



Substances of Very High Concern (SVHC) Compliance (REACH)

高度關注物質符合性聲明(REACH)

(1) We hereby represent and warrant that all products and components sold to your company comply with the Substances of Very High Concern (SVHC) limits set out in the EU REACH (EC 1907/2006).

(2) According to the requirements of REACH, if the SVHC substance has >0.1%, we will inform the customer. (※1)

(1) 我們在此聲明並保證銷售給貴公司的所有產品和組件均符合歐盟 REACH (EC 1907/2006) 中規定的高度關注物質 (SVHC) 限值。

(2) 根據 REACH 法規要求，如果 SVHC 物質有>0.1%，我們將主動告知客戶。(※1)

Containing of 241 REACH SVHC are listed :

REACH 241 項高關注物質清單如下：

No.	Substance Name	CAS No.	SVHC 物質含量	Remarks
1	Bis (2-ethylhexyl)phthalate (DEHP) 鄰苯二甲酸二(2-乙基己基)酯	117-81-7	< 1000ppm	
2	Diarsenic pentaoxide 五氧化二砷	1303-28-2	< 1000ppm	
3	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane 六溴環十二烷	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	< 1000ppm	
4	Benzyl butyl phthalate (BBP) 鄰苯二甲酸丁酯苯甲酯	85-68-7	< 1000ppm	
5	Lead hydrogen arsenate 砷酸氫鉛	7784-40-9	< 1000ppm	
6	Alkanes, C10-13, chloro(ShortChain Chlorinated Paraffins) 短鏈氯化石蠟	85535-84-8	< 1000ppm	
7	Anthracene 蒽	120-12-7	< 1000ppm	
8	Diarsenic trioxide 三氧化二砷	1327-53-3	< 1000ppm	
9	Dibutyl phthalate (DBP) 鄰苯二甲酸二丁酯	84-74-2	< 1000ppm	
10	Triethyl arsenate 三乙基砷酸酯	15606-95-8	< 1000ppm	
11	Bis(tributyltin)oxide (TBTO) 氧化三丁錫	56-35-9	< 1000ppm	
12	4,4'-Diaminodiphenylmethane (MDA) 4,4'-二氨基二苯甲烷	101-77-9	< 1000ppm	
13	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) 5-叔丁基-2, 4, 6-三硝基間二甲苯	81-15-2	< 1000ppm	



14	Sodium dichromate 重鉻酸鈉・二倍結晶水	7789-12-0 10588-01-9	< 1000ppm	
15	Anthracene oil, anthracene paste 蒽油,蒽糊	90640-81-6	< 1000ppm	
16	Diisobutyl phthalate (DIBP) 鄰苯二甲酸二異丁酯	84-69-5	< 1000ppm	
17	Anthracene oil, anthracene paste, distn. Lights 蒽油,蒽糊,輕油	91995-17-4	< 1000ppm	
18	Lead sulfochromate yellow (C.I. Pigment Yellow 34) 黃色硫化鉻酸鉛 (C.I.黃色 34)	1344-37-2	< 1000ppm	
19	Pitch, coal tar, high temperature 煤瀝青,高溫	65996-93-2	< 1000ppm	
20	Zirconia Aluminosilicate Refractory Ceramic Fibres 氧化鋯矽酸鋁陶瓷耐火纖維	—	< 1000ppm	
21	Aluminosilicate Refractory Ceramic Fibres 矽酸鋁陶瓷耐火纖維	—	< 1000ppm	
22	Anthracene oil 蒽油	90640-80-5	< 1000ppm	
23	Anthracene oil, anthracene paste, anthracene fraction 蒽油,蒽糊,蒽餾分離液	91995-15-2	< 1000ppm	
24	Tris(2-chloroethyl)phosphate 三 2-(氯乙基)磷酸酯	115-96-8	< 1000ppm	
25	2,4-Dinitrotoluene 2,4-二硝基甲苯	121-14-2	< 1000ppm	
26	Anthracene oil, anthracene-low 蒽油,含蒽量少	90640-82-7	< 1000ppm	
27	Lead chromate 鉻酸鉛	7758-97-6	< 1000ppm	
28	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) 紅色鉬鉻酸鉛硫酸鹽 (C.I.紅色 104)	12656-85-8	< 1000ppm	
29	Acrylamide 丙烯醯胺	79-06-1	< 1000ppm	
30	Boric acid 硼酸	10043-35-3 11113-50-1	< 1000ppm	
31	Potassium chromate 鉻酸鉀	7789-00-6	< 1000ppm	
32	Sodium chromate 鉻酸鈉	7775-11-3	< 1000ppm	
33	Trichloroethylene 三氯乙烯	79-01-6	< 1000ppm	
34	Ammonium dichromate 重鉻酸銨	7789-09-5	< 1000ppm	
35	Potassium dichromate 重鉻酸鉀	7778-50-9	< 1000ppm	
36	Tetraboron disodium heptaoxide, hydrate 水合七氧四硼酸二鈉	12267-73-1	< 1000ppm	
37	Disodium tetraborate, anhydrous 無水四硼酸二鈉	1303-96-4 1330-43-4 12179-04-3	< 1000ppm	
38	2-Ethoxyethanol 乙二醇乙醚	110-80-5	< 1000ppm	



