

Aug. 2nd, 2023

Declaration of RoHS & REACH SVHC Compliance

Dear Customer,

ISSI hereby declares that memory products SRAM, DRAM & Flash (except for packing/packaging materials) satisfy the following requirements/conditions:

- 1) Complying with the RoHS directive (2011/65/EU & EU 2015/863) with none of exemption and Halogen free. This is also covered China RoHS and ELV requirements.
- 2) Complying with Persistent Organic Pollutants (POPs) & PFOS, PFOA and its salts of ECHA regulations, restricting the use of certain materials in products. The allowable concentration listed below:

| Regulations | Substances | Allowable concentration |
|--|--|---|
| 2011/65/EU & EU 2015/863 | Cadmium (Cd) | 100 ppm |
| | Lead (Pb) | 1000 ppm |
| | Mercury (Hg) | 1000 ppm |
| | Hexavalent Chromium (Cr6+) | 1000 ppm |
| | Poly Brominated Biphenyls (PBB) | 1000 ppm |
| | Poly Brominated Diphenyl Ethers (PBDE) | 1000 ppm |
| EU 2015/863 | Phthalates (DEHP, BBP, DBP, DIBP) | 1000 ppm by each |
| Halogen Free (IEC 61249-2-21, JPCA-ES01 2003 & IPC 4101) | Bromine (Br) | 900 ppm |
| | Chlorine (Cl) | 900 ppm |
| | Total concentration of Cl & Br | 1500 ppm |
| (EU) 2019/1021 | PFOS and its salts | 1000 ppm |
| (EU) 2019/1021 (EU) 2020/784 | PFOA and its salts | 25 ppb of PFOA or totally 1000 ppb (1ppm) of one or a combination of PFOA and its salts in materials. |

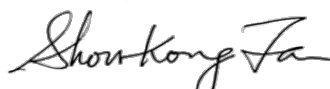
- 3) Complying with the 235 SVHC of EU directive of the Regulation (EC) No 1907/2006 (REACH) including XIV (Authorisation List) & annex XVII conditions of restriction: the part shall not contain more than the 0.1% of the following SVHC by weight of part as defined in appendix. (ECHA Candidate list: <http://echa.europa.eu/web/guest/candidate-list-table>)
- 4) Complying with the IPC/JEDEC J-STD-020 with regard to the solder profile requirement (Max. reflow temperature 260 deg. C)

This Declaration is made with ISSI's best commercial effort to verify the compliance, of its suppliers, with the above requirement, and is given in good faith without any responsibility or liability. The statement here above does not extend to or apply to the procedures subject to unintentional contamination, misuse, neglect, accident, improper installation or any use in violation of instructions furnished by ISSI.

This Declaration contains the entire understanding between you and ISSI with respect to this subject matter and supersedes all prior agreements, understandings and/or representations.

Please let us know if there is any further concern.

Sincerely Yours,



Shou-Kong Fan
Vice President
Quality & Reliability Assurance Division

Appendix: ECHA Candidate list (SVHC)

Revision: Jun. 14th 2023

| No. | Substance Name | CAS No. |
|-----|---|--|
| 1 | 三乙基砷酸酯 Triethyl arsenate | 15606-95-8 |
| 2 | 蔥 Anthracene | 120-12-7 |
| 3 | 4,4'- 二氨基二苯甲烷 4,4'- Diaminodiphenylmethane(MDA) | 101-77-9 |
| 4 | 鄰苯二甲酸二丁酯 Dibutyl phthalate(DBP) | 84-74-2 |
| 5 | 氯化鈷 Cobalt dichloride | 7646-79-9 |
| 6 | 五氧化二砷 Diarsenic Pentaoxide | 1303-28-2 |
| 7 | 三氧化二砷 Diarsenic trioxide | 1327-53-3 |
| 8 | 重鉻酸鈉 · 二倍結晶水 Sodium Dichromate | 7789-12-0 10588-01-9 |
| 9 | 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) | 81-15-2 |
| 10 | 鄰苯二甲酸二(2-乙基己基)酯 Bis(2-ethylhexyl) Phthalate (DEHP) | 117-81-7 |
| 11 | 六溴環十二烷 Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane | 25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8 |
| 12 | 短鏈氯化路蠟 Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 85535-84-8 |
| 13 | 氧化三丁錫 Bis(tributyltin)oxide (TBTO) | 56-35-9 |
| 14 | 砷酸氫鉛 Lead hydrogen arsenate | 7784-40-9 |
| 15 | 鄰苯二甲酸丁酯苯甲酯 Benzyl butyl phthalate (BBP) | 85-68-7 |
| 16 | 蔥油 Anthracene oil | 90640-80-5 |
| 17 | 蔥油 · 蔥糊 · 輕油 Anthracene oil, anthracene paste, distn. Lights* | 91995-17-4 |
| 18 | 蔥油 · 蔥糊 · 蔥醌分離液 Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 |
| 19 | 蔥油 · 含蔥量少 Anthracene oil, anthracene-low | 90640-82-7 |
| 20 | 蔥油 · 蔥糊 Anthracene oil, anthracene paste | 90640-81-6 |
| 21 | 煤瀝青 · 高溫 Coal tar pitch, high temperature | 65996-93-2 |
| 22 | 丙烯醯胺 Acrylamide | 79-06-1 |
| 23 | 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 less or equal to 18% by weight | None |

