



Y-S Electronic Co., Ltd.

Dongguan ShenDong Electronic Co., Ltd.

REACH-(SVHC) Declaration

Dear Valued Customers,

We hereby represent and warrant all products and components sold to your company for the 241 substances listed in the EU REACH (EC 1907/2006) Regulation Substances of Very High Concern (SVHC) and will be added for use. The quantities are detailed in the table below..

| Code | Substance name | CAS No. | SVHC 物質含量 | 備注 |
|------|---|-------------------------|-----------|----|
| 1 | Anthracene 蒽 | 120-12-7 | <1000ppm | |
| 2 | 4,4-Diaminodiphenylmethane, 4,4'-二氨基二苯甲烷 | 101-77-9 | <1000ppm | |
| 3 | Dibutyl phthalate(DBP) 邻苯二甲酸二丁基酯 | 84-74-2 | <1000ppm | |
| 4 | Benzyl butyl phthalate(BBP) 邻苯二甲酸丁苄酯 | 85-68-7 | <1000ppm | |
| 5 | Cobalt dichloride 二氯化钴 | 7646-79-9 | <1000ppm | |
| 6 | Diarsenic pentaoxide 五氧化二砷 | 1303-28-2 | <1000ppm | |
| 7 | Diarsenic trioxide 三氧化二砷 | 1327-53-3 | <1000ppm | |
| 8 | Sodium dichromate, dihydrate 重铬酸钠二水化合物 | 7789-12-0 10588-01-9 | <1000ppm | |
| 9 | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) 二甲苯麝香 | 81-15-2 | <1000ppm | |
| 10 | Bis (2-ethyl(hexyl)phthalate) (DEHP) 邻苯二甲酸二(2-乙基己)酯 | 117-81-7 | <1000ppm | |
| 11 | Hexabromocyclododecane (HBCDD) 六溴环十二烷 | 25637-99-4 3194-55-6 | <1000ppm | |
| 12 | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) 短链氯化石蜡 | 85535-84-8 | <1000ppm | |
| 13 | Bis(tributyltin)oxide(TPTO) | 56-35-9 | <1000ppm | |

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| | 三丁基氧化锡 | | | |
| 14 | Lead hydrogen arsenate 酸式砷酸铅 | 7784-40-9 | <1000ppm | |
| 15 | Triethyl arsenate 三乙砷酸酯 | 15606-95-8 | <1000ppm | |
| 16 | Anthracene oil 蒽油 | 90640-80-5 | <1000ppm | |
| 17 | Anthracene oil, anthracene paste, distn. lights 蒽油, 蒽糊, 轻油 | 91995-17-4 | <1000ppm | |
| 18 | Anthracene oil, anthracene paste, anthracene fraction 蒽油, 蒽糊, 蒽馏分离液 | 91995-15-2 | <1000ppm | |
| 19 | Anthracene oil, anthracene-low 蒽油, 含蒽量少 | 90640-82-7 | <1000ppm | |
| 20 | Anthracene oil, anthracene paste 蒽油, 蒽糊 | 90640-81-6 | <1000ppm | |
| 21 | Coal tar pitch, high temperature 煤沥青, 高温 | 65996-93-2 | <1000ppm | |
| 22 | Aluminosilicate, Refractory Ceramic Fibers 硅酸铝, 陶瓷耐火纤维 | 142844-00-6 | <1000ppm | |
| 23 | Zirconia Aluminosilicate, Refractory Ceramic Fibers 硅酸铝氧化锆, 陶瓷耐火纤维 | | | |
| 24 | 2,4-Dinitrotoluene 2,4-二硝基甲苯 | 121-14-2 | <1000ppm | |
| 25 | Diisobutyl phthalate(DIBP) 邻苯二甲酸二异丁酯 | 84-69-5 | <1000ppm | |
| 26 | Lead chromate 铬酸铅 | 7758-97-6 | <1000ppm | |
| 27 | Lead chromate molybdate sulphate red(C. I. Pigment Red 104) 钼铬酸铅红 (C. I. 颜料红 104) | 12656-85-8 | <1000ppm | |
| 28 | Lead sulfochromate yellow(C. I. Pigment Yellow 34) 铬酸铅黄 (C. I. 颜料黄 34) | 1344-37-2 | <1000ppm | |
| 29 | Tris(2-chloroethyl)phosphate 磷 酸三(2-氯乙基)酯 | 115-96-80 | <1000ppm | |
| 30 | 丙烯酰胺* Acrylamide | 79-06-1 | <1000ppm | |