39	Cobalt(II) sulphate 硫酸鈷 (二價)	10124-43-3	< 1000ppm	
40	Cobalt(II) dinitrate 硝酸鈷 (二價)	10141-05-6	< 1000ppm	
41	Chromium trioxide 三氧化鉻	1333-82-0	< 1000ppm	
42	2-Methoxyethanol 乙二醇甲醚	109-86-4	< 1000ppm	
43	Cobalt(II) diacetate 醋酸鈷 (二價)	71-48-7	< 1000ppm	
44	Cobalt(II) carbonate 碳酸鈷 (二價)	513-79-1	< 1000ppm	
45	Acids generated from chromium trioxide and their oligomers. 由三氧化鉻及其低聚物產生的酸。	—	< 1000ppm	
	Chromic acid 鉻酸	7738-94-5	< 1000ppm	
	Dichromic acid 重鉻酸	13530-68-2	< 1000ppm	
	Oligomers of chromic acid and dichromic acid. 鉻酸和二鉻酸的低聚物	—	< 1000ppm	
46	1,2-Benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP) 鄰苯二甲酸二-C6-8-支鏈庚酯	71888-89-6	< 1000ppm	
47	2-Ethoxyethyl acetate 乙二醇乙醚醋酸酯	111-15-9	< 1000ppm	
48	Strontium chromate 鉻酸鋇	7789-06-2	< 1000ppm	
49	Hydrazine 聯胺或水合聯胺	7803-57-8 302-01-2	< 1000ppm	
50	1-Methyl-2-pyrrolidone 1-甲基吡咯烷酮	872-50-4	< 1000ppm	
51	1,2-Benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNUP) 鄰苯二甲酸二(C7-11 支鏈與直鏈)烷基酯	68515-42-4	< 1000ppm	
52	1,2,3-Trichloropropane 1,2,3-三氯丙烷	96-18-4	< 1000ppm	
53	Cobalt dichloride 氯化鈷	7646-79-9	< 1000ppm	
54	Dichromium tris(chromate) 鉻酸鉻	24613-89-6	< 1000ppm	
55	Phenolphthalein 酚酞	77-09-8	< 1000ppm	
56	2,2'-dichloro-4,4'-methylenedianiline(MOCA) 4,4'-亞甲雙(2-氯苯胺)或稱2,2'-二氯-4,4'-亞甲基二苯胺	101-14-4	< 1000ppm	
57	Lead styphnate 史蒂芬酸鉛或稱2,4,6-三硝基間苯二酚鉛	15245-44-0	< 1000ppm	
58	Lead azide 疊氮化鉛	13424-46-9	< 1000ppm	
59	Bis(2-methoxyethyl) phthalate 鄰苯二甲酸二(2-甲氧基乙)酯	117-82-8	< 1000ppm	
60	Formaldehyde, oligomeric reaction products with aniline (technical MDA) 甲醛與苯胺寡聚反應的產物(工業級 MDA)	25214-70-4	< 1000ppm	
61	4-(1,1,3,3-tetramethylbutyl)phenol 4-三級辛基苯酚	140-66-9	< 1000ppm	