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| 24 | 矽酸鋁氧化鋯·陶瓷耐火纖維 Zirconia Aluminosilicate, Refractor 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 | None |
| 25 | 2,4 二硝基甲苯 2,4-Dinitrotoluene | 121-14-2 |
| 26 | 鄰苯二甲酸二異丁酯 Dilsobutyl phthalate | 84-69-5 |
| 27 | 鉻酸鉛 Lead chromate | 7758-97-6 |
| 28 | 紅色鉻鉬酸硫酸鹽 Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 12656-85-8 |
| 29 | 黃色硫化鉻酸鉛 Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 1344-37-2 |
| 30 | 三 2-(氯乙基)磷酸酯 Tris (2-chloroethyl) phosphate | 115-96-8 |
| 31 | 三氯乙烯 Trichloroethylene | 79-01-6 |
| 32 | 硼酸 Boric acid | 10043-35-3 11113-50-1 |
| 33 | 無水四硼酸二鈉 Disodium tetraborate, anhydrous | 1303-96-4 1330-43-4 12179-04-3 |
| 34 | 水合七氧四硼酸二鈉 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 Potassium dichromate | 7778-50-9 |
| 39 | 硫酸鈷 Cobalt sulfate | 10124-43-3 |
| 40 | 硝酸鈷 Cobalt dinitrate | 10141-05-6 |
| 41 | 碳酸鈷 Cobalt carbonate | 513-79-1 |
| 42 | 醋酸鈷 Cobalt diacetate | 71-48-7 |
| 43 | 2-甲氧基乙醇 2-Methoxyethanol | 109-86-4 |
| 44 | 2-乙氧基乙醇 2-Ethoxyethanol | 110-80-5 |
| 45 | 三氧化鉻 Chromium trioxide | 1333-82-0 |
| 46 | 三氧化二鉻 Chromic acid/重鉻酸 Dichromic acid | 7738-94-5 13530-68-2 |
| 47 | 乙酸-2-乙氧基乙酯 2-ethoxyethyl acetate | 111-15-9 |
| 48 | 鉻酸銣 Strontium chromate | 7789-06-2 |
| 49 | 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) | 68515-42-4 |
| 50 | 胼 Hydrazine | 302-01-2 7803-57-8 |
| 51 | N-甲基吡咯烷酮 1-methyl-2-pyrrolidone | 872-50-4 |
| 52 | 1·2·3-三氯丙烷 1,2,3-trichloropropane | 96-18-4 |
| 53 | 鄰苯二甲酸二 C6-8 支鏈 烷基酯 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) | 71888-89-6 |

