



Declaration of REACH

We hereby make declaration to our best knowledge that our products are free of SVHC (Substance of Very High Concern) of European Union REACH directive as listed below.

NO.	中文物質名稱	Substance name	EC number	CAS number	W/W
1	鄰苯二甲酸二(2-乙基己基)酯	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	< 0.1%
2	五氧化二砷	Diarsenic pentaoxide	215-116-9	1303-28-2	< 0.1%
3	六溴環十二烷	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane	247-148-4 and 221-695-9	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	< 0.1%
4	鄰苯二甲酸丁酯苯甲酯	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	< 0.1%
5	砷酸氫鉛	Lead hydrogen arsenate	232-064-2	7784-40-9	< 0.1%
6	短鏈氯化石蠟	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	< 0.1%
7	蒽	Anthracene	204-371-1	120-12-7	< 0.1%
8	三氧化二砷	Diarsenic trioxide	215-481-4	1327-53-3	< 0.1%
9	鄰苯二甲酸二丁酯	Dibutyl phthalate (DBP)	201-557-4	84-74-2	< 0.1%
10	三乙基砷酸酯	Triethyl arsenate	427-700-2	15606-95-8	< 0.1%
11	氧化三丁錫	Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	< 0.1%
12	4,4'-二氨基二苯甲烷	4,4'-Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	< 0.1%
13	5-叔丁基-2,4,6-三硝基間二甲苯	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	< 0.1%
14	重鉻酸鈉·二倍結晶水	Sodium dichromate	234-190-3	7789-12-0	< 0.1%
15	蒽油,蒽糊	Anthracene oil, anthracene paste	292-603-2	90640-81-6	< 0.1%
16	鄰苯二甲酸二異丁酯	Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	< 0.1%
17	蒽油·蒽糊·輕油	Anthracene oil, anthracene paste, distn. Lights	295-278-5	91995-17-4	< 0.1%
18	黃色硫化鉻酸鉛 (C.I.黃色 34)	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	< 0.1%
19	煤瀝青,高溫	Pitch, coal tar, high temperature	266-028-2	65996-93-2	< 0.1%



20	氧化鋯矽酸鋁陶瓷耐火纖維	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	From 650-017-00-8	-	< 0.1%
21	矽酸鋁陶瓷耐火纖維	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	From 650-017-00-8	-	< 0.1%
22	蔥油	Anthracene oil	292-602-7	90640-80-5	< 0.1%
23	蔥油,蔥糊,蔥餾分離液	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	< 0.1%
24	三(2-氯乙基)磷酸酯	Tris(2-chloroethyl)phosphate (TCEP)	204-118-5	115-96-8	< 0.1%
25	2,4-二硝基甲苯	2,4-Dinitrotoluene	204-450-0	121-14-2	< 0.1%
26	蔥油,含蔥量少	Anthracene oil, anthracene-low	292-604-8	90640-82-7	< 0.1%
27	鉻酸鉛	Lead chromate	231-846-0	7758-97-6	< 0.1%
28	紅色鉬鉻酸鉛硫酸鹽 (C.I.紅色 104)***	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	< 0.1%
29	丙烯醯胺	Acrylamide	201-173-7	79-06-1	< 0.1%
30	硼酸	Boric acid	233-139-2 234-343-4	10043-35-3 11113-50-1	< 0.1%
31	鉻酸鉀	Potassium chromate	232-140-5	7789-00-6	< 0.1%
32	鉻酸鈉	Sodium chromate	231-889-5	7775-11-3	< 0.1%
33	三氯乙烯	Trichloroethylene	201-167-4	79-01-6	< 0.1%