62	Pentazinc chromate octahydroxide 鉻酸五鋅八氫氧化物	49663-84-5	< 1000ppm	
63	1,2-dichloroethane 1,2-二氯乙烷	107-06-2	< 1000ppm	
64	Trilead diarsenate 砷酸鉛	3687-31-8	< 1000ppm	
65	2-Methoxyaniline; o-Anisidine 鄰-甲氧苯胺	90-04-0	< 1000ppm	
66	Arsenic acid 砷酸	7778-39-4	< 1000ppm	
67	N,N-dimethylacetamide (DMAC) N,N-二甲基乙醯胺	127-19-5	< 1000ppm	
68	Lead dipicrate 二苦味酸鉛	6477-64-1	< 1000ppm	
69	Potassium hydroxyoctaoxodizincatedichromate 氫氧化鉻酸鋅鉀	11103-86-9	< 1000ppm	
70	Bis(2-methoxyethyl) ether 二乙二醇二甲醚	111-96-6	< 1000ppm	
71	Calcium arsenate 砷酸鈣	7778-44-1	< 1000ppm	
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) 三乙二醇二甲醚	112-49-2	< 1000ppm	
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) 乙二醇二甲醚	110-71-4	< 1000ppm	
74	Diboron trioxide 氧化硼	1303-86-2	< 1000ppm	
75	Formamide 甲醯胺	75-12-7	< 1000ppm	
76	Lead(II) bis(methanesulfonate) 甲基磺酸鉛	17570-76-2	< 1000ppm	
77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5- triazine-2,4,6-trione (TGIC) 異氰尿酸三縮水甘油酯	2451-62-9	< 1000ppm	
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]- 1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC) β型異氰尿酸三縮水甘油酯	59653-74-6	< 1000ppm	
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone) 4,4'-二(N,N-二甲胺基)二苯基酮(米其勒酮)	90-94-8	< 1000ppm	
80	N,N,N',N'-tetramethyl-4,4'- methylenedianiline (Michler's base) 4,4'-亞甲基雙(N,N-二甲苯胺)(米其勒鹼)	101-61-1	< 1000ppm	
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1- ylidene]dimethylammonium chloride (C.I. Basic Violet 3) 鹼性紫 3	548-62-9	< 1000ppm	
82	[4-[[4-anilino-1-naphthyl][4- (dimethylamino)phenyl]methylene]cyclo hexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) C.I. 鹼性藍 26 ([4-[[4-苯胺基-1-萘基][4-(二 甲基胺基)苯基]亞甲基]環己-2,5-二烯-1-亞基)二	2580-56-5	< 1000ppm	



	甲基氯化鉍			
83	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1- methanol (C.I. Solvent Blue 4) C.I. 溶劑藍 4 α,α -雙[4-(二甲基胺基)苯基]-4-(苯 基胺基)-1-萘甲醇	6786-83-0	< 1000ppm	
84	4,4'-bis(dimethylamino)-4''- (methylamino)trityl alcohol α,α -二[(二甲基氨基)苯基]-4-甲氨基苯甲醇	561-41-1	< 1000ppm	
85	Pyrochlore, antimony lead yellow 燒綠石銻鉛黃	8012-00-8	< 1000ppm	
86	6-methoxy-m-toluidine (p-cresidine) 6-甲氧基-間-甲苯胺	120-71-8	< 1000ppm	
87	Henicosfluoroundecanoic acid 全氟十一酸	2058-94-8	< 1000ppm	
88	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride 甲基六氫鄰苯二甲酐, 4-甲基六氫鄰苯二甲酐, 1-甲基六氫鄰苯二甲酐, 3-甲基六氫鄰苯二甲酐	25550-51-0 19438-60-9 48122-14-1 57110-29-9	< 1000ppm	
89	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) cis-cyclohexane-1,2-dicarboxylic anhydride trans-cyclohexane-1,2-dicarboxylic anhydride 六氫鄰苯二甲酐六氫酞酸酐 順1,2-環 己二甲酸酐	85-42-7 13149-00-3 14166-21-3	< 1000ppm	
90	Dibutyltin dichloride (DBTC) 二氯化二丁錫	683-18-1	< 1000ppm	
91	Lead bis(tetrafluoroborate) 二(四氟硼酸)鉛	13814-96-5	< 1000ppm	
92	Lead dinitrate 硝酸鉛	10099-74-8	< 1000ppm	
93	Silicic acid, lead salt 矽酸鉛	11120-22-2	< 1000ppm	
94	4-Aminoazobenzene 4-胺基偶氮苯	60-09-3	< 1000ppm	
95	Lead titanium zirconium oxide 鉛鈦鉛氧化物	12626-81-2	< 1000ppm	
96	Lead monoxide (lead oxide) 一氧化鉛	1317-36-8	< 1000ppm	
97	o-Toluidine 鄰-甲苯胺	95-53-4	< 1000ppm	
98	3-ethyl-2-methyl-2-(3-methylbutyl)- 1,3-oxazolidine 乙基-2-甲基-2-(3-甲基丁基)-1,3-噁唑烷	143860-04-2	< 1000ppm	
99	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped 摻雜鉛的矽酸鋇	68784-75-8	< 1000ppm	
100	Trilead bis(carbonate)dihydroxide 鹼式碳酸鉛	1319-46-6	< 1000ppm	