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| 31 | 三氯乙烯 Trichloroethylene | 79-01-6 | <1000ppm | |
| 32 | 硼酸 Boric acid | 10043-35-3 11113-50-1 | <1000ppm | |
| 33 | 无水四硼酸钠 Disodium tetraborate, anhydrous | 1303-96-4 1330-43-4 12179-04-3 | <1000ppm | |
| 34 | 七水合四硼酸钠 Tetraboron disodium heptaoxide, hydrate | 12267-73-1 | <1000ppm | |
| 35 | 铬酸钠 Sodium chromate | 7775-11-03 | <1000ppm | |
| 36 | 铬酸钾 Potassium chromate | 7789-00-6 | <1000ppm | |
| 37 | 重铬酸铵 Ammonium dichromate | 7789-09-5 | <1000ppm | |
| 38 | 重铬酸钾 Potassium dichromate | 7778-50-9 | <1000ppm | |
| 39 | 硫酸钴(II) Cobalt(II) sulphate | 10124-43-3 | <1000ppm | |
| 40 | 硝酸钴(II) Cobalt(II) dinitrate | 10141-05-6 | <1000ppm | |
| 41 | 碳酸钴(II) Cobalt(II) carbonate | 513-79-1 | <1000ppm | |
| 42 | 乙酸钴(II) Cobalt(II) diacetate | 71-48-7 | <1000ppm | |
| 43 | 2-甲氧基乙醇 2-Methoxyethanol | 109-86-4 | <1000ppm | |
| 44 | 2-乙氧基乙醇 2-Ethoxyethanol | 110-80-5 | <1000ppm | |
| 45 | 三氧化铬 Chromium trioxide | 1333-82-0 | <1000ppm | |
| 46 | 铬酸，重铬酸，铬酸及重铬酸低聚物 Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid | 7738-94-5 13530-68-2 - | <1000ppm | |
| 47 | 乙二醇乙醚醋酸酯 2-ethoxyethyl acetate | 111-15-9 | <1000ppm | |
| 48 | 铬酸锶 Strontium chromate | 7789/6/2 | <1000ppm | |
| 49 | 邻苯二甲酸二(C7-11 支链与直链)烷基酯 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl | 68515-42-4 | <1000ppm | |

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| | esters (DHNUP) | | | |
| 50 | 聯氨 Hydrazine | 7803-57-8 302-01-2 | <1000ppm | |
| 51 | 1-甲基-2-吡咯烷酮 1-methyl-2-pyrrolidone | 872-50-4 | <1000ppm | |
| 52 | 1,2,3-三氯丙烷 1,2,3-trichloropropane | 96-18-4 | <1000ppm | |
| 53 | 邻苯二甲酸二(C6-8 支链与直链)烷基酯, 富 C7 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) | 71888-89-6 | <1000ppm | |
| 54 | 铬酸铬 Dichromiumtris(chromate) | 24613-89-6 | <1000ppm | |
| 55 | 氢氧化铬酸锌钾 Potassium hydroxyoctaoxodizic natedichromate | 11103-86-9 | <1000ppm | |
| 56 | C. I. 顏料黃 36 Pentazinc chromate octahydroxide | 49663-84-5 | <1000ppm | |
| 57 | 甲醛与苯胺的低聚物 Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 25214-70-4 | <1000ppm | |
| 58 | 邻苯二甲酸二甲氧基乙酯 Bis(2-methoxyethyl) phthalate (DMEP) | 117-82-8 | <1000ppm | |
| 59 | 邻甲氧基苯胺 2-Methoxyaniline; o-Anisidine | 90-04-0 | <1000ppm | |
| 60 | 对特辛基苯酚 4-(1,1,3,3-Tetramethylbutyl)phenol; 4-tert-Octyl phenol | 140-66-9 | <1000ppm | |
| 61 | 1,2-二氯乙烷 1,2-Dichloroethane | 107-06-2 | <1000ppm | |
| 62 | 二乙二醇二甲醚 Bis(2-methoxyethyl) ether | 111-96-6 | <1000ppm | |
| 63 | 砷酸、原砷酸 Arsenic acid | 7778-39-4 | <1000ppm | |
| 64 | 砷酸钙 Calcium arsenate | 7778-44-1 | <1000ppm | |
| 65 | 砷酸铅 Trilead diarsenate | 3687-31-8 | <1000ppm | |
| 66 | N,N-二甲基乙酰胺 | 127-19-5 | <1000ppm | |

