



綠色文件聲明書

應廣科技據此聲明並承諾本公司之產品及其組成物質均能符合符合如下所列的綠色要求：

★歐盟ROHS(2011/65/EU+ EU 2015/863)

★歐盟REACH法規《化學物品的註冊、評估、授權與限制法令》
2006/121/EC(REACH)要求之高度關注物質(SVHC)限值要求。

一、歐盟ROHS：

限用物質清單	含量限值 (ppm)
鎘 (Cd)	<0.01%
鉛 (Pb)	<0.1%
汞 (Hg)	<0.1%
六價鉻 (Cr 6+)	<0.1%
多溴聯苯 (PBBs)	<0.1%
多溴二苯醚 (PBDEs)	<0.1%
鄰苯二甲酸二(2-乙基己基)酯(DEHP)	<0.1%
鄰苯二甲酸丁酯苯甲酯 (BBP)	<0.1%
鄰苯二甲酸二丁酯 (DBP)	<0.1%
鄰苯二甲酸二異丁酯 (DIBP)	<0.1%

二、REACH高關注物質調查表

編號 No	物質名稱 Name	CAS NO
1	氯化鈷(Cobalt dichloride)	7646-79-9
2	重鉻酸鈉二水合物 (Sodium dichromate, dihydrate)	7789-12-0 10588-01-9

3	五氧化二砷 Arsenic pentoxide	1303-28-2
4	三氧化二砷 (Diarsenic trioxide)	1327-53-3
5	酸式砷酸鉛 (Lead hydrogen arsenate)	7784-40-9
6	三乙基砷酸酯 (Triethyl arsenate)	15606-95-8
7	鄰苯二甲酸二丁酯 (Dibutyl phthalate)	84-74-2
8	鄰苯二甲酸二(2-乙基己)酯 (DEHP, Bis (2-ethyl(hexyl)phthalate))	117-81-7
9	鄰苯二甲酸丁苄酯 (Benzyl butyl phthalate)	85-68-7
10	蒽 (Anthracene)	120-12-7
11	三丁基氧化錫 [Bis(tributyltin)oxide]	56-35-9
12	二甲苯麝香 (5-tert-butyl-2,4,6-trinitro-m-xylene ,musk xylene)	81-15-2
13	六溴環十二烷 (HBCDD, Hexabromocyclododecane)	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8
14	C10-13 氯代烴(短鏈氯化蠟) [Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)]	85535-84-8
15	4,4'- 二氨基二苯甲烷 (Diaminodiphenylmethane4,4')	101-77-9
16	蒽油 Anthracene oil	90640-80-5
17	蒽油,蒽糊,輕油 Anthracene oil, anthracene paste, distn. Lights	91995-17-4
18	蒽油,蒽糊,蒽餾分離液 Anthracene oil, anthracene paste, anthracene fraction	91995-15-2
19	蒽油,含蒽量少 Anthracene oil, anthracene-low	90640-82-7
20	蒽油,蒽糊 Anthracene oil, anthracene paste	90640-81-6
21	煤瀝青,高溫 Coal tar pitch, high temperature	65996-93-2
22	矽酸鋁,陶瓷耐火纖維 Aluminosilicate, Refractory Ceramic Fibres	
23	矽酸鋁氧化鋯,陶瓷耐火纖維 Zirconia Aluminosilicate, Refractory Ceramic Fibres	
24	2,4-二硝基甲苯 2,4-Dinitrotoluene	121-14-2

25	鄰苯二甲酸二異丁酯 Diisobutyl phthalate (DIBP)	84-69-5
26	鉻酸鉛 Lead chromate	7758-97-6
27	紅色鉬鉻酸鉛硫酸鹽 Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8
28	黃色硫化鉻酸鉛 Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2
29	三2-(氯乙基)磷酸酯 Tris(2-chloroethyl)phosphate	115-96-8
30	丙烯醯胺 Acrylamide	79-06-1
31	三氯乙烯 Trichloroethylene	79-01-6
32	硼酸 Boric acid	10043-35-3/ 11113-50-1
33	硼砂,四硼酸二鈉 Disodium tetraborate, anhydrous	1330-43-4 12179-04-3 1303-96-4
34	水合硼酸鈉 tetraboron disodium heptaoxide, hydrate	12267-73-1
35	鉻酸鈉 Sodium chromate	7775-11-3
36	鉻酸鉀 Potassium chromate	7789-00-6
37	重鉻酸銨 Ammonium dichromate	7789-09-5
38	重鉻酸鉀 Potassium dichromate	7778-50-9
39	Cobalt sulfate 硫酸鈷	10124-43-3
40	Cobalt dinitrate 硝酸鈷	10141-05-6
41	Cobalt carbonate 碳酸鈷	513-79-1
42	Cobalt diacetate 醋酸鈷	71-48-7
43	2-Methoxyethanol 2-甲氧基乙醇	109-86-4
44	2-Ethoxyethanol 2-乙氧基乙醇	110-80-5

