66-4 77536-68-6 12001-29-5, 132207-32-0	2016/1/13
7	Tris-(aziridinyl)phosphin oxide	208-892-5	545-55-1	2016/1/13
8	Polybromobiphenyls; Polybrominatedbiphenyls(PBB)	-	59536-65-1	2016/1/13
9	(a) Soap bark powder (Quillaja saponaria) and its derivatives containing saponines (b) Benzidine and / or its derivatives (c) o-Nitrobenzaldehyde (d) Powder of the roots of Veratrum album and Veratrum nigrum (e) Wood powder (f) Powder of the roots of Helleborus viridis and Helleborus niger	273-620-4 202-199-1 209-025-3 - - -	68990-67-0 92-87-5 552-89-6 - - -	2016/1/13

No	Substance name	EC number	CAS number	Date of inclusion
10	(a) Ammonium sulphide	235-223-4	12135-76-1	2016/1/13
	(b) Ammonium hydrogen sulphide	235-184-3	12124-99-1	
	(c) Ammonium polysulphide	232-989-1	9080-17-5	
11	Volatile esters of bromoacetic acids	202-499-2	96-32-2	2016/1/13
	(a)Methyl bromoacetate	203-290-9	105-36-2	
	(b)Ethyl bromoacetate	-	35223-80-4	
	(c)Propyl bromoacetate	242-729-9	18991-98-5	
12	2-naphthylamine and its salts:	202-080-4	91-59-8	2016/1/13
	2-Naphthylamine	209-030-0	553-00-4	
	2-naphthylammonium acetate	-	-	
	Salts of 2-naphthylamine	210-313-6	612-52-2	
13	2-naphthylammonium chloride	-	-	2016/1/13
13	Benzidine and its salts	-	-	2016/1/13
14	4-Nitrobiphenyl	202-204-7	92-93-3	2016/1/13
15	4-Aminobiphenyl xenylamine and its salts 4-Aminobiphenyl xenylamine	202-177-1	92-67-1	2016/1/13
16	Lead carbons	-	-	2016/1/13
	Neutral anhydrous carbonate(PbCO3)	209-943-4	598-63-0	
	Trilead-bis(carbonate)-dihydroxide 2PbCO3-Pb(OH)2)	215-290-6	1319-46-6	
17	Lead sulphates	-	-	2016/1/15
	Lead sulphate PbSO4	231-198-9	7446-14-2	
	Sulphuric acid, lead salt PbSO4	239-831-0	15739-80-7	
18	Mercury compounds	-	-	2016/1/13
18a	Mercury	231-106-7	7439-97-6	2016/1/13
19	Arsenic compounds(Including multiple substances, please refer to for detailed information ECHA Official website of restricted substances)	-	-	2016/1/13
20	Organostannic compounds	-	-	2016/1/13
21	Di-μ-oxo-dinbutylstanniohydroxyborane/ Dibutyltin hydrogen borate C8H19BO3Sn (DBB)	401-040-5	75113-37-0	2016/1/13
23	Cadmium and its compounds(Including multiple substances, please refer to for detailed information ECHA Official website of restricted substances)	231-152-8	7440-43-9	2016/1/13
24	Monomethyl tetrachlorodiphenyl methane Trade name: Ugilec 141	-	76253-60-6	2016/1/13
25	Monomethyl-dichloro-diphenyl methane name: Ugilec 121, Ugilec 21	-	-	2016/1/13
26	Monomethyl-dibromo-diphenyl methane Trade name: DBBT	-	99688-47-8	2016/1/13
27	Nickel and its compounds(Including multiple substances, please refer to for detailed information ECHA Official website of restricted substances)	231-111-4 -	7440-02-0 -	2016/1/13
28	Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively. - Carcinogen category 1B (Table 3.1)/ carcinogen category 2 (Table 3.2) listed in Appendix 2 - Carcinogen category 1A (Table 3.1)/ carcinogen category 1 (Table 3.2) listed in Appendix 1	-	-	2016/1/15