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| | N, N-dimethylacetamide(DMAC) | | | |
| 67 | 4,4'-二氨基-3,3'-二氯二苯甲烷 -2,2'-Dichloro-4,4'- methylenedianiline(MOCA) | 101-14-4 | <1000ppm | |
| 68 | 酚酞 Phenolphthalein | 77-09-8 | <1000ppm | |
| 69 | 叠氮化铅 Lead diazide, Leadazide | 13424-46-9 | <1000ppm | |
| 70 | 三硝基苯二酚铅 Lead styphnate | 15245-44-0 | <1000ppm | |
| 71 | 苦味酸铅 Lead dipicrate | 6477-64-1 | <1000ppm | |
| 72 | 三乙二醇二甲醚 (TEGDME) 1,2-bis(2-methoxyethoxy)ethane | 112-49-2 | <1000ppm | |
| 73 | 乙二醇二甲醚 (EGDME) 1,2-dimethoxyethane;ethylene glycol dimethyl ether | 110-71-4 | <1000ppm | |
| 74 | 三氧化二硼 Diboron trioxide | 1303-86-2 | <1000ppm | |
| 75 | 甲酰胺 Formamide | 75-12-7 | <1000ppm | |
| 76 | 甲基磺酸铅 Lead(II)bis(methanesulfonate)* | 17570-76-2 | <1000ppm | |
| 77 | N, N, N', N'-四甲基-4,4'-二氨基二 苯甲烷 (米氏碱) N, N, N', N'-tetramethyl-4,4'-methy lenedianiline (Michler's base) | 101-61-1 | <1000ppm | |
| 78 | 1,3,5-三(环氧乙基甲基)-1,3,5- 三嗪-2,4,6-(1H,3H,5H)-三酮 1,3,5-tris(oxiranylmethyl)-1,3,5- -triazine-2,4,6(1H,3H,5H)-trione | 2451-62-9 | <1000ppm | |
| 79 | C. I. 溶剂蓝 4 C. I. Solvent Blue 4 | 6786-83-0 | <1000ppm | |
| 80 | 1,3,5-三-[(2S和2R)-2,3-环氧 丙基]-1,3,5-三嗪-(1H,2H,5H)-三 酮 (β-TGIC) 1,3,5,-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triaz ine-2,4,6-(1H,3H,5H)-trione | 59653-74-6 | <1000ppm | |
| 81 | 4,4'-二(二甲氨基)-4"-氨基三苯 甲醇 4,4'-bis(dimethylamino)-4''-(meth ylamino)trityl alcohol | 561-41-1 | <1000ppm | |
| 82 | 4,4'-二(二甲氨基)二苯甲酮 (米 氏酮) 4,4'-bis(dimethylamino) benzophenone(Michler's Ketone) | 90-94-8 | <1000ppm | |

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| 83 | Cl. 碱性紫 3Cl. Basic Violet 3 | 548-62-9 | <1000ppm | |
| 84 | Cl. 碱性蓝 26C.1. Basic Blue 26 | 2580-56-5 | <1000ppm | |
| 85 | 十溴二苯醚 Bis(pentabromophenyl) ether(DecaBDE) | 1163-19-5 | <1000ppm | |
| 86 | 全氟十三烷酸 Pentacosafuorotridecanoic acid | 72629-94-8 | <1000ppm | |
| 87 | 全氟十二烷酸 Tricosafuorododecanoic acid | 307-55-1 | <1000ppm | |
| 88 | 全氟十一烷酸 Henicosafuoroundecanoic acid | 2058-94-8 | <1000ppm | |
| 89 | 全氟代十四酸 Heptacosafuorotetradecanoic acid | 376-06-7 | <1000ppm | |
| 90 | 偶氮二甲酰胺 C, C' -azodi(formamide)) | 123-77-3 | <1000ppm | |
| 91 | 六氢邻苯二甲酸酐 Cyclohexane-1, 2-dicarboxylic anhydride Cyclohexane-1, 2-dicarboxylic anhydride [1] cis-cyclohexane-1, 2-dicarboxylic anhydride [2] trans-cyclohexane-1, 2-dicarboxylic anhydride [3] [The individual cis- [2] and trans-[3] | 85-42-7, 13149-00-3, 14166-21-3 | <1000ppm | |
| 92 | 甲基六氢苯酐、4-甲基六氢苯酐、甲基六氢化邻苯二甲酸酐、3-甲基六氢苯二甲酯酐 Hexahydromethylphthalic anhydride 、 Hexahydro-4-methylphthalic anhydride , Hexahydro-1-methylphthalic anhydride , Hexahydro-3-methylphthalic anhydride | 25550-51-0 、 19438-60-9 、 48122-14-1 、 57110-29-9 | <1000ppm | |
| 93 | 壬基(支鏈直鏈)苯酚 4-Nonylphenol, branched and linear | / | <1000ppm | |
| 94 | 对特辛基苯酚 4-(1, 1, 3, 3-tetramethylbutyl)phen | / | <1000ppm | |