34	重鉻酸銨	Ammonium dichromate	232-143-1	7789-09-5	< 0.1%
35	重鉻酸鉀	Potassium dichromate	231-906-6	7778-50-9	< 0.1%
36	水合七氧四硼酸二鈉	Tetraboron disodium heptaoxide,hydrate	235-541-3	12267-73-1	< 0.1%
37	無水四硼酸二鈉	Disodium tetraborate, anhydrous	215-540-4	1303-96-4 1330-43-4 12179-04-3	< 0.1%
38	乙二醇單乙醚	2-Ethoxyethanol	203-804-1	110-80-5	< 0.1%
39	硫酸鈷(二價)	Cobalt(II) sulphate	233-334-2	10124-43-3	< 0.1%
40	硝酸鈷(二價)	Cobalt(II) dinitrate	233-402-1	10141-05-6	< 0.1%
41	三氧化鉻	Chromium trioxide	215-607-8	1333-82-0	< 0.1%
42	乙二醇單甲醚	2-Methoxyethanol	203-713-7	109-86-4	< 0.1%
43	醋酸鈷(二價)	Cobalt(II) diacetate	200-755-8	71-48-7	< 0.1%
44	碳酸鈷(二價)	Cobalt(II) carbonate	208-169-4	513-79-1	< 0.1%
45	從三氧化鉻生成的酸類與其它寡體：	Acids generated from chromium trioxide and their oligomers：	-	-	< 0.1%
	鉻酸	Chromic acid	231-801-5	7738-94-5	< 0.1%
	重鉻酸	Dichromic acid	236-881-5	13530-68-2	< 0.1%
	鉻酸及重鉻酸的其它寡體	Oligomers of chromic acid and dichromic acid	-	-	< 0.1%
46	鄰苯二甲酸二-C6-8-支鏈庚酯	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	276-158-1	71888-89-6	< 0.1%
47	乙二醇乙醚醋酸酯	2-Ethoxyethyl acetate	203-839-2	111-15-9	< 0.1%
48	鉻酸鋇	Strontium chromate	232-142-6	2151068	< 0.1%
49	聯胺或水合聯胺	Hydrazine	206-114-9	7803-57-8 302-01-2	< 0.1%
50	1-甲基-2-吡咯烷酮	1-Methyl-2-pyrrolidinone	212-828-1	872-50-4	< 0.1%
51	鄰苯二甲酸二(C7-11支鏈與直鏈)烷基酯	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)	271-084-6	68515-42-4	< 0.1%
52	1,2,3-三氯丙烷	1,2,3-Trichloropropane	202-486-1	96-18-4	< 0.1%
53	氯化鈷	Cobalt dichloride	231-589-4	7646-79-9	< 0.1%
54	鉻酸鉻	Dichromium tris(chromate)	246-356-2	24613-89-6	< 0.1%
55	酚酞	Phenolphthalein	201-004-7	77-09-8	< 0.1%
56	4,4'-亞甲雙(2-氯苯胺)或稱2,2'-二氯-4,4'-亞甲基二苯胺	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4	< 0.1%
57	史蒂芬酸鉛或稱2,4,6-三硝基間苯二酚鉛	Lead styphnate	239-290-0	15245-44-0	< 0.1%
58	疊氮化鉛	Lead azide	236-542-1	13424-46-9	< 0.1%
59	鄰苯二甲酸二甲氧基乙酯	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	< 0.1%
60	甲醛與苯胺寡聚反應的產物(工業級MDA)	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	500-036-1	25214-70-4	< 0.1%
61	4-三級辛基苯酚	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	< 0.1%
62	鉻酸五鋅八氫氧化物	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	< 0.1%
63	1,2-二氯乙烷	1,2-Dichloroethane	203-458-1	107-06-2	< 0.1%
64	砷酸鉛	Trilead diarsenate	222-979-5	3687-31-8	< 0.1%
65	鄰-甲氧苯胺	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	< 0.1%
66	砷酸	Arsenic acid	231-901-9	7778-39-4	< 0.1%
67	N,N-二甲基乙醯胺	N,N-dimethylacetamide(DMAC)	204-826-4	127-19-5	< 0.1%
68	二苦味酸鉛	Lead dipicrate	229-335-2	6477-64-1	< 0.1%
69	氫氧化鉻酸鋅鉀	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	< 0.1%
70	二乙二醇二甲醚	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	< 0.1%
71	砷酸鈣	Calcium arsenate	231-904-5	7778-44-1	< 0.1%
72	三乙二醇二甲醚	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	< 0.1%