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| 54 | 鉻酸鉻 Dichromium tris(chromate) | 24613-89-6 |
| 55 | 氫氧化鉻酸鋅鉀 Potassium hydroxyoctaoxidizincatedi-chromate | 11103-86-9 |
| 56 | C.I.顏料黃 36 Pentazinc chromate octahydroxide | 49663-84-5 |
| 57 | 甲醛和苯胺聚合物 Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 25214-70-4 |
| 58 | 鄰苯二甲酸二甲氧乙酯 Bis(2-methoxyethyl) phthalate | 117-82-8 |
| 59 | 鄰-甲氧苯胺 2-Methoxyaniline; o-Anisidine | 90-04-0 |
| 60 | 4-三級辛基苯酚 4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol) | 140-66-9 |
| 61 | 1,2-二氯乙烷 1,2-Dichloroethane | 107-06-2 |
| 62 | 二甘醇二甲醚 Bis(2-methoxyethyl) ether | 111-96-6 |
| 63 | 砷酸 Arsenic acid | 7778-39-4 |
| 64 | 砷酸鈣 Calcium arsenate | 7778-44-1 |
| 65 | 砷酸鉛 Trilead diarsenate | 3687-31-8 |
| 66 | N,N-二甲基乙醯胺 N,N-dimethylacetamide (DMAC) | 127-19-5 |
| 67 | 4,4'-二氨基-2,2'-二氯二苯甲烷, 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | 101-14-4 |
| 68 | 酚酞 Phenolphthalein | 77-09-8 |
| 69 | 疊氮化鉛 Lead azide Lead diazide | 13424-46-9 |
| 70 | 收斂酸鉛 Lead styphnate | 15245-44-0 |
| 71 | 苦味酸鉛 Lead dipicrate | 6477-64-1 |
| 72 | 三甘醇二甲醚 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 |
| 73 | 乙二醇二甲醚 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 |
| 74 | α,α -二[(二甲氨基)苯基]-4-甲氨基苯甲醇 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol | 561-41-1 |
| 75 | 4'-二(N,N-二甲氨基)二苯甲酮 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 90-94-8 |
| 76 | 結晶紫 [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) | 548-62-9 |
| 77 | 鹼性藍 26; 維多利亞藍 B [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 |
| 78 | 三氧化二硼 (無水硼酸) Diboron trioxide | 1303-86-2 |
| 79 | 氨基甲醛 Formamide | 75-12-7 |
| 80 | 甲基磺酸鉛 Lead(II) bis(methanesulfonate) | 17570-76-2 |
| 81 | N,N,N',N'-四甲基-4,4'-二氨基二苯甲烷 N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 |
| 82 | 1,3,5-三縮水甘油-S-三嗪三酮 TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) | 2451-62-9 |
| 83 | A,A-二[4-(二甲氨基)苯基]-4-苯基氨基-1-萘甲醇 α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) | 6786-83-0 |
| 84 | β -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) 異氰脲酸 B-三縮水甘油酯 | 59653-74-6 |
| 85 | 十溴聯苯醚 Bis(pentabromophenyl) ether (DecaBDE) | 1163-19-5 |
| 86 | 全氟十三酸 Pentacosafuorotridecanoic acid | 72629-94-8 |

