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Declaration of RoHS and REACH SVHC Compliance

This declaration is to confirm that MX-MTLPS manufactured by BCM Advanced Research comply with the European RoHS Directive 2011/65 and 2015/863 and the REACH candidate list of substances of Very High Concern (SVHC) Non-Use Hazardous substances. This product has less than the RoHS and REACH SVHC limits stated below for the ten restricted use substances with exemption and the other SVHC are not present above 0.1% by weight in article of product. This Declaration is based on our manufacturing process using solder alloy and vendor supplied analysis, material certifications, declarations, and/ or lab test results of the components mounted on this motherboard/ card/ CPU Cooler/ cable/ accessory.

| RoHS Restricted Substance | Maximum Threshold Limit (PPM) |
|---------------------------------------|-------------------------------|
| Lead (Pb) | 1,000 |
| Mercury (Hg) | 1,000 |
| Cadmium (Cd) | 100