73	乙二醇二甲醚	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	< 0.1%
74	氧化硼	Diboron trioxide	215-125-8	1303-86-2	< 0.1%
75	甲醯胺	Formamide	200-842-0	75-12-7	< 0.1%
76	甲基磺酸鉛	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	< 0.1%
77	異氰尿酸三縮水甘油酯	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	< 0.1%
78	β型異氰尿酸三縮水甘油酯	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	< 0.1%
79	4,4'-二(N,N-二甲胺基)二苯基酮(米其勒酮)	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	< 0.1%
80	4,4'-亞甲基雙(N,N-二甲胺基)米其勒鹼	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	< 0.1%
81	鹼性紫 3	[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	< 0.1%
82	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]環己二烯-1-亞基]二甲基氯化銨	[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	< 0.1%
83	C.I. 溶劑藍 4α,α-雙[4-(二甲基胺基)苯基]-4-(苯基胺基)-1-萘甲醇	α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0	< 0.1%
84	4,4'-雙(二甲基胺基)-4',4'-二(甲基胺基)三苯基甲醇	4,4'-bis(dimethylamino)-4',4'-bis(methylamino)trityl alcohol	209-218-2	561-41-1	< 0.1%
85	燒綠石銻鉛黃	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	< 0.1%
86	6-甲氧基-間-甲苯胺	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	< 0.1%
87	全氟十一酸	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	< 0.1%
88	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	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	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	< 0.1%
89	六氫鄰苯二甲酐 六氫酞酸酐順 1,2-環己二甲酸酐	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 transisomers	201-604-9 236-086-3 238-009-9	85-42-7 13149-00-3 14166-21-3	< 0.1%
90	二氯化二丁錫	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	< 0.1%
91	二(四氟硼酸)鉛	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	< 0.1%



92	硝酸鉛	Lead dinitrate	233-245-9	10099-74-8	< 0.1%
93	矽酸鉛	Silicic acid, lead salt	234-363-3	11120-22-2	< 0.1%
94	4-胺基偶氮苯	4-Aminoazobenzene	200-453-6	60-09-3	< 0.1%
95	銻鈦鉛氧化物	Lead titanium zirconium oxide	235-727-4	12626-81-2	< 0.1%
96	一氧化鉛	Lead oxide (lead monoxide)	215-267-0	1317-36-8	< 0.1%
97	鄰-甲苯胺	o-Toluidine	202-429-0	95-53-4	< 0.1%
98	3-乙基-2-甲基-2-(3-甲丁基)-1,3-【口罈】唑	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	< 0.1%
99	摻雜鉛的矽酸鋇	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	272-271-5	68784-75-8	< 0.1%
100	鹼式碳酸鉛	Basic lead carbonate (trilead bis (carbonate) dihydroxide)	1319-46-6	215-290-6	< 0.1%
101	呋喃	Furan	203-727-3	110-00-9	< 0.1%
102	二甲基甲醯胺	N,N-dimethylformamide	200-679-5	68-12-2	< 0.1%
103	乙氧化 4-(1,1,3,3-四甲基丁基)苯酚涵蓋明確定義物質及 UVCB 物質、聚合物及同系物	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	< 0.1%
104	支鏈和直鏈-4-壬基酚, 有烷基直鏈及/或支鏈以 9 個碳共價於酚的對位, 涵蓋所有由單一或多種異構物組合的明確定義物質及 UVCB 物質	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	-	-	< 0.1%
105	4,4'-亞甲基二-鄰-甲苯胺	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	< 0.1%
106	硫酸二乙酯	Diethyl sulphate	200-589-6	64-67-5	< 0.1%
107	硫酸二甲酯	Dimethyl sulphate	201-058-1	77-78-1	< 0.1%
108	鹼式硫酸鉛	Lead oxide sulfate (basic lead sulfate)	234-853-7	12036-76-9	< 0.1%
109	鈦酸鉛(II)	Lead titanium trioxide	235-038-9	12060-00-3	< 0.1%
110	鹼式乙酸鉛	Acetic acid, lead salt, basic	257-175-3	51404-69-4	< 0.1%
111	二鹼式鄰苯二甲酸鉛	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	< 0.1%
112	十溴二苯醚	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	< 0.1%
113	N-甲基乙醯胺	N-methylacetamide	201-182-6	79-16-3	< 0.1%
114	達諾殺	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	< 0.1%
115	乙二醇二乙醚	1,2-Diethoxyethane	211-076-1	629-14-1	< 0.1%
116	三鹼式硫酸鉛	Tetralead trioxide sulphate	235-380-9	12202-17-4	< 0.1%
117	鄰苯二甲酸正戊基異戊基酯	N-pentyl-isopentylphthalate	-	776297-69-9	< 0.1%
118	雙(十八酸基)二氧三鉛	Dioxobis(stearato)trilead	235-702-8	12578-12-0	< 0.1%
119	四乙基鉛	Tetraethyllead	201-075-4	78-00-2	< 0.1%
120	硫酸四氧化五鉛	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	< 0.1%
121	全氟十三酸	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	< 0.1%
122	全氟十二酸	Tricosafuorododecanoic acid	206-203-2	307-55-1	< 0.1%
123	全氟十四酸	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	< 0.1%