No	Substance name	EC number	CAS number	Date of inclusion
29	Substances which are classified as germ cell mutagen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No1272/2008 and are listed in Appendix 3 or Appendix 4, respectively. — Mutagen category 1B (Table 3.1)/ mutagen category 2 (Table 3.2) listed in Appendix 4 — Mutagen category 1A (Table 3.1)/ mutagen category 1 (Table 3.2) listed in Appendix 3	-	-	2016/1/15
30	Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively. Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6 EC No.: - CAS No.: - Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5	-	-	2016/1/15
31	(a) Creosote; wash oil (b) Creosote oil; wash oil (c) Distillates (coal tar), naphthalene oils; naphthalene oil (d) Creosote oil, acenaphthene fraction; wash oil (e) Distillates (coal tar), upper; heavy anthracene oil (f) Anthracene oil (g) Tar acids, coal, crude; crude phenols (h) Creosote, wood (i) Low temperature tar oil, alkaline: extract residues	232-287-5 263-047-8 283-484-8 292-605-3 266-026-1 292-602-7 266-019-3 232-419-1 310-191-5	8001-58-9 61789-28-4 84650-04-4 90640-84-9 65996-91-0 90640-80-5 65996-85-2 8021-39-4 122384-78-5	2016/1/13
32	Chloroform	200-663-8	67-66-3	2016/1/13
34	1,1,2-Trichloroethane	201-166-9	79-00-5	2016/1/13
35	1,1,2,2-Tetrachloroethane	201-197-8	79-34-5	2016/1/13
36	1,1,1,2-Tetrachloroethane	-	630-20-6	2016/1/13
37	Pentachloroethane	200-925-1	1976/1/7	2016/1/13
38	1,1-Dichloroethene	200-864-0	75-35-4	2016/1/13
40	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No1272/2008 or not	-	-	2016/1/13
41	Hexachloroethane	200-666-4	67-72-1	2016/1/13
43	Azocolourants and Azodyes (Including multiple substances, please refer to for detailed information ECHA Official website of restricted substances)	-	-	2016/1/13

No	Substance name	EC number	CAS number	Date of inclusion
45	Diphenylether, octabromo derivative C ₁₂ H ₂ Br ₈ O	-	-	2016/1/13
46	(a) Nonylphenol C ₆ H ₄ (OH)C ₉ H ₁₉ (b) Nonylphenol ethexylate;(C ₂ H ₄ O) _n C ₁₅ H ₂₄ O	246-672-0 -	25154-52-3 -	2016/1/13
46a	Nonylphenol ethexylate(NPE) (C ₂ H ₄ O) _n C ₁₅ H ₂₄ O : Nonylphenol, ethoxylated 4-Nonylphenol, ethoxylated Isononylphenol, ethoxylated 4-Nonylphenol, branched, ethoxylated Nonylphenol, branched, ethoxylated (Including multiple substances, please refer to for detailed information ECHA Official website of restricted substances)	500-024-6 500-045-0 609-346-2 500-315-8 500-209-1	9016-45-9 26027-38-3 37205-87-1 127087-87-0 68412-54-4; 37205-87-1	2016/1/27
47	Chromium VI compounds (in cement)	-	-	2016/1/13
48	Toluene	203-625-9	108-88-3	2016/1/13
49	Trichlorobenzene	204-428-0	120-82-1	2016/1/13
50	Polycyclic-aromatic hydrocarbons (PAH): Benzo[a]pyrene(BaP) Benzo[e]pyrene(BeP) Benzo[a]anthracene(BaA) Chrysen(CHR) Benzo[b]fluoranthene(BbFA) Benzo[j]fluoranthene(BjFA) Benzo[k]fluoranthene(BkFA) Dibenzo[a,h]anthrene(DBA _h A)	-	50-32-8 192-97-2 56-55-3 218-01-9 205-99-2 205-82-3 207-08-9 53-70-3	2016/1/13
50a	Polycyclic aromatic hydrocarbons (PAHs)(Including multiple substances, please refer to for detailed information ECHA Official website of restricted substances)	-	-	2025/6/3
51	phthalate (a) Bis (2-ethylhexyl) phthalate (DEHP) (b) Dibutyl phthalate (DBP) (c) Benzyl butyl phthalate (BBP) Diisobutyl phthalate (DIBP)	204-211-0 201-557-4 201-622-7 201-553-2	117-81-7 84-74-2 85-68-7 84-69-5	2016/1/15
52	Phthalates (a) Di-"isononyl" phthalate (DINP) 1,2-Benzenedicarboxylic acid, di-C8- 10-branched alkylesters, C9-rich (b) Di-"isodecyl" phthalate (DIDP) 1,2-Benzenedicarboxylic acid, di-C9- 11-branched alkylesters, C10-rich (c) Di-n-octyl phthalate (DNOP)	249-079-5 271-090-9 247-977-1 271-091-4 204-214-7	28553-12-0 68515-48-0 26761-40-0 68515-49-1 117-84-0	2016/1/15
54	2-(2-methoxyethoxy)ethanol (DEGME)	203-906-6	111-77-3	2016/1/13
55	2-(2-butoxyethoxy)ethanol (DEGBE)	203-961-6	112-34-5	2016/1/13
56	Methylenediphenyl diisocyanate (MDI) including the following specific isomers (See group members): · Methylenediphenyl diisocyanate (MDI); · 4,4'-Methylenediphenyl diisocyanate; · 2,4'-Methylenediphenyl diisocyanate; · 2,2'-Methylenediphenyl diisocyanate: (Including multiple substances, please refer to for detailed information ECHA Official website of restricted substances)	247-714-0; 202-966-0; 227-534-9; 219-799-4	26447-40-5; 101-68-8; 5873-54-1; 2536-05-2	2016/1/15
57	Cyclohexane	203-806-2	110-82-7	2016/1/13