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| | ol, ethoxylated-covering well-defined substances and UVCB substances, polymers and homologues | | | |
| 95 | 甲氧基乙酸 Methoxy acetic acid | 625-45-6 | <1000ppm | |
| 96 | N,N-二甲基甲酰胺 N,N-dimethylformamide; dimethyl formamide | 68-12-2 | <1000ppm | |
| 97 | 二丁基二氯化锡 Dibutyltin dichloride (DBT) | 683-18-1 | <1000ppm | |
| 98 | 一氧化铅 Lead oxide (lead monoxide) | 1317-36-8 | <1000ppm | |
| 99 | 四氧化三铅 Lead tetroxide (orange lead) | 1314-41-6 | <1000ppm | |
| 100 | 四氟硼酸铅 Lead bis(tetrafluoroborate) | 13814-96-5 | <1000ppm | |
| 101 | 碱式碳酸铅 Basic lead carbonate (trilead bis(carbonate)dihydroxide) | 1319-46-6 | <1000ppm | |
| 102 | 钛酸铅 Lead titanium trioxide | 12060-00-3 | <1000ppm | |
| 103 | 钛酸铅锆 Lead Titanium Zirconium Oxide | 12626-81-2 | <1000ppm | |
| 104 | 硅酸铅 Silicic acid, lead salt | 11120-22-2 | <1000ppm | |
| 105 | 掺杂铅的硅酸钡 Silicic acid, barium salt, lead-doped | 68784-75-8 | <1000ppm | |
| 106 | 1-溴丙烷 1-bromopropane | 106-94-5 | <1000ppm | |
| 107 | 环氧丙烷 Propylene oxide; 1,2-epoxypropane; methyloxirane | 75-56-9 | <1000ppm | |
| 108 | 1,2-苯二酸-二(支链和直链)戊基酯 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | <1000ppm | |
| 109 | 邻苯二甲酸二异戊酯 Diisopentylphthalate | 605-50-5 | <1000ppm | |
| 110 | 邻苯二甲酸正戊基异戊基酯 N-pentyl-isopentylphthalate | 776297-69-9 | <1000ppm | |
| 111 | 乙二醇二乙醚 1,2-Diethoxyethane | 629-14-1 | <1000ppm | |
| 112 | 碱式乙酸铅 Acetic acid, lead salt, basic | 51404-69-4 | <1000ppm | |
| 113 | 碱式硫酸铅 lead oxide sulphate | 12036-76-9 | <1000ppm | |
| 114 | 二盐基邻苯二甲酸铅 Dibasic lead | 69011-06-9 | <1000ppm | |

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| | phthalate(phthalate(2-dioxotrilead)) | | | |
| 115 | 双(十八酸基)二氧化三铅 Dioxobis(stearato)trilead | 12578-12-0 | <1000ppm | |
| 116 | C16-18-脂肪酸铅盐 Fatty acids, C16-18, lead salts | 91031-62-8 | <1000ppm | |
| 117 | 氨基氰铅盐 Lead cyanamidate | 20837-86-9 | <1000ppm | |
| 118 | 硝酸铅 Lead dinitrate | 10099-74-8 | <1000ppm | |
| 119 | 氧化铅与硫酸铅的复合物 Pentalead tetraoxide sulphate | 12065-90-6 | <1000ppm | |
| 120 | 颜料黄41 Pyrochlore, antimony lead yellow | 8012-00-8 | <1000ppm | |
| 121 | 二碱式亚硫酸铅(II)Sulfurous acid, lead salt, dibasic | 62229-08-7 | <1000ppm | |
| 122 | 四乙基铅 Tetraethyllead | 78-00-2 | <1000ppm | |
| 123 | 三碱式硫酸铅 Tetralead trioxide sulphate | 12202-17-4 | <1000ppm | |
| 124 | 磷酸氧化铅 Trilead dioxide phosphonate | 12141-20-7 | <1000ppm | |
| 125 | 呋喃 Furan | 110-00-9 | <1000ppm | |
| 126 | 硫酸二乙酯 Diethyl sulphate | 64-67-5 | <1000ppm | |
| 127 | 硫酸二甲酯 Dimethyl sulphate | 77-78-1 | <1000ppm | |
| 128 | 3-乙基-2-甲基-2-(3-甲基丁基)恶唑 烷 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | <1000ppm | |
| 129 | 地乐酚 Dinoseb | 88-85-7 | <1000ppm | |
| 130 | 4,4'-二氨基-3,3'-二甲基二苯甲烷 4,4'-methylenedi-o-toluidine | 838-88-0 | <1000ppm | |
| 131 | 4,4'-二氨基二苯醚 4,4'-oxydianiline and its salts | 101-80-4 | <1000ppm | |
| 132 | 4-氨基偶氮苯 4-Aminoazobenzene; 4-Phenylazoaniline | 60-09-03 | <1000ppm | |
| 133 | 2,4-二氨基甲苯 4-methyl-m-phenylenediamine(2,4-toluene-diamine) | 95-80-7 | <1000ppm | |
| 134 | 2-甲氧基-5-甲基苯胺 6-methoxy-m-toluidine(p-cresidin) | 120-71-8 | <1000ppm | |