101	Furan 呋喃	110-00-9	< 1000ppm	
102	N,N-dimethylformamide 二甲基甲醯胺	68-12-2	< 1000ppm	
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated 4-(1,1,3,3-四甲基丁基)苯酚，乙氧基化	—	< 1000ppm	
104	4-Nonylphenol, branched and linear 4-壬基酚，支鍊和直鍊	—	< 1000ppm	
105	4,4'-methylenedi-o-toluidine 4,4'-亞甲基二-鄰-甲苯胺	838-88-0	< 1000ppm	
106	Diethyl sulphate 硫酸二乙酯	64-67-5	< 1000ppm	
107	Dimethyl sulphate 硫酸二甲酯	77-78-1	< 1000ppm	
108	Lead oxide sulfate 鹼式硫酸鉛	12036-76-9	< 1000ppm	
109	Lead titanium trioxide 鈦酸鉛(II)	12060-00-3	< 1000ppm	
110	Acetic acid, lead salt, basic 鹼式乙酸鉛	51404-69-4	< 1000ppm	
111	[Phthalato(2-)]dioxotrilead 二鹼式鄰苯二甲酸鉛	69011-06-9	< 1000ppm	
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) 十溴二苯醚	1163-19-5	< 1000ppm	
113	N-methylacetamide N-甲基乙醯胺	79-16-3	< 1000ppm	
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol) 達諾殺	88-85-7	< 1000ppm	
115	1,2-Diethoxyethane 乙二醇二乙醚	629-14-1	< 1000ppm	
116	Tetralead trioxide sulphate 三鹼式硫酸鉛	12202-17-4	< 1000ppm	
117	N-pentyl-isopentylphthalate 鄰苯二甲酸正戊基異戊基酯	776297-69-9	< 1000ppm	
118	Dioxobis(stearato)trilead 雙(十八酸基)二氧三鉛	12578-12-0	< 1000ppm	
119	Tetraethyllead 四乙基鉛	78-00-2	< 1000ppm	
120	Pentalead tetraoxide sulphate 硫酸四氧化五鉛	12065-90-6	< 1000ppm	
121	Pentacosfluorotridecanoic acid 全氟十三酸	72629-94-8	< 1000ppm	
122	Tricosfluorododecanoic acid 全氟十二酸	307-55-1	< 1000ppm	
123	Heptacosfluorotetradecanoic acid 全氟十四酸	376-06-7	< 1000ppm	
124	1-bromopropane (n-propyl bromide) 1-溴丙烷	106-94-5	< 1000ppm	
125	Methoxyacetic acid 甲氧基乙酸	625-45-6	< 1000ppm	
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine) 4-甲基-間-苯二胺(2,4-二胺基甲苯)	95-80-7	< 1000ppm	
127	Methyloxirane (Propylene oxide) 環氧丙烷	75-56-9	< 1000ppm	