124	1-溴丙烷	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	< 0.1%
125	甲氧基乙酸	Methoxyacetic acid	210-894-6	625-45-6	< 0.1%
126	4-甲基-間-苯二胺 (2,4-二胺基甲苯)	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	< 0.1%
127	環氧丙烷	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	< 0.1%
128	二鹼式亞磷酸鉛	Trilead dioxide phosphonate	235-252-2	12141-20-7	< 0.1%
129	鄰-胺基偶氮甲苯	o-aminoazotoluene	202-591-2	97-56-3	< 0.1%
130	支鏈和直鏈 1,2-苯二甲酸 二戊酯	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	< 0.1%
131	4,4'-氧二苯胺及其鹽類	4,4'-oxydianiline and its salts	202-977-0	101-80-4	< 0.1%
132	四氧化三鉛(鉛丹)	Orange lead (Lead tetroxide)	215-235-6	1314-41-6	< 0.1%
133	4-胺基聯苯	Biphenyl-4-ylamine	202-177-1	92-67-1	< 0.1%
134	鄰苯二甲酸二異戊酯	Diisopentylphthalate	210-088-4	605-50-5	< 0.1%
135	C16-18-脂肪酸鉛鹽	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	< 0.1%
136	1,1'-偶氮雙甲醯胺	Diazene-1,2-dicarboxamide (C,C'- azodi(formamide))	204-650-8	123-77-3	< 0.1%
137	亞硫酸鉛	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	< 0.1%
138	氰胺化鉛	Lead cyanamidate	244-073-9	20837-86-9	< 0.1%
139	鎘	Cadmium	231-152-8	7440-43-9	< 0.1%
140	氧化鎘	Cadmium oxide	215-146-2	1306-19-0	< 0.1%
141	全氟辛酸銨	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	< 0.1%
142	全氟辛酸	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	< 0.1%
143	鄰苯二甲酸二戊酯	Dipentyl phthalate (DPP)	205-017-9	131-18-0	< 0.1%
144	支鏈和直鏈的乙氧基4-壬基酚，包括所有在乙氧基苯酚對位的支鏈和直鏈為9個碳的共價烷基鏈，涵蓋包括任何單獨異構物與(或)其組合的UVCB、可明確定義的物質、聚合物與同系物	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	-	-	< 0.1%
145	硫化鎘	Cadmium sulphide	215-147-8	1306-23-6	< 0.1%
146	磷苯二甲酸二己酯	Dihexyl phthalate	201-559-5	84-75-3	< 0.1%
147	直接紅28	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	< 0.1%
148	直接黑38	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	< 0.1%
149	仲乙硫脲 (咪唑啉-2-硫酮)	Imidazolidine-2-thione; 2-imidazoline2-thiol	202-506-9	96-45-7	< 0.1%
150	醋酸鉛	Lead di(acetate)	206-104-4	301-04-2	< 0.1%
151	磷酸三(二甲苯)酯	Trixylyl phosphate	246-677-8	25155-23-1	< 0.1%
152	氯化鎘	Cadmium chloride	233-296-7	10108-64-2	< 0.1%
153	支鏈和直鏈的1,2-苯二甲酸二己酯	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	< 0.1%
154	過氧偏硼酸鈉	Sodium peroxometaborate	231-556-4	7632-04-4	< 0.1%
155	過硼酸鈉	Sodium perborate; perboric acid, sodium salt	239-172-9 234-390-0	-	< 0.1%
156	氟化鎘	Cadmium fluoride	232-222-0	7790-79-6	< 0.1%