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| | e) | | | |
| 135 | 4-氨基联苯 Biphenyl-4-ylamine | 92-67-1 | <1000ppm | |
| 136 | 邻氨基偶氮甲苯 o-aminoazotoluene | 97-56-3 | <1000ppm | |
| 137 | 邻甲基苯胺 o-Toluidine; 2-Aminotoluene | 95-53-4 | <1000ppm | |
| 138 | N-甲基乙酰胺 N-methylacetamide | 79-16-3 | <1000ppm | |
| 139 | 镉 Cadmium | 7440-43-9 | <1000ppm | |
| 140 | 氧化镉 Cadmium oxide | 1306-19-0 | <1000ppm | |
| 141 | 邻苯二甲酸二正戊酯 Dipentyl phthalate(DPP) | 131-18-0 | <1000ppm | |
| 142 | 十五代氟辛酸铵盐 Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | <1000ppm | |
| 143 | 全氟辛酸 Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | <1000ppm | |
| 144 | 4-壬基(支链与直链)苯酚乙氧基醚 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] | / | <1000ppm | |
| 145 | 硫化镉 Cadmium sulphide | 1306-23-6 | <1000ppm | |
| 146 | 邻苯二甲酸二己酯 Dihexyl phthalate | 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) | 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) | 1937-37-7 | <1000ppm | |
| 149 | 亚乙基硫脲 azolidine-2-thione; | 96-45-7 | <1000ppm | |

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| | (2-imidazoline-2-thiol) | | | |
| 150 | 醋酸鉛 Lead di(acetate) | 301-04-2 | <1000ppm | |
| 151 | 磷酸三(二甲苯)酯 Trixylyl phosphate | 25155-23-1 | <1000ppm | |
| 152 | 氯化鎘 Cadmium chloride | 10108-64-2 | <1000ppm | |
| 153 | 邻苯二甲酸二己酯，支链和直链 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | <1000ppm | |
| 154 | 过硼酸钠 Sodium peroxometaborate | 7632/4/4 | <1000ppm | |
| 155 | 水合高硼酸钠盐类 Sodium perborate; perboric acid, sodium salt | - | <1000ppm | |
| 156 | Cadmium fluoride 氟化鎘 | 7790-79-6 | <1000ppm | |
| 157 | Cadmium sulphate 硫酸鎘 | 10124-36-4, 31119-53-6 | <1000ppm | |
| 158 | 2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320) 2-苯并三唑-2-錯基-4,6-二-三級-丁基苯酚 (UV-320) | 3846-71-7 | <1000ppm | |
| 159 | 2-(2H-benzotriazol-2-yl)-4,6-di-tertbutylphenol (UV-328) 2-(2H-苯并三唑-2-基)-4,6-二三級戊基苯酚 (UV-328) | 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 (reaction mass of DOTE and MOTE) 10-乙基-4,4-二辛基-7-氧-8-氧代-3,5-二硫代-4-錫代十四酸 | / | <1000ppm | |