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| 87 | 全氟十二烷酸 Tricosafuorododecanoic acid | 307-55-1 |
| 88 | 全氟十一烷酸 Henicosafuoroundecanoic acid | 2058-94-8 |
| 89 | 全氟代十四酸 Heptacosafuorotetradecanoic acid | 376-06-7 |
| 90 | 辛基酚聚醚-9，包括界定明確的物質以及 UVCB 物質、聚合物和同系物 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues | - |
| 91 | 分支或線性的壬基酚，含有線性或分支、共價綁定苯酚的 9 個碳烷基鏈的物質，包括 UVCB 物質以及任何含有獨立或組合的界定明確的同分異構體的物質 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 isomers or a combination thereof | - |
| 92 | 偶氮二甲醯胺 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 |
| 93 | 順環己烷-1,2-二羧酸酐 Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) | 85-42-7 |
| 94 | 甲基六氫苯酐、4-甲基六氫苯酐、甲基六氫化鄰苯二甲酸酐、3-甲基六氫苯二甲酸酐 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 |
| 95 | 甲氧基乙酸 Methoxy acetic acid | 625-45-6 |
| 96 | 1,2-苯二羧二戊酯 (支鏈和直鏈) 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 |
| 97 | 鄰苯二甲酸二異戊酯 Diisopentylphthalate (DIPP) | 605-50-5 |
| 98 | 鄰苯二甲酸正戊基異戊基酯 N-pentyl-isopentylphthalate | - |
| 99 | 乙二醇二乙醚 1,2-Diethoxyethane | 629-14-1 |
| 100 | N,N-二甲基甲醯胺 N,N-dimethylformamide; dimethyl formamide | 68-12-2 |
| 101 | 二丁基錫 Dibutyltin dichloride (DBT) | 683-18-1 |
| 102 | 城式乙酸鉛 Acetic acid, lead salt, basic | 51404-69-4 |
| 103 | 城式碳酸鉛 Basic lead carbonate (trilead bis(carbonate)dihydroxide) | 1319-46-6 |
| 104 | 城式硫酸鉛 Lead oxide sulfate (basic lead sulfate) | 12036-76-9 |
| 105 | 二鹽基鄰苯二甲酸鉛[Phthalato(2-)]dioxotrilead (dibasic lead phthalate) | 69011-06-9 |
| 106 | 雙(十八酸基)二氧代三鉛 Dioxobis(stearato)trilead | 12578-12-0 |
| 107 | C16-18-脂肪酸鉛鹽 Fatty acids, C16-18, lead salts | 91031-62-8 |
| 108 | 氟硼酸鉛 Lead bis(tetrafluoroborate) | 13814-96-5 |
| 109 | 氨基氰鉛鹽 Lead cyanamidate | 20837-86-9 |
| 110 | 硝酸鉛 Lead dinitrate | 10099-74-8 |
| 111 | 氧化鉛 Lead oxide (lead monoxide) | 1317-36-8 |
| 112 | 四氧化三鉛 Lead tetroxide (orange lead) | 1314-41-6 |
| 113 | 鈦酸鉛 Lead titanium trioxide | 12060-00-3 |
| 114 | 鈦酸鉛鋇 Lead Titanium Zirconium Oxide | 12626-81-2 |
| 115 | 氧化鉛與硫酸鉛的複合物 Pentalead tetraoxide sulphate | 12065-90-6 |
| 116 | 顏料黃 41 Pyrochlore, antimony lead yellow | 8012-00-8 |
| 117 | 摻雜鉛的矽酸鋇 Silicic acid, barium salt, lead-doped | 68784-75-8 |
| 118 | 矽酸鉛 Silicic acid, lead salt | 11120-22-2 |

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| 119 | 亞硫酸鉛 (II) Sulfurous acid, lead salt, dibasic | 62229-08-7 |
| 120 | 四乙基鉛 Tetraethyllead | 78-00-2 |
| 121 | 三城式硫酸鉛 Tetralead trioxide sulphate | 12202-17-4 |
| 122 | 磷酸氧化鉛 Trilead dioxide phosphonate | 12141-20-7 |
| 123 | 呋喃 Furan | 110-00-9 |
| 124 | 環氧丙烷 Propylene oxide; 1,2-epoxypropane; methyloxirane | 75-56-9 |
| 125 | 硫酸二乙酯 Diethyl sulphate | 64-67-5 |
| 126 | 硫酸二甲酯 Dimethyl sulphate | 77-78-1 |
| 127 | 3-乙基-2-甲基-2-(3-甲基丁基)噁唑烷 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 |
| 128 | 地樂酚 Dinoseb | 88-85-7 |
| 129 | 4,4'-二氨基-3,3'-二甲基二苯甲烷 4,4'-methylenedi-o-toluidine | 838-88-0 |
| 130 | 4,4'-二氨基二苯醚 4,4'-oxydianiline and its salts | 101-80-4 |
| 131 | 4-胺基偶氮苯 4-Aminoazobenzene; 4-Phenylazoaniline | 60-09-3 |
| 132 | 2,4-二氨基甲苯 4-methyl-m-phenylenediamine (2,4-toluene-diamine) | 95-80-7 |
| 133 | 6-甲氧基 -間-甲苯胺 甲苯胺 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 |
| 134 | 4-氨基聯苯 Biphenyl-4-ylamine | 92-67-1 |
| 135 | 鄰氨基偶氮甲苯 o-aminoazotoluene | 97-56-3 |
| 136 | 鄰甲基苯胺 o-Toluidine; 2-Aminotoluene | 95-53-4 |
| 137 | N-甲基乙酰胺 N-methylacetamide | 79-16-3 |
| 138 | 溴代正丙烷 1-bromopropane; n-propyl bromide | 106-94-5 |
| 139 | 鎘 Cadmium | 7440-43-9 |
| 140 | 氧化鎘 Cadmium oxide | 1306-19-0 |
| 141 | 鄰苯二甲酸二戊酯 Dipentyl phthalate (DPP) | 131-18-0 |
| 142 | 分支或線性的乙氧基壬基酚 · 包括含有 9 個碳烷基鏈的所有獨立的同分異構體和所有含有線性或分支 9 個碳烷基鏈的 UVCB 物質 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] | - |
| 143 | 全氟辛酸銨 Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 |
| 144 | 全氟辛酸 Pentadecafluorooctanoic acid (PFOA) | 335-67-1 |
| 145 | 硫化鎘 Cadmium sulphide | 1306-23-6 |
| 146 | 鄰苯二甲酸二己酯 Dihexyl phthalate | 84-75-3 |
| 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) | 573-58-0 |
| 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) | 1937-37-7 |
| 149 | 亞乙基硫脲 Imidazolidine-2-thione; 2-imidazoline-2-thiol | 96-45-7 |
| 150 | 醋酸鉛 Lead di (acetate) | 301-04-2 |
| 151 | 磷酸三 (二甲苯) 酯 Trixylyl phosphate | 25155-23-1 |
| 152 | 鄰苯二甲酸二己酯 (支鏈和直鏈) 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 |