157	硫酸鋇	Cadmium sulphate	233-331-6	10124-36-4 31119-53-6	< 0.1%
158	2-苯并三唑-2-基-4,6-二-三級-丁基苯酚 (UV-320)	2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	223-346-6	3846-71-7	< 0.1%
159	2-(2H-苯并三唑-2-基)-4,6-二三級戊基苯酚 (UV-328)	2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl (UV-328)	247-384-8	25973-55-1	< 0.1%
160	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)	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	< 0.1%
161	10-乙基-4,4-二辛基-7-氧-8-氧代-3,5-二硫代-4-錫代十四酸 2-乙基己酯和 10-乙基-4-[[2-[(2-乙基己基)氧]-2-氧乙基]硫代]-4-辛基-7-氧-8-氧代-3,5-二硫代-4-錫代十四酸 2-乙基己酯的反應產物 (DOTE和 MOTE 的反應產物)	Reaction mass of 2-ethylhexyl 10-ethyl4,4-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)	-	-	< 0.1%
162	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，EC No. 201-559-5，CAS No. 84-75-	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	68515-51-5 68648-93-1	< 0.1%
163	包含以下[1]與[2]之所有單獨立體異構物與其組成。[1] 5-二級丁基-2-(2,4-二甲基環己-3-烯-1-基)-5-甲基-1,3-二【口呿】【口束】[2] 5-二級丁基-2-(4,6-二甲基環己-3-烯-1-基)-5-甲基-1,3-二【口呿】【口束】	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]	-	-	< 0.1%
164	硝苯	Nitrobenzene	202-716-0	98-95-3	< 0.1%
165	2,4-貳三級丁基-6-(5-氯苯三唑-2-基)苯酚 (UV-327)	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	< 0.1%
166	2-(2H-苯并三唑-2-基)-4-三級丁基-6-二級丁基苯酚 (UV-350)	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	< 0.1%
167	1,3-丙磺內酯	1,3-propanesultone	214-317-9	1120-71-4	< 0.1%
168	全氟壬酸及其鈉與銨鹽	Perfluorononan-1-oic-acid and its sodium and ammonium salt	206-801-3	375-95-1	< 0.1%
169	苯并[a]芘	Benzo[def]chrysene (Benzo[a]pyrene)	214-317-9	50-32-8	< 0.1%
170	雙酚 A	4,4'-isopropylidenediphenol	201-245-8	80-05-7	< 0.1%



171	支鏈與直鏈 4-庚基苯酚 烷基直鏈及/或支鏈以 7 個碳共價於酚的對位, 含 蓋所有由單一或多種異構 物組合的明確定義物質及 UVCB 物質	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	-	-	< 0.1%
172	全氟癸酸·及其鈉與銨鹽 全氟癸酸銨 全氟癸酸鈉	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Ammonium nonadecafluorodecanoate Decanoic acid, nonadecafluoro-, sodium salt	206-400-3 221-470-5	335-76-2 3108-42-7 3830-45-3	< 0.1%
173	對-(1,1-二甲基丙基)苯酚	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	< 0.1%
174	全氟己-1-磺酸及其鹽類	Perfluorohexane-1-sulphonic acid and its salts	-	-	< 0.1%
175	1,2-苯并菲; (【++快】)	Chrysene	205-923-4	218-01-9	< 0.1%
176	苯[a]蒽	Benz[a]anthracene	200-280-6	56-55-3	< 0.1%
177	硝酸鎘	Cadmium nitrate	233-710-6	10325-94-7	< 0.1%
178	氫氧化鎘	Cadmium hydroxide	244-168-5	21041-95-2	< 0.1%
179	碳酸鎘	Cadmium carbonate	208-168-9	513-78-0	< 0.1%
180	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 (“Dechlorane Plus” TM) [含有其任何單獨的 反式和順式異構體或其任 何組合]	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” TM) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-	< 0.1%
181	1,3,4-噻二唑-2,5-二硫醇 與甲醛和支鏈和直鏈 4-庚 基酚的反應產物(RP-HP) [含有≥0.1%w/w 支鏈和直 鏈的 4-庚基酚]	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	-	-	< 0.1%
182	1,2,4-苯三甲酸酐	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)	209-008-0	552-30-7	< 0.1%
183	苯并[g,h,i]芘	Benzo[ghi]perylene	205-883-8	191-24-2	< 0.1%
184	十甲基環五矽氧烷	Decamethylcyclopentasiloxane (D5)	208-764-9	541-02-6	< 0.1%
185	鄰苯二甲酸二環己酯	Dicyclohexyl phthalate (DCHP)	201-545-9	84-61-7	< 0.1%
186	八硼酸二鈉	Disodium octaborate	234-541-0	12008-41-2	< 0.1%
187	十二甲基環六矽氧烷	Dodecamethylcyclohexasiloxane (D6)	208-762-8	540-97-6	< 0.1%
188	乙二胺	Ethylenediamine (EDA)	203-468-6	107-15-3	< 0.1%
189	鉛	Lead	231-100-4	7439-92-1	< 0.1%
190	八甲基環四矽氧烷	Octamethylcyclotetrasiloxane (D4)	209-136-7	556-67-2	< 0.1%
191	氫化聯三苯	Terphenyl, hydrogenated	262-967-7	61788-32-7	< 0.1%
192	2,2-雙(4'-羥苯基)-4-甲基 戊烷	2,2-bis(4'-hydroxyphenyl)-4- methylpentane	401-720-1	6807-17-6	< 0.1%
193	苯并[k]1,2-苯并芴	Benzo[k]fluoranthene	205-916-6	207-08-9	< 0.1%
194	1,2-苯并芴	Fluoranthene	205-912-4	206-44-0	< 0.1%