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| | 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) | | | |
| 162 | 2-苯二甲酸混合癸與己和辛二酯，包含 $\geq 0.3\%$ 的鄰苯二甲酸二己酯(DNHP，EC No. 201-559-5，CAS No. 84-75-3) | 68515-51-5 | <1000ppm | |
| | 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) | 68648-93-1 | <1000ppm | |
| 163 | No. 201-559-5) 68515-51-5 271-094-0 68648-93-1 272-013-1 163. 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【口罅】【口東】 [2] 5-二級丁基-2-(4,6-二甲基環己-3-烯-1-基)-5-甲基-1,3-二 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] | / | <1000ppm | |
| 164 | 硝基苯 nitrobenzene | 98-95-3 | <1000ppm | |
| 165 | UV-327 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 3864-99-1 | <1000ppm | |
| 166 | UV-350 2-(2H-benzotriazol-2-yl)-4-(tert | 36437-37-3 | <1000ppm | |

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| | -butyl)-6-(sec-butyl)phenol (UV-350) | | | |
| 167 | 1,3-丙烷磺内酯 1,3-propanesultone | 1120-71-4 | <1000ppm | |
| 168 | 全氟壬酸及其钠盐和氨盐. Perfluorononan-1-oic-acid and its sodium and ammonium salts | 375-95-1 21049-39-8 4149-60-4 | <1000ppm | |
| 169 | 苯并[def]蒽 (苯并 [a] 芘) Benzo[def]chrysene (Benzo[a]pyrene) | 50-32-8 | <1000ppm | |
| 170 | 雙酚 A 4,4'-isopropylidenediphenol | 80-05-7 | <1000ppm | |
| 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 | - | <1000ppm | |
| 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 | 335-76-2 3108-42-7 3830-45-3 | <1000ppm | |
| 173 | 對-(1,1-二甲基丙基)苯酚 p-(1,1-dimethylpropyl)phenol | 80-46-6 | <1000ppm | |
| 174 | 全氟己基磺酸及其鹽類 Perfluorohexane-1-sulphonic acid and its salts | - | <1000ppm | |
| 175 | 德克隆 [包括其所有反式和順式異構 體及其組 合] Dechlorane Plus(TM) and react ion products | 13560--89-9; 135821-74-8; 135821-03-3 etc | <1000ppm | |

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| | of 1,3,4-thiadiazolidine-2,5-dithione | | | |
| 176 | 苯并[a]蒽 benz[a]anthracene | 56-55-3 | <1000ppm | |
| 177 | 硝酸镉 cadmium nitrate | 10325-94-7 | <1000ppm | |
| 178 | 碳酸镉 cadmium carbonate | 513-78-0 | <1000ppm | |
| 179 | 氢氧化镉 cadmium hydroxide | 21041-95-2 | <1000ppm | |
| 180 | 屈 chrysene | 218-01-9 | <1000ppm | |
| 181 | 1,3,4-噻二唑烷-2,5-二硫酮，甲醛和4-庚基苯酚的支鏈和直鏈(RP-HP)的反應產物[4-庚基苯酚支鏈和直鏈含量≥ 0.1%w/w]formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥ 0.1% w/w 4-heptylphenol, branched and linear] | - | <1000ppm | |
| 182 | 苯-1,2,4-三羧酸 1,2-酐 (偏苯三酸酐) (TMA) Benzene-1,2,4-tricarboxylic acid 1,2 anhydride | 552-30-7 | <1000ppm | |
| 183 | 苯并[GHI]聚二甲苯 Benzo[ghi]perylene | 191-24-2 | <1000ppm | |
| 184 | 十甲基环五硅氧烷 (D5) Decamethylcyclopentasiloxane (D5) | 541-02-6 | <1000ppm | |
| 185 | 邻苯二甲酸二环己酯 (DCHP) Dicyclohexyl phthalate DCHP | 84-61-7 | <1000ppm | |
| 186 | 氧化硼钠 Disodium octaborate | 12008-41-2 | <1000ppm | |
| 187 | 十二甲基环六硅氧烷 (D6) Dodecamethylcyclohexasiloxane D6 | 540-97-6 | <1000ppm | |
| 188 | 乙二胺 (EDA) Ethylenediamine EDA | 107-15-3 | <1000ppm | |
| 189 | 鉛 Lead | 7439-92-1 | <1000ppm | Except for the following: 1. Copper alloy parts <4% |