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| 153 | 氯化鎘 Cadmium chloride | 10108-64-2 |
| 154 | 過硼酸鈉 Sodium perborate; perboric acid, sodium salt | 15120-21-5 |
| 155 | 過氧偏硼酸鈉 Sodium peroxometaborate | 7632-04-4 |
| 156 | 2-(2'-羥基-3',5'-二-叔-戊基苯基)苯並三唑 (紫外線吸收劑 328) 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 |
| 157 | 2-[2-羥基-3',5'-二-叔-丁基苯基]-苯並三唑 (紫外線吸收劑 320) 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 |
| 158 | 二正辛基-双(2-乙基己基巰基乙酸酯)錫 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 |
| 159 | 氟化鎘 Cadmium fluoride | 7790-79-6 |
| 160 | 硫酸鎘 Cadmium sulphate | 10124-36-4; 31119-53-6 |
| 161 | 二正辛基-双(2-乙基己基巰基乙酸酯)錫和單辛基-三(2-乙基己基巰基乙酸酯)錫的反應物 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) | - |
| 162 | 鄰苯二甲酸二(C6-C6)烷基酯：(癸基·己基·辛基)酯與1·2-鄰苯二甲酸的複合物且鄰苯二甲酸二己酯含量≥0.3% 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) | 68515-51-5 68648-93-1 |
| 163 | 5-仲丁基-2-(2,4-二甲基環丁-3-烯-1-基)-5-甲基-1,3-二惡烷[1]·5-仲丁基-2-(4,6-二甲基環己-3-烯-1-基)-5-甲基-1,3-二惡烷[2] [覆蓋任何[1]和[2]或者其任意組合的單獨的異構體(卡拉花醛及其同分易構物) 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] | - |
| 164 | 硝苯 Nitrobenzene | 98-95-3 |
| 165 | 2,4-二叔丁基-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) | 3864-99-1 |
| 166 | 2-(2H-苯并三唑-2-基)-4-(叔-丁基)-6-(仲-丁基)苯酚 (UV-350) 2-(2H-苯并三唑-2-基)-4-三叔丁基-6-二叔丁基苯酚(UV-350) | 36437-37-3 |
| 167 | 1,3-丙磺內酯 1,3-propanesultone | 1120-71-4 |
| 168 | 全氟壬酸及其鈉與銨鹽 Perfluorononan-1-oic-acid and its sodium and ammonium salt | 375-95-1 21049-39-8 4149-60-4 |
| 169 | 苯并(a)芘 Benzo[def]chrysene | 50-32-8 |
| 170 | 雙酚 A 4,4'-isopropylidenediphenol (bisphenol A) | 80-05-7 |
| 171 | 4-庚基苯酚, 支鍊及直鍊 包括含有7個碳烷基鏈的所有獨立的同分異構體和所有含有線性或分支7個碳烷基鏈的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] | - |
| 172 | 十九氟癸酸及其鈉和銨鹽 Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 3108-42-7 335-76-2 3830-45-3 |