128	Trilead dioxide phosphonate 二鹼式亞磷酸鉛	12141-20-7	< 1000ppm	
129	o-aminoazotoluene 鄰-胺基偶氮甲苯	97-56-3	< 1000ppm	
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear 支鏈和直鏈 1,2-苯二甲酸二戊酯	84777-06-0	< 1000ppm	
131	4,4'-oxydianiline and its salts 4,4'-氧二苯胺及其鹽類	101-80-4	< 1000ppm	
132	orange lead (Lead tetroxide) 四氧化三鉛(鉛丹)	1314-41-6	< 1000ppm	
133	Biphenyl-4-ylamine 4-胺基聯苯	92-67-1	< 1000ppm	
134	Diisopentylphthalate 鄰苯二甲酸二異戊酯	605-50-5	< 1000ppm	
135	Fatty acids, C16-18, lead salts C16-18-脂肪酸鉛鹽	91031-62-8	< 1000ppm	
136	Diazeno-1,2-dicarboxamide 1,1'-偶氮雙甲醯胺	123-77-3	< 1000ppm	
137	Sulfurous acid, lead salt, dibasic 亞硫酸鉛	62229-08-7	< 1000ppm	
138	Lead cyanamidate 氰胺化鉛	20837-86-9	< 1000ppm	
139	Cadmium 鎘	7440-43-9	< 1000ppm	
140	Cadmium oxide 氧化鎘	1306-19-0	< 1000ppm	
141	Ammonium pentadecafluorooctanoate (APFO) 全氟辛酸銨	3825-26-1	< 1000ppm	
142	Pentadecafluorooctanoic acid (PFOA) 全氟辛酸	335-67-1	< 1000ppm	
143	Dipentyl phthalate (DPP) 鄰苯二甲酸二戊酯	131-18-0	< 1000ppm	
144	4-Nonylphenol, branched and linear, ethoxylated 4-壬基酚，支鍊和直鍊，乙氧基化	—	< 1000ppm	
145	Cadmium sulphide 硫化鎘	1306-23-6	< 1000ppm	
146	Diethyl phthalate 鄰苯二甲酸二己酯	84-75-3	< 1000ppm	
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) 直接紅 28	573-58-0	< 1000ppm	
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) 直接黑 38	1937-37-7	< 1000ppm	
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol 伸乙硫脲	96-45-7	< 1000ppm	
150	Lead di(acetate) 醋酸鉛	301-04-2	< 1000ppm	
151	Triethyl phosphate 磷酸三(二甲苯)酯	25155-23-1	< 1000ppm	
152	Cadmium chloride 氯化鎘	10108-64-2	< 1000ppm	



153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear 支鏈和直鏈的1,2-苯二甲酸二己酯	68515-50-4	< 1000ppm	
154	Sodium peroxometaborate 過硼酸鈉	7632-04-4	< 1000ppm	
155	Sodium perborate; perboric acid, sodium salt 過硼酸鈉	—	< 1000ppm	
156	Cadmium fluoride 氟化鎘	770-79-6	< 1000ppm	
157	Cadmium sulphate 硫酸鎘	10124-36 431119-53-6	< 1000ppm	
158	2-benzotriazol-2-yl-4,6-di-tert- butylphenol (UV-320) 2-苯并三唑-2-基-4,6-二-三級-丁基苯酚	3846-71-7	< 1000ppm	
159	2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328) 2-(2H-苯并三唑-2-基)-4,6-二三級戊基苯酚	25973-55-1	< 1000ppm	
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4 stannatetradecanoate (DOTE) 10-乙基-4,4-二辛基-7-側氧-8-氧代-3,5-二硫代-4-錫代十四酸 2-乙基己酯(DOTE)	15571-58-1	< 1000ppm	
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-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate 反應物質的 2-乙基己基 10-乙基-4,4-二辛基-7-氧代-8-氧雜-3,5-二硫雜-4-十四烷基十二烷酸酯和 2-乙基己基 10-乙基-4-[[2-[(2-乙基己基)氧基]-2-氧代乙基]硫代]-4-辛基-7-氧代-8-氧雜-3,5-二硫雜-4-十四烷基十二烷酸酯	—	< 1000ppm	
162	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) 1,2-苯二甲酸二 C6-10 烷基酯; 1,2-苯二甲酸混合癸與己和辛二酯, 包含≥0.3%的鄰苯二甲酸二己酯(DNHP)	68515-51-5 68648-93-1	< 1000ppm	
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] 5-仲丁基-2-(2,4-二甲基環己-3-烯-1-基)-5-甲基-1,3-二噁烷[1], 5-仲丁基-2-(4,6-二甲基環己-3-烯-1-基)-5-甲基-1,3-二噁烷[2]	—	< 1000ppm	
164	Nitrobenzene 硝苯	98-95-3	< 1000ppm	
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	< 1000ppm	