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| | | | | 2. Steel alloy parts <0.35% 3. Aluminum alloy parts <0.4% |
| 190 | 八甲基环四硅氧烷 (D4) Octamethylcyclotetrasiloxane D4 | 556-67-2 | <1000ppm | |
| 191 | 氢化三联苯 Terphenyl, hydrogenated | 61788-32-7 | <1000ppm | |
| 192 | 1, 7, 7-三甲基-3-(苯基亚甲基)双环 [2. 2. 1]庚-2-酮 (3-亚苄基樟脑) 1, 7, 7-trimethyl-3-(phenylmethyle ne)bicyclo[2. 2. 1]heptan-2-one (3-benzylidene camphor; 3-BC) | 15087-24-8 | <1000ppm | |
| 193 | 4, 4'-(1, 3-二甲基丁基)二苯酚 2, 2-bis(4'-hydroxyphenyl)-4-meth ylpentane | 6807-17-6 | <1000ppm | |
| 194 | 苯并[k]荧蒹 Benzo[k]fluoranthene | 207-08-9 | <1000ppm | |
| 195 | 荧蒹 Fluoranthene | 206-44-0, 93951-69-0 | <1000ppm | |
| 196 | 菲 Phenanthrene | 85-01-8 | <1000ppm | |
| 197 | 芘 Pyrene | 129-00-0, 1718-52-1 | <1000ppm | |
| 198 | 2, 3, 3, 3-四氟-2-(七氟丙氧基)丙酸 及其盐和酰基卤化物(包括单体和组 合) 2, 3, 3, 3-tetrafluoro-2-(heptaflu ropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) | - | <1000ppm | |
| 199 | 2-甲氧基乙基乙酸酯 2-methoxyethyl acetate | 110-49-6 | <1000ppm | |
| 200 | 4-叔丁基苯酚 4-tert-butylphenol | 98-54-4 | <1000ppm | |
| 201 | 三(4-壬基苯基, 支链和直链)亚磷酸 酯(TNPP)(含≥0.1%的支链和直链4- | - | <1000ppm | |

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| | 壬基苯酚) Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | | | |
| 202 | 全氟丁烷磺酸 (PFBS) 及其盐 Perfluorobutane sulfonic acid (PFBS) and its salts | - | <1000ppm | |
| 203 | 邻苯二甲酸二异己酯 Diisohexyl phthalate | 71850-09-4 | <1000ppm | |
| 204 | 2-甲基-1-(4-甲基苯基)-2-吗啉基-1-丙酮 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 71868-10-5 | <1000ppm | |
| 205 | 2-苄基-2-二甲基氨基-4'-吗啉基苯基丁酮 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 119313-12-1 | <1000ppm | |
| 206 | 1-乙烯基咪唑 1-vinylimidazole | 1072-63-5 | <1000ppm | |
| 207 | 2-甲基咪唑 2-methylimidazole | 693-98-1 | <1000ppm | |
| 208 | 双(乙酰丙酮基)二丁基锡 Dibutylbis(pentane-2,4-dionato-0,0')tin | 22673-19-4 | <1000ppm | |
| 209 | 对羟基苯甲酸丁酯 Butyl 4-hydroxybenzoate | 94-26-8 | <1000ppm | |
| 210 | 双(2-(2-甲氧基乙氧基)乙基)醚 (四乙二醇二甲醚) bis(2-(2-methoxyethoxy)ethyl) ether | 205-594-7 | <1000ppm | |
| 211 | 二月桂酸二辛基锡, 锡烷, 二辛基-, 双(椰油酰氧基)衍生物, 以及任何其他锡烷, 二辛基-, 双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数 Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivatives., and any other stannane, dioctyl-, bis(fatty acyloxy) derivatives. wherein C12 is the predominant | / | <1000ppm | |

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| | t carbon number of the fatty acyloxy moiety | | | |
| 212 | 2-(4-叔丁基苄基)丙醛及其立体异构体 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers | / | <1000ppm | |
| 213 | 原硼酸钠盐 Orthoboric acid, sodium salt | 237-560-2 | <1000ppm | |
| 214 | 2,2-双(溴甲基)丙烷1,3-二醇 (BMP) 2,2-bis(bromomethyl)propane 1,3-diol 2,2-二甲基丙烷-1-醇, 三溴衍生物 / 3-溴-2,2-双(溴甲基)-1-丙醇 (TBNPA) 2,2-dimethylpropan-1-ol, tribromo derivative / 3-bromo-2,2-bis(bromomethyl)-1-propanol 2,3-二溴-1-丙醇(2,3-DBPA) 2,3-dibromo-1-propanol | 221-967-7; 253-057-0; 202-480-9 | <1000ppm | |
| 215 | 戊二醛 Glutaral | 203-856-5 | <1000ppm | |
| 216 | 中链氯化石蜡(MCCP)[由大于等于80%的碳链长度在14至17范围内的直链氯代烷烃组成的UVCB物质] 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 | - | <1000ppm | |