45	Chromium trioxide 三氧化鉻	1333-82-0
46	Acids generated from chromium trioxide and their oligomers. Group containing: Chromic acid, Dichromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. 從三氧化鉻生成的酸類與其它寡體。包含：鉻酸、重鉻酸、鉻酸與重鉻酸的其它寡體。	7738-94-5 13530-68-2
47	2-ethoxyethyl acetate 乙酸-2-乙氧基乙酯	111-15-9
48	Strontium chromate 鉻酸鋇	7789-06-2
49	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
50	Hydrazine 聯氨，肼	7803-57-8 302-01-2
51	1-methyl-2-pyrrolidone N-甲基吡咯烷酮	872-50-4
52	1,2,3-trichloropropane 1,2,3-三氯丙烷	96-18-4
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) 鄰苯二甲酸二(C6-8支鏈與直鏈)烷基酯，富C7	71888-89-6
54	Dichromium tris(chromate) 鉻酸鉻	24613-89-6
55	Potassium hydroxyoctaoxidizincatedi-chromate 氫氧化鉻酸鋅鉀	11103-86-9
56	Pentazinc chromate octahydroxide 氫氧化鉻酸鋅	49663-84-5
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA) 甲醛與苯胺的聚合物	25214-70-4
58	Bis(2-methoxyethyl phthalate) 鄰苯二甲酸二甲氧乙酯 (DMEP)	117-82-8
59	2-Methoxyaniline; o-anisidine 2-甲氧基苯胺；鄰氨基苯甲醚	90-04-0
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-octylphenol) 對特辛基苯酚	140-66-9
61	1,2-Dichloroethane 1,2-二氯乙烷	107-06-2

62	Bis(2-methoxyethyl)ether 雙(2-甲氧基乙基)醚	111-96-6
63	Arsenic acid 砷酸	7778-39-4
64	Calcium arsenate 砷酸鈣	7778-44-1
65	Trilead diarsenate 砷酸鉛	3687-31-8
66	N,N-dimethylacetamide(DMAC) N,N-二甲基乙醯胺	127-19-5
67	2,2'-dichloro-4,4'-methylenedianiline(MOCA) 2,2'-二氯-4,4'-亞甲基二苯胺	101-14-4
68	Phenolphthalein 酚酞	77-09-8
69	Lead diazide 疊氮化鉛	13424-46-9
70	Lead styphnate 收斂酸鉛	15245-44-0
71	Lead dipicrate 苦味酸鉛	6477-64-1
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) 三甘醇二甲醚	112-49-2
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) 乙二醇二甲醚	110-71-4
74	Diboron trioxide 三氧化二硼	1303-86-2
75	Formamide 甲酰胺	75-12-7
76	Lead(II) bis(methanesulfonate) 甲基磺酸鉛	17570-76-2
77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine- 2,4,6(1H,3H,5H)-trione (TGIC) 異氰尿酸三縮水甘油酯	2451-62-9
78	4,4'-bis(dimethylamino)benzophenone (Michler's ketone) 4,4'-二(N,N-二甲氨基)二苯甲酮 (米其勒酮)	90-94-8