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| 173 | 對(1,1-二甲基丙基)苯酚 p-(1,1-dimethylpropyl)phenol | 80-46-6 |
| 174 | 全氟己基磺酸及其鹽類 Perfluorohexane-1-sulphonic acid and its salts (PFHxS) | 355-46-4 |
| 175 | 1,2-苯并菲;(【++快】) Chrysene | 218-01-9 |
| 176 | 苯[a]蔥 Benz[a]anthracene | 56-55-3 |
| 177 | 硝酸鎘 Cadmium nitrate | 10325-94-7 |
| 178 | 氫氧化鎘 Cadmium hydroxide | 21041-95-2 |
| 179 | 碳酸鎘 Cadmium carbonate | 513-78-0 |
| 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"™)[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"™) [covering any of its individual anti- and syn-isomers or any combination thereof] | - |
| 181 | 1,3,4-噁二唑-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 linear] | - |
| 182 | 1,2,4-苯三甲酸酐 Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA) | 552-30-7 |
| 183 | 苯并[g,h,i]芘 Benzo[ghi]perylene | 191-24-2 |
| 184 | 十甲基環五矽氧烷 Decamethylcyclopentasiloxane (D5) | 541-02-6 |
| 185 | 鄰苯二甲酸二環己酯 Dicyclohexyl phthalate (DCHP) | 84-61-7 |
| 186 | 八硼酸二鈉 Disodium octaborate | 12008-41-2 |
| 187 | 十二甲基環六矽氧烷 Dodecamethylcyclohexasiloxane (D6) | 540-97-6 |
| 188 | 乙二胺 Ethylenediamine (EDA) | 107-15-3 |
| 189 | 鉛 Lead | 7439-92-1 |
| 190 | 八甲基環四矽氧烷 Octamethylcyclotetrasiloxane (D4) | 556-67-2 |
| 191 | 氫化聯三苯 Terphenyl, hydrogenated | 61788-32-7 |
| 192 | 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; 3-BC | 15087-24-8 |
| 193 | 2,2-雙(4-羥基苯基)-4-甲基戊烷 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 6807-17-6 |
| 194 | 苯(k)苯駢芴 Benzo[k]fluoranthene | 207-08-9 |
| 195 | 苯駢芴 Fluoranthene | 206-44-0 93951-69-0 |
| 196 | 菲 Phenanthrene | 85-01-8 |
| 197 | 芘 Pyrene | 129-00-0 1718-52-1 |

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| 198 | 2,3,3,3-四氟-2-(七氟丙氧基)丙酸·鹽類·及其醯鹵(涵蓋他們其個別和組合之同分異構物) 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) | - |
| 199 | 2-甲氧基乙基乙酯 2-methoxyethyl acetate | 110-49-6 |
| 200 | 4-叔丁基苯酚 *16 4-tert-butylphenol | 98-54-4 |
| 201 | 三(4-壬基,支鏈及直鏈)亞磷酸酯 含≥0.1%的支鏈及直鏈 4-壬基酚 Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | - |
| 202 | 2-苄基-2-二甲基氨基-1-(4-嗎啉苯基)丁酮 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 119313-12-1 |
| 203 | 2-甲基-1-[4-(甲基硫代)苯基]-2-(4-嗎啉基)-1-丙酮 2-methyl-1-(4-methylthiophenyl)-2-morpholino propan-1-one | 71868-10-5 |
| 204 | 二異己基鄰苯二甲酸酯 Diisohexyl phthalate | 71850-09-4 |
| 205 | 全氟丁烷磺酸及其鹽類 Perfluorobutane sulfonic acid (PFBS) and its salts | - |
| 206 | 1-乙烯基咪唑 1-vinylimidazole | 1072-63-5 |
| 207 | 2-甲基咪唑 2-methylimidazole | 693-98-1 |
| 208 | 4-羥基苯甲酸丁酯 Butyl 4-hydroxybenzoate | 94-26-8 |
| 209 | 二丁基雙(2,4-戊二酸根合-O,O') 錫 Dibutylbis(pentane-2,4-dionato-O,O')tin | 22673-19-4 |
| 210 | bis(2-(2-methoxyethoxy) ethyl) ether 雙(2-(2-甲氧基乙氧基)乙基)醚 | 143-24-8 |
| 211 | Dioctyltin 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·錫烷·二辛基· 雙(椰油醯氧基)衍生物·以及任何其他錫烷·二辛基·雙(脂肪醯氧基)衍生物。 其中 C12 為脂肪醯氧基部分的主要碳原子數 | - 91648-39-4 3648-18-8 |
| 212 | 1,4-dioxane (1,4-二氧陸圓) | 123-91-1 |
| 213 | (1)2,2-bis(bromomethyl)propane 1,3-diol (BMP); (1)2,2-雙(溴甲基)-1,3-丙二醇(BMP) (2)2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol(TBNPA); (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-dibromo-1-propanol (2,3-DBPA) (3)2,3-二溴-1-丙醇(2,3-DBPA) | (1)3296-90-0; (2)36483-57-5/ 1522-92-5 (3) 202-480-9 |
| 214 | 2-(4-tertbutylbenzyl)propionaldehyde and its individual stereoisomers: (2R)-3-(4-tert-butylphenyl)-2-methylpropanal; 2-(4-tertbutylbenzyl)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 |
| 215 | 4,4'-(1-methylpropylidene)bisphenol 4,4'-(1-甲基亞丙基)雙酚(雙酚 B) | 77-40-7 |
| 216 | Glutaral 戊二醛 | 111-30-8 |
| 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 from C14 to C17 -)Alkanes, C14-16, chloro -)Alkanes, C14-17, chloro | 1372804-76-6 85535-85-9 - 198840-65-2 |