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| 217 | 来自低聚反应的C12富集的支链或直链的苯酚烷基化合物(主要为对位)及其异构体或组合(PDDP)Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof | - | <1000ppm | |
| 218 | 1-4 二恶烷 1,4-dioxane | 204-661-8 | <1000ppm | |
| 219 | 4,4'-(1-甲基亚丙基)双酚 4,4'-(1-methylpropylidene)bisphe nol | 201-025-1 | <1000ppm | |
| 220 | 2,2'-亚甲基双(4-甲基-6-叔丁基苯) (DBMC) 6,6'-di-tert-butyl-2,2'-methylen edi-p-cresol | 119-47-1 | <1000ppm | |
| 221 | 乙烯基-三(2-甲氧基乙氧基)硅烷 tris(2-methoxyethoxy)vinylsilane | 1067-53-4 | <1000ppm | |
| 222 | (±)-1,7,7-三甲基-3-[(4-甲基苯基) 亚甲基]二环[2.2.1]庚-2-酮, 包括各 个异构体和/或其组合 (4-MBC) (±)-1,7,7-trimethyl-3-[(4-methyl phenyl)methylene]bicyclo[2.2.1]h eptan-2-one, covering any of the individual isomers and/or combinations thereof | - | <1000ppm | |
| 223 | S-(三环[5.2.1.0' ² ,6]癸-3-烯-8(或 9)-基)O-(异丙基或异丁基或2-乙基 己基)O-(异丙基或异丁基或2-乙基己 基)二硫代磷酸酯 S-(tricyclo(5.2.1.0' ² ,6)deca-3-e n-8(or 9)-yl)O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 255881-94-8 | <1000ppm | |

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| 224 | N-羟甲基丙烯酰胺 N-(hydroxymethyl)acrylamide | 924-42-5 | <1000ppm | |
| 225 | 1,2-二(2,4,6-三溴苯氧基)乙烷 1,1'-[ethane-1,2-diylbisoxyl] bis[2,4,6-tribromobenzene] | 37853-59-1 | <1000ppm | |
| 226 | 四溴双酚 A 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | 79-94-7 | <1000ppm | |
| 227 | 双酚 S 4,4'-sulphonyldiphenol | 80-09-1 | <1000ppm | |
| 228 | 偏硼酸钡 Barium diboron tetraoxide | 13701-59-2 | <1000ppm | |
| 229 | 3,4,5,6-四溴-1,2-苯二羧酸双(2-乙基己基)酯，包括包括任何单独的异构体和/或其组合 Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof | / | <1000ppm | |
| 230 | 4-羟基苯甲酸 2-甲基丙酯 Isobutyl 4-hydroxybenzoate | 4247-02-3 | <1000ppm | |
| 231 | 三聚氰胺 Melamine | 108-78-1 | <1000ppm | |
| 232 | 全氟庚酸及其盐 Perfluoroheptanoic acid and its salts | / | <1000ppm | |
| 233 | 2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙烷-2-基)吗啉和 2,2,3,3,5,5,6,6-八氟烷-4-(七氟丙基)吗啉的反应物料 reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropyl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine | / | <1000ppm | |
| 234 | 4,4'-二氯二苯砜 Bis(4-chlorophenyl) sulphone | 80-07-9 | <1000ppm | |

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| 235 | 二苯基(2,4,6-三甲基苯甲酰基)氧化膦 Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 75980-60-8 | <1000ppm | |
| 236 | 2,4,6-三叔丁基苯酚(2,4,6-TTBP) 2,4,6-tri-tert-butylphenol | 732-26-3 | <1000ppm | |
| 237 | 2-[2-羟基-5-(1,1,3,3-四甲丁基)苯基]苯并三唑 (UV-329) 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol | 3147-75-9 | <1000ppm | |
| 238 | 2-(4-甲基苄基)-2-(二甲基氨基)-1-(4-吗啉苄基)-1-丁酮 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 119344-86-4 | <1000ppm | |
| 239 | 2-(5-氯-2H-苯三唑-2-基)-6-(1,1-二甲基乙基)-4-甲基苯酚 (UV-326) Bumetrizole | 3896-11-5 | <1000ppm | |
| 240 | 2-苯基丙烯与苯酚的低聚和烷基化反应产物 Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol | / | <1000ppm | |
| 241 | 过氧化二异丙苯 Bis(α,α-dimethylbenzyl) peroxide | 80-43-3 | <1000ppm | |

Name of the undersigned: Jason Lee

Title: Quality Manager

Date: 2024/07/05

 

Signature: _____