	2,4-貳三級丁基-6-(5-氯苯三唑-2-基)苯酚			
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) 2-(2H-苯并三唑-2-基)-4-三級丁基-6-二級丁基苯酚	253-037-1	< 1000ppm	
167	1,3-propanesultone 1,3-丙磺內酯	1120-71-4	< 1000ppm	
168	Perfluorononan-1-oic-acid and its sodium and ammonium salt 全氟壬酸及其鈉與銨鹽	375-95-1	< 1000ppm	
169	Benzo[def]chrysene (Benzo[a]pyrene) 苯并[a]芘	50-32-8	< 1000ppm	
170	4,4'-isopropylidenediphenol 雙酚 A	80-05-7	< 1000ppm	
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 a combination thereof 4-庚基苯酚	—	< 1000ppm	
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Ammonium nonadecafluorodecanoate Decanoic acid, nonadecafluoro-, sodium Salt 全氟癸酸, 及其鈉與銨鹽	335-76-2 3108-42-7 3830-45-3	< 1000ppm	
173	p-(1,1-dimethylpropyl)phenol 對-(1,1-二甲基丙基)苯酚	80-46-6	< 1000ppm	
174	Perfluorohexane-1-sulphonic acid and its salts 全氟己-1-磺酸及其鹽類	—	< 1000ppm	
175	Chrysene 1,2-苯并菲	218-01-9	< 1000ppm	
176	Benz[a]anthracene 苯[a]蒽	56-55-3	< 1000ppm	
177	Cadmium nitrate 硝酸鎘	10325-94-7	< 1000ppm	
178	Cadmium hydroxide 氫氧化鎘	21041-95-2	< 1000ppm	
179	Cadmium carbonate 碳酸鎘	513-78-0	< 1000ppm	
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"™) 1,6,7,8,9,14,15,16,17,17,18,18-十二氯五環[12.2.1.16,9.02,13.05,10]十八碳-7,15-二烯	—	< 1000ppm	
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) 1,3,4-噻二唑-2,5-二硫醇與甲醛和支鏈和直鏈 4-	—	< 1000ppm	



	庚基酚的反應產物			
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA) 1,2,4-苯三甲酸酐	552-30-7	< 1000ppm	
183	Benzo[ghi]perylene 苯并[g,h,i]芘	191-24-2	< 1000ppm	
184	Decamethylcyclopentasiloxane (D5) 十甲基環五矽氧烷	541-02-6	< 1000ppm	
185	Dicyclohexyl phthalate (DCHP) 鄰苯二甲酸二環己酯	84-61-7	< 1000ppm	
186	Disodium octaborate 八硼酸二鈉	12008-41-2	< 1000ppm	
187	Dodecamethylcyclohexasiloxane (D6) 十二甲基環六矽氧烷	540-97-6	< 1000ppm	
188	Ethylenediamine (EDA) 乙二胺	107-15-3	< 1000ppm	
189	Lead 鉛	7439-92-1	< 1000ppm	※1
190	Octamethylcyclotetrasiloxane (D4) 八甲基環四矽氧烷	556-67-2	< 1000ppm	
191	Terphenyl, hydrogenated 氫化聯三苯	61788-32-7	< 1000ppm	
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane 2,2-雙(4'-羥苯基)-4-甲基戊烷	6807-17-6	< 1000ppm	
193	Benzo[k]fluoranthene 苯并[k]1,2-苯并芘	207-08-9	< 1000ppm	
194	Fluoranthene 1,2-苯并芘	206-44-0	< 1000ppm	
195	Phenanthrene 菲	85-01-8	< 1000ppm	
196	Pyrene 芘	129-00-0	< 1000ppm	
197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) 1,7,7-三甲基-3-(苯亞甲基)雙環[2.2.1]庚-2-酮 (3-亞苺基樟腦)	15087-24-8	< 1000ppm	
198	2-methoxyethyl acetate 2-甲氧基乙酸乙酯	110-49-6	< 1000ppm	
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) 三(4-壬基苯基, 支鍊和直鍊)亞磷酸酯(TNPP) (4-壬基酚 4-NP, 支鍊和直鍊濃度≥ 0.1%重量比)	—	< 1000ppm	
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) (denoted as HFPO-DA)	—	< 1000ppm	