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| | -di-, tri- and tetrachlorotetradecane -Tetradecane, chloro derivs. 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] | |
| 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(群組) | 1333-73-9 13840-56-7 25747-83-5 14890-53-0 22454-04-2 14312-40-4 |
| 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) | 74499-35-7 27147-75-7 - 27459-10-5 57427-55-1 210555-94-5 |
| 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) (±)-1,7,7-三甲基-3-[(4-甲基苯基)亞甲基]二環[2.2.1]庚烷-2-酮 · 包括各個異構體和/或其組合 (4-MBC) -(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one -(1R,3E,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[2.2.1]heptan-2-one -(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one -(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one -(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one -(1S,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[2.2.1]heptan-2-one -(1R,3Z,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[2.2.1]heptan-2-one | - 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 852541-21-0 |
| 221 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)6,6'雙二叔丁基-2,2'-亞甲基雙對甲酚 (DBMC) | 119-47-1 |
| 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 硫-(三環[5.2.1.0'2,6]癸-3-烯-8(或 9)-基) 氧-(異丙基或異丁基或 2-乙基己基) 氧-(異丙基或異丁基或 2-乙基己基)二硫代磷酸酯 | 255881-94-8 |
| 223 | Tris(2-methoxyethoxy)vinylsilane 三(2-甲氧基乙氧基)乙烯基矽烷 | 1067-53-4 |
| 224 | N-(hydroxymethyl)acrylamideN-(羥甲基)丙烯醯胺 | 924-42-5 |
| 225 | 1,2-雙(2,4,6-三溴苯氧基)乙烷 1,1'-[ethane-1,2-diylbisoxyl]bis[2,4,6-tribromobenzene] | 37853-59-1 |
| 226 | 四溴雙酚 A 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | 79-94-7 |
| 227 | 雙酚 S 4,4'-sulphonyldiphenol | 80-09-1 |
| 228 | 偏硼酸鋇 Barium diboron tetraoxide | 13701-59-2 |
| 229 | 雙(2-乙基己基)四溴鄰苯二甲酸酯 · 覆蓋任何單個異構體和/或其組合 Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof -Bis(2-ethylhexyl) tetrabromophthalate | - 247-426-5 |

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| 230 | 4-羥基苯甲酸 2-甲基丙酯 Isobutyl 4-hydroxybenzoate | 4247-02-3 |
| 231 | 三聚氰胺 Melamine | 108-78-1 |
| 232 | 全氟庚酸及其鹽類 Perfluoroheptanoic acid and its salts -Ammonium perfluoroheptanoate -Potassium perfluoroheptanoate -Perfluoroheptanoic acid -Sodium perfluoroheptanoate | - 6130-43-4 21049-36-5 375-85-9 20109-59-5 |
| 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)嗎啉和 2,2,3,3,5,5,6,6-八氟烷-4-(七氟丙基)嗎啉的反應物料 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 | - |
| 234 | 4,4'-二氯二苯砜 Bis(4-chlorophenyl) sulphone | 80-07-9 |
| 235 | (2,4,6-三甲基苯甲酰基)二苯基氧化膦 Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 75980-60-8 |