195	菲	Phenanthrene	201-581-5	85-01-8	< 0.1%
196	芘	Pyrene	204-927-3	129-00-0	< 0.1%
197	1,7,7-三甲基-3-(苯亞甲基)雙環[2.2.1]庚-2-酮 (3-亞苄基樟腦)	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	239-139-9	15087-24-8	< 0.1%
198	參(支鍊和直鍊 4-壬基苯基)亞磷酸酯(TNPP) · 含有≥0.1%w/w 的支鍊和直鍊 4-壬基酚(4-NP)	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	< 0.1%
199	4-三級丁酚	4-tert-butylphenol	202-679-0	98-54-4	< 0.1%
200	乙酸 2-甲氧基乙酯	2-methoxyethyl acetate	203-772-9	110-49-6	< 0.1%
201	2,3,3,3-四氟-2-(七氟丙氧基)丙酸、其鹽類及其醯基鹵化物(包含其各自的異構體及其組合)	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof	-	-	< 0.1%
202	鄰苯二甲酸二異己酯	Diisohexyl phthalate	276-090-2	71850-09-4	< 0.1%
203	2-苄基-2-二甲胺基-4'-【口末】啉丁醯苯	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	< 0.1%
204	2-甲基-1-(4-甲基硫苯基)-2【口末】啉丙-1-酮	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	< 0.1%
205	全氟丁烷磺酸及其鹽類	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	< 0.1%
206	1-乙基咪唑	1-vinylimidazole	214-012-0	1072-63-5	< 0.1%
207	2-甲基咪唑	2-methylimidazole	211-765-7	693-98-1	< 0.1%
208	4-羥基苯甲酸丁酯	butyl 4-hydroxybenzoate	202-318-7	94-26-8	< 0.1%
209	二丁基雙(2,4-戊二酮基)錫	Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	22673-19-4	< 0.1%
210	雙(2-(2-甲氧基乙氧基)乙基)醚	Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-7	143-24-8	< 0.1%
211	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 二月桂酸二辛基錫；二辛基-錫烷雙(椰油醯氧基)衍生物二辛基-錫烷雙(椰油醯氧基)衍生物二月桂酸二辛基錫	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 dioctyl tin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. Stannane, dioctyl-, bis(coco acyloxy) derivs. Diocetyl tin dilaurate	293-901-5 222-883-3	91648-39-4 3648-18-8	< 0.1%
212	1,4-二【口罈】烷 (1,4-二氧陸園)	1,4-dioxane	204-661-8	123-91-1	< 0.1%
213	(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)	(1)2,2-bis(bromomethyl)propane1,3-diol (BMP); (2)2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); (3)2,3-dibromo-1-propanol (2,3-	(1) 221-967-7; (2) 253-057-0/-; (3) 202-480-9	(1)3296-90-0; (2)36483-57-5/ 1522-92-5; (3)96-13-9	< 0.1%