79	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
80	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride(C.I. Basic Blue 26)	2580-56-5
81	α,α -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol(C.I. Solvent Blue 4) C.I.溶劑藍4	6786-83-0
82	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol 4,4'-雙(二甲基胺基)-4''-(甲基胺基)三苯甲基醇	561-41-1
83	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
84	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] [4-[4,4'-雙(二甲基胺基)二苯亞甲基]環己-2,5-二烯-1-亞基]二甲基氯化銨 (C.I. 鹼性紫 3)	548-62-9
85	[Phthalato(2-)]dioxotrilead 二鹽基鄰苯二甲酸鉛	69011-06-9
86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear 1,2-苯二酸-二(支鏈與直鏈)戊基酯	84777-06-0
87	1,2-Diethoxyethane 乙二醇二乙醚	629-14-1
88	1-bromopropane (n-propyl bromide) 1-溴丙烷	106-94-5
89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 3-乙基-2-甲基-2-(3-甲基丁基)-1,3-惡唑烷	143860-04-2
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated 乙氧化 4-(1,1,3,3-四甲基丁基)苯酚 covering well-defined substances and UVCB substances, polymers and homologues 涵蓋明確定義物質及 UVCB 物質、聚合物及同系物	

91	4,4'-Methylenedi-o-toluidine 4,4'-亞甲基二-鄰-甲苯胺	838-88-0
92	4,4'-oxydianiline and its salts 4,4'-二氨基二苯醚及其塩類	101-80-4
93	4-Aminoazobenzene 4-氨基偶氮苯	60-09-3
94	4-Methyl-m-phenylenediamine 4-甲基-間-苯二胺	95-80-7
95	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] 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, 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	—
96	6-methoxy-m-toluidine (p-cresidine) 6-甲氧基-間-甲苯胺	120-71-8
97	Acetic acid, lead salt, basic 鹼式乙酸鉛	51404-69-4
98	Biphenyl-4-ylamine 4-氨基聯苯	92-67-1
99	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) 十溴二苯醚	1163-19-5
100	Diazene-1,2-dicarboxamide (C,C'- azodi(formamide)) 偶氮二甲醯胺	123-77-3
101	Dibutyltin dichloride (DBTC) 二丁基二氯化錫	683-18-1
102	Diethyl sulphate 硫酸二乙酯	64-67-5
103	Diisopentylphthalate (DIPP) 鄰苯二甲酸二異戊酯	605-50-5
104	Dimethyl sulphate (DMS) 硫酸二甲酯	77-78-1
105	Dinoseb (6-sec-butyl-2,4-dinitrophenol) 地樂酚	88-85-7
106	Dioxobis(stearato)trilead 雙(十八酸基)二氧三鉛	12578-12-0

107	Fatty acids, C16-18, lead salts C16-18-脂肪酸鉛鹽	91031-62-8
108	Furan 呋喃	110-00-9
109	Henicosafuoroundecanoic acid 全氟十一烷酸	2058-94-8
110	Heptacosafuorotetradecanoic acid 全氟十四烷酸	376-06-7
111	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 this entry] 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
112	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] 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
113	Lead bis(tetrafluoroborate) 四氟硼酸鉛	13814-96-5
114	Lead cyanamidate 氰胺化鉛	20837-86-9
115	Lead dinitrate 硝酸鉛	10099-74-8
116	Lead monoxide (Lead oxide) 一氧化鉛	1317-36-8
117	Lead oxide sulphate 碱式硫酸鉛	12036-76-9

118	Orange lead (Lead tetroxide) 四氧化三鉛；C.I.顏料紅105	1314-41-6
119	Lead titanium trioxide 鈦酸鉛	12060-00-3
120	Lead titanium zirconium oxide 銻鈦鉛氧化物	12626-81-2
121	Methoxyacetic acid 甲氧基乙酸	625-45-6
122	N,N-dimethylformamide 二甲基甲醯胺	68-12-2
123	N-methylacetamide N-甲基乙醯胺	79-16-3
124	N-pentyl-isopentylphthalate 鄰苯二甲酸正戊基異戊基酯	776297-69-9
125	o-aminoazotoluene ; [(4-o-tolylazo-o-toluidine)] 鄰-胺基偶氮甲苯	97-56-3
126	o-Toluidine ; 2-Aminotoluene 鄰-甲苯胺	95-53-4
127	Pentacosafuorotridecanoic acid 全氟十三烷酸	72629-94-8
128	Pentalead tetraoxide sulphate 硫酸四氧化五鉛	12065-90-6
129	Methyloxirane (Propylene oxide) 1,2-環氧丙烷	75-56-9
130	Pyrochlore, antimony lead yellow 鉛銻黃；C.I.顏料黃41	8012-00-8
131	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped 摻雜鉛的矽酸鋇	68784-75-8
132	Silicic acid, lead salt 矽酸鉛	11120-22-2
133	Sulfurous acid, lead salt, dibasic 二鹼式亞硫酸鉛	62229-08-7
134	Tetraethyllead 四乙基鉛	78-00-2
135	Tetralead trioxide sulphate 三鹼式硫酸鉛	12202-17-4
136	Tricosafuorododecanoic acid 全氟十二烷酸	307-55-1
137	Trilead bis(carbonate)dihydroxide 鹼式碳酸鉛；C.I.顏料白1	1319-46-6