No	Substance name	EC number	CAS number	Date of inclusion
58	Ammonium nitrate (AN)	229-347-8	6484-52-2	2016/1/13
59	Dichloromethane	200-838-9	1975/9/2	2016/1/13
60	Acrylamide	-	1979/6/1	2016/1/13
61	Dimethyl fumarate (DMF)	210-849-0	624-49-7	2016/1/13
62	Phenylmercury acetate Phenylmercury propionate Phenylmercury 2-ethylhexanoate Phenylmercury octanoate	200-532-5 203-094-3 236-326-7 - 247-783-7	62-38-4 103-27-5 13302-00-6 26545-49-3 13864-38-5	2016/1/13
63	Lead and its compounds	231-100-4	7439-92-1	2016/1/13
64	1,4-dichlorobenzene	203-400-5	106-46-7	2016/1/13
65	Inorganic ammonium salts(Including multiple substances, please refer to for detailed information ECHA Official website of restricted substances)	-	-	2016/8/4
66	Bisphenol A	201-245-8	80-05-7	2017/1/11
68	C9-C14 linear and/or branched perfluorocarboxylic acids (C9-C14 PFCAs), their salts and C9-C14 PFCAsrelated substances, perfluorononan-1-oic acid (PFNA); nonadecafluorodecanoic acid (PFDA); henicosafluoroundecanoic acid (PFUnDA); tricosafuorododecanoic acid (PFDoDA); pentacosafuorotridecanoic acid (PFTrDA); heptacosafuorotetradecanoic acid (PFTDA); including their salts and precursors (Including multiple substances, please refer to for detailed information ECHA Official website of restricted substances)	206-801-3 206-400-3 218-165-4 206-203-2 276-745-2 206-803-4	375-95-1 335-76-2 2058-94-8 307-55-1 72629-94-8 376-06-7	2017/8/14
69	Methanol	200-659-6	67-56-1	2018/4/20
70	Octamethylcyclotetrasiloxane (D4) Decamethylcyclopentasiloxane (D5) Dodecamethylcyclohexasiloxane (D6)	209-136-7 208-764-9 208-762-8	556-67-2 541-02-6 540-97-6	2018/1/22
71	1-methyl-2-pyrrolidone(NMP)	212-828-1	872-50-4	2018/4/20
72	The substances listed in column 1 of the Table in Appendix 12	-	-	2018/10/13
73	(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) silanetriol Any of its mono-, di- or tri-O-(alkyl) derivatives (TDFAs)(Including multiple substances, please refer to for detailed information ECHA Official website of restricted substances)	257-473-3 288-657-1	51851-37-7 85857-16-5	2019/6/24

No	Substance name	EC number	CAS number	Date of inclusion
74	Diisocyanates 2,2'- Methylenediphenyl diisocyanate mtoylidene diisocyanate 4-methyl-m-phenylene diisocyanate Hexamethylene diisocyanate 2-methyl-m-phenylene diisocyanate 3,3'-dimethylbiphenyl-4,4'-diyl diisocyanate 2,4,6-triisopropyl-m-phenylene diisocyanate 1,3-bis(1-isocyanato-1- methylethyl)benzene 1,5-naphthylenediisocyanate 1,3-bis(isocyanatomethyl)benze ne 3-isocyanatomethyl-3,5,5- trimethylcyclohexylisocyanate 4,4'- methylenedicyclohexyldiisocyanate 2,4'-Methylenediphenyldiisocyanate 4,4'-Methylenediphenyldiisocyanate	219-799-4 247-722-4 209-544-5 212-485-8 202-039-0 202-112-7 218-485-4 220-474-4 221-641-4 222-852-4 223-861-6 225-863-2 227-534-9 202-966-0	2536-05-2 26471-62-5 584-84-9 822-06-0 91-08-7 91-97-4 2162-73-4 2778-42-9 3173-72-6 3634-83-1 4098-71-9 5124-30-1 5873-54-1 101-68-8	2020/8/10
75	Substances in tattoo inks and permanent make up	-	-	2021/1/13
76	N,N-dimethylformamide	200-679-5	68-12-2	2021/11/30
77	Formaldehyde CAS No 50-00-0 EC No 200-001-8 and formaldehydereleasing substances	200-001-8 and formaldehydereleasin g substances	50-00-0and formaldehydereleasin g substances	2023/7/27
78	synthetic polymer microparticles	-	-	2023/10/4
79	Undecafluorohexanoic acid (PFHxA), its salts and related substances(Including multiple substances, please refer to for detailed information ECHA Official website of restricted substances)	-	-	2024/9/30
80	N,N-dimethylacetamide (DMAC)	204-826-4	127-19-5	2025/6/16
81	1-ethylpyrrolidin-2-one (NEP)	220-250-6	2687-91-4	2025/6/16
82	Per- and polyfluoroalkyl substances (PFAS) defined as: any substance that contains at least one fully fluorinated methyl (CF3) or methylene (CF2) carbon atom (without any H/Cl/Br/I attached to it).	-	-	2025/10/17