214	2-(4-三級丁基苄基)丙醛及其獨立體異構物	201-289-8;	201-289-8;	75166-31-3; 80-54-6; 75166-30-2	< 0.1%
215	4,4'-(1-甲基亞丙基)雙酚(雙酚 B)	4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	< 0.1%
216	戊二醛	glutaral	203-856-5	111-30-8	< 0.1%
217	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]	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	-	-	< 0.1%
218	硼酸鈉鹽	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;	-; -; 238-253-6; 215-604-1; 237-560-2; -;	25747-83-5; 22454-04-2; 14312-40-4; 1333-73-9; 13840-56-7; 14890-53-0;	< 0.1%
219	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)	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 ;	-; -; -; 310-154-3; -; -	210555-94-5; 27459-10-5; 27147-75-7; 121158-58-5; 74499-35-7; 57427-55-1	< 0.1%
220	(±)-1,7,7-三甲基-3-[(4-甲基苄基)亞甲基]二環[2.2.1]庚烷-2-酮，包括任何獨立異構物及/或其組合 (4-MBC)	(±)-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;	< 0.1%
221	6,6'雙-三級-丁基-2,2'-亞甲基雙對甲酚	6,6'-di-tert-butyl-2,2'-methylenedi-pcresol	204-327-1	119-47-1	< 0.1%
222	硫代磷酸 S-(三環[5.2.1.0'2,6]-3-癸烯-8(或9)-基酯 O-(異丙酯或異丁酯或 2-乙基己酯)O-(異丙酯或異丁酯或 2-乙基己	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	< 0.1%
223	三(2-甲氧基乙氧基)乙烯基矽烷	tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4	< 0.1%
224	N-(羥甲基)丙烯醯胺	N-(hydroxymethyl)acrylamide	213-103-2	924-42-5	< 0.1%
225	1,1'-[乙烷-1,2-二基雙氧基]雙[2,4,6-三溴苯]	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	< 0.1%
226	2,2',6,6'-四溴-4,4'-異亞丙基二苯酚	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	79-94-7	< 0.1%
227	4,4'-磺醯基二苯酚	4,4'-sulphonyldiphenol	201-250-5	80-09-1	< 0.1%



228	四氧化二硼鋇	Barium diboron tetraoxide	237-222-4	13701-59-2	< 0.1%
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	247-426-5	26040-51-7	< 0.1%
230	4-羥基苯甲酸異丁酯	Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3	< 0.1%
231	三聚氰胺	Melamine	203-615-4	108-78-1	< 0.1%
232	全氟庚酸及其鹽類	Perfluoroheptanoic acid and its salts	243-518-4; 206-798-9; -; 228-098-2	20109-59-5; 375-85-9; 21049-36-5; 6130-43-4	< 0.1%
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	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	-	< 0.1%
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	278-355-8	75980-60-8	< 0.1%
235	雙(4-氯苯基)砜	Bis(4-chlorophenyl) sulphone	201-247-9	80-07-9	< 0.1%
236	2,4,6-參-三級-丁基苯酚	2,4,6-tri-tert-butylphenol	211-989-5	732-26-3	< 0.1%
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	221-573-5	3147-75-9	< 0.1%
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	438-340-0	119344-86-4	< 0.1%
239	布美三唑	Bumetizole	223-445-4	3896-11-5	< 0.1%
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	700-960-7	-	< 0.1%
241	雙(α,α-二甲基苄基)的過氧化物	Bis(α,α-dimethylbenzyl) peroxide	201-279-3	80-43-3	< 0.1%
242	磷酸三苯酯	Triphenyl Phosphate	204-112-2	115-86-6	< 0.1%
243	6-[(C10-C13)-烷基(支鏈、不飽和)-2,5-二氧吡咯烷-1-基]己酸	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1yl]hexanoic acid	701-118-1	2156592-54-8	< 0.1%
244	O,O,O-三苯基硫代磷酸酯	O,O,O-triphenyl phosphorothioate	209-909-9	597-82-0	< 0.1%
245	八甲基三矽氧烷	Octamethyltrisiloxane	203-497-4	338-83-0	< 0.1%
246	全氟胺	Perfluamine	206-420-2	338-83-0	< 0.1%
247	三苯基硫代磷酸與三級丁基苯基衍生物的反應產物	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	421-820-9	192268-65-8	< 0.1%

PS. 成品中含高度關切物質濃度達0.1% (w/w)，製造商/進口商必須進行供應鏈資訊傳遞，提供物質安全使用資訊。

Reference:

<https://ccd.nat.gov.tw/chemexp/content/topic/TopicList.aspx?tid=14&redirected=true>



九齊科技股份有限公司
Nyquest Technology Co., Ltd.

Company name: Nyquest Technology Corporation

Name/Title: David Huang / Quality Engineering Dept. Manager

Date: 2025 / 05 / 14

Signature:

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