138	Trilead dioxide phosphonate 二鹼式亞磷酸鉛	12141-20-7
139	Cadmium 鎘	7440-43-9
140	Cadmium oxide 氧化鎘	1306-19-0
141	Ammonium pentadecafluorooctanoate (APFO) 十五代氟辛酸銨鹽/全氟辛酸銨	3825-26-1
142	Pentadecafluorooctanoic acid (PFOA) 全氟辛烷酸及其鹽類	335-67-1
143	Dipentyl phthalate (DPP) 鄰苯二甲酸二正戊酯	131-18-0
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] 支鏈及直鏈乙氧基壬基酚- 包括含有9個碳烷基鏈及所有含有含直鏈或支鏈之9個碳烷基鏈 UVCB物質、聚合物及同系物，包括獨立同分異構物及複合物	-
145	Cadmium sulphide 硫化鎘	1306-23-6
146	Dihexyl phthalate (DHP/DNHP) 鄰苯二甲酸二己酯	84-75-3
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) C.I. 直接紅 28	573-58-0
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) C.I. 直接黑 38	1937-37-7
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol 亞乙基硫脲	96-45-7
150	Lead di(acetate) 醋酸鉛	301-04-2
151	Trixylyl phosphate 磷酸三(二甲苯)酯	25155-23-1

152	Cadmium chloride 氯化鎘	10108-64-2
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
154	Sodium peroxometaborate 過硼酸鈉	7632-04-4
155	Sodium perborate; perboric acid, sodium salt 水合過硼酸鈉	
156	Cadmium fluoride 氟化鎘	7790-79-6
157	Cadmium sulphate 硫酸鎘	10124-36-4, 31119-53-6
158	2-Benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320) 2-苯並三唑-2-基-4,6-二叔丁基苯酚	3846-71-7
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) 2-(2H-苯並三唑-2-基)-4,6-二叔戊基苯酚	25973-55-1
160	2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) 二正辛基-雙(2-乙基己基巯基乙酸酯)錫	15571-58-1
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 (Reaction mass of DOTE and MOTE) 二正辛基-雙(2-乙基己基巯基乙酸酯)錫(DOTE)和單辛基-三(2-乙基己基巯基乙酸酯)錫(MOTE)的反應物	-
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) 1,2-苯二甲酸二-碳6-10-烷基酯; (癸基, 己基, 辛基)酯不1, 2-鄰苯二甲酸的複合物且鄰苯二甲酸二己酯含量 $\geq 0.3\%$	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 isomers of [1] and [2] or any combination thereof] 5-仲丁基-丁基-2-(2,4-二甲基環己胺-3-乙二胺-1-基)-5-甲基-1,3-二氧乙烷[1], 5-仲丁基-丁基-2-(4,6-二甲基環己胺-3-乙二胺-1-基)-5-甲基-1,3-二氧乙烷[2] (這兩種物質的異極體以及它們的混合物)	
164	1,3-propanesultone 1,3-丙烷磺內酯	1120-71-4 214-317-9
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) 2,4-二-叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚 (UV-327)	3864-99-1 223-383-8
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) 2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑 (UV-350)	36437-37-3 253-037-1
167	Nitrobenzene 硝基苯	98-95-3 202-716-0
168	Perfluorononan-1-oic acid and its sodium and ammonium salts 全氟壬酸及其鈉鹽和銨鹽	375-95-1, 21049-39-8, 4149-60-4 206-801-3
169	Benzo[def]chrysene (Benzo[a]pyrene) 苯並[def]屈 (苯並[a]芘)	50-32-8

公司名稱：應廣科技股份有限公司

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