	2,3,3,3-四氟-2-(七氟丙氧基)丙酸·及其鹽類與鹵化醯類 (含各自的異構物及其組合) (HFPO-DA)			
201	4-tert-butylphenol (PTBP) 對-第三丁基苯酚(PTBP)	98-54-4	< 1000ppm	
202	Diisohexyl phthalate 鄰苯二甲酸二異己酯	71850-09-4	< 1000ppm	
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone 2-苄基-2-二甲胺基-4'-【口末】啉丁醯苯	119313-12-1	< 1000ppm	
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one 2-甲基-1-(4-甲基硫苯基)-2【口末】啉丙-1-酮	71868-10-5	< 1000ppm	
205	Perfluorobutane sulfonic acid (PFBS) and its salts 全氟丁烷磺酸及其鹽類	—	< 1000ppm	
206	1-vinylimidazole 1-乙烯基咪唑	1072-63-5	< 1000ppm	
207	2-methylimidazole 2-甲基咪唑	693-98-1	< 1000ppm	
208	butyl 4-hydroxybenzoate 4-羥基苯甲酸丁酯	94-26-8	< 1000ppm	
209	Dibutylbis(pentane-2,4-dionato-O,O')tin 二丁基雙(2,4-戊二酮基)錫	22673-19-4	< 1000ppm	
210	Bis(2-(2-methoxyethoxy)ethyl)ether 雙(2-(2-甲氧基乙氧基)乙基)醚	143-24-8	< 1000ppm	
211	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 二月桂酸二辛基錫；二辛基-錫烷雙(椰油醯氧基)衍生物；以及任何其他二辛基-錫烷雙(椰油醯氧基)衍生物且脂肪醯氧基部分的主要碳數為 C12	—	< 1000ppm	
	dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. 二月桂酸二辛基錫；二辛基-錫烷雙(椰油醯氧基)衍生物	—	< 1000ppm	
	Stannane, dioctyl-, bis(coco acyloxy) derivs. 二辛基-錫烷雙(椰油醯氧基)衍生物	91648-39-4	< 1000ppm	
	Diocetyl tin dilaurate 二月桂酸二辛基錫	3648-18-8	< 1000ppm	
212	1,4-dioxane 1,4-二【口罌】烷；(1,4-二氧陸圓)	123-91-1	< 1000ppm	
213	(1)2,2-bis(bromomethyl)propane 1,3-diol (BMP) (2)2,2-dimethylpropan-1-ol, tribromo	(1)3296-90-0 (2)36483-57-5/	< 1000ppm	



	derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol(TBNPA) (3)2,3-dibromo-1-propanol (2,3-DBPA) (1) 2, 2-雙(溴甲基)-1, 3-丙二醇 (BMP) (2) 2, 2-二甲基丙醇, 三溴衍生物/3-溴-2, 2-雙(溴甲基)-1-丙醇 (TBNPA) (3) 2, 3-二溴-1-丙醇 (2, 3-DBPA)	1522-92-5 (3)96-13-9		
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers: (2R)-3-(4-tert-butylphenyl)-2-methylpropanal 2-(4-tert-butylbenzyl)propionaldehyde (2S)-3-(4-tert-butylphenyl)-2-methylpropanal 2-(4-三級丁基苄基)丙醛及其獨立體異構物	75166-31-3 80-54-6 75166-30-2	< 1000ppm	
215	4,4'-(1-methylpropylidene)bisphenol 4, 4'-(1-甲基亞丙基)雙酚 (雙酚 B)	77-40-7	< 1000ppm	
216	Glutaral 戊二醛	111-30-8	< 1000ppm	
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 from C14 to C17 中鏈氯化石蠟 (MCCP) [UVCB 物質, 由大於或等於 80% 直鏈氯代烷烴組成, 其碳鏈長度範圍在 C14 至 C17 之間]	—	< 1000ppm	
218	orthoboric acid, sodium salt: boric acid (H3BO3), sodium salt, hydrate Boric acid (H3BO3), disodium salt Trisodium orthoborate Boric acid, sodium salt Orthoboric acid, sodium salt Boric acid (H3BO3), sodium salt (1:1) 硼酸鈉鹽	25747-83-5 22454-04-2 14312-40-4 1333-73-9 13840-56-7 14890-53-0	< 1000ppm	
219	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 4-isododecylphenol Phenol, 4-isododecyl- Phenol, dodecyl-, branched Phenol, (tetrapropenyl) derivatives Phenol, tetrapropylene- 由寡聚合反應形成具有主要 C12 支鏈烷基酚的烷基化(主要在對位)產物, 包括任何獨立同分異構物及/或相關組合 (PDDP)	210555-94-5 27459-10-5 27147-75-7 121158-58-5 74499-35-7 57427-55-1	< 1000ppm	
220	tris(2-methoxyethoxy)vinylsilane 乙烯基-三(2-甲氧基乙氧基)矽烷	1067-53-4	< 1000ppm	



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 S-(三環[5.2.1.0'2, 6]癸-3-烯-8(或 9)-基)O-(異丙基 或異丁基或 2-乙基己基)O-(異丙基或異丁基或 2- 乙基己基)二硫代磷酸酯	255881-94-8	< 1000ppm	
222	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 6,6'-二叔丁基-2,2'-亞甲基二-對甲酚	119-47-1	< 1000ppm	
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) (±)-1,7,7-三甲基-3-[(4-甲基苯基)亞甲基]雙環 [2.2.1]庚-2-酮，包括任何單獨的異構體和/或其 組合(4-MBC)	—	< 1000ppm	
224	N-(羥甲基)丙烯醯胺 N-(hydroxymethyl)acrylamide	924-42-5	< 1000ppm	
225	1,1'-[乙烷-1,2-二基雙氧基] 雙[2,4,6-三溴苯] 1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6- tribromobenzene]	37853-59-1	< 1000ppm	
226	2,2',6,6'-四溴-4,4'-異亞丙基二苯酚 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	< 1000ppm	
227	4,4'-磺醯基二苯酚 4,4'-sulphonyldiphenol	80-09-1	< 1000ppm	
228	四氧化二硼鋇 Barium diboron tetraoxide	13701-59-2	< 1000ppm	
229	雙(2-乙基己基)四溴鄰苯二甲酸酯，包括任何 單個異構體和/或其組合：四溴鄰苯二甲酸雙(2- 乙基己酯) bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof: Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7	< 1000ppm	
230	4-羥基苯甲酸異丁酯 Isobutyl 4-hydroxybenzoate	4247-02-3	< 1000ppm	
231	三聚氰胺 Melamine	108-78-1	< 1000ppm	
232	全氟庚酸及其鹽類 Perfluoroheptanoic acid and its salts:	20109-59-5 375-85-9 21049-36-5 6130-43-4	< 1000ppm	
233	2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙-2-基) 【口末】啉和 2,2,3,3,5,5,6,6-八氟-4-(七 氟丙基) 【口末】啉的反應物 reaction mass of 2,2,3,3,5,5,6,6- octafluoro -4-2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-hepta fluoropropan-2-yl)morpholine and	—	< 1000ppm	



	2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine			
234	二苯基(2,4,6-三甲基苯甲醯基)膦氧化物 Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	< 1000ppm	
235	雙(4-氯苯基)磺 Bis(4-chlorophenyl) sulphone	80-07-9	< 1000ppm	
236	2,4,6-參-三級-丁基苯酚 2,4,6-tri-tert-butylphenol	732-26-3	< 1000ppm	
237	2-(2H-苯并三唑-2-基)-4-(1,1,3,3-四甲基丁基)苯酚 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	3147-75-9	< 1000ppm	
238	2-(二甲胺基)-2-[(4-甲基苯基)甲基]-1-[4-(【口末】 啉-4-基)苯基]丁-1-酮 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	< 1000ppm	
239	布美三唑 Bumetrizole	3896-11-5	< 1000ppm	
240	2-苯基丙烯與苯酚的寡聚和烷基化反應產物 Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	—	< 1000ppm	
241	雙(α,α-二甲基苄基)過氧化物 Bis(α,α-dimethylbenzyl) peroxide	80-43-3	< 1000ppm	

Note: Candidate List of Substances of High Concern on ECHA Website

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

※1. 針對鉛，本公司五金材料使用含鉛的快削金屬，鉛含量符合歐盟 RoHS 指令(2011/65/EU) 附錄三裡 6(a)-I、6(c)的豁免排外，但是超過 REACH 法規要求的 SVHC 物質需<0.1%，根據 REACH 法規要求在此告知客戶。

※1. For lead, our company's hardware materials use lead-containing fast-cutting metals, and the lead content complies with the exemption of 6(a)-I, 6(c) in Appendix III of the EU RoHS Directive (2011/65/EU). However, SVHC substances exceeding the REACH requirements are subject to <0.1% and are hereby notified to customers in accordance with REACH regulations.

Annex III to Directive RoHS 2011/65/EU RoHS 指令 2011/65 / EU 附件 III		Expiration Date of Exemption 豁免到期日
6(a)-I	Lead as an alloying element in steel for machining purposes containing up to 0,35 %. 鉛作為鋼中的合金元素，含量不超過 0.35%	2024 / 07 / 21 Renewal requested 要求續訂狀態
6(c)	Copper alloy containing up to 4 % lead by weight. 銅合金所含的鉛，最高可達 4%	2026 / 07 / 21 Renewal requested 要求續訂狀態



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負責人簽名(Authorized Signature): Alan Lo.

日期 (Date): **July 3, 2024**

公司章(Supplier's Company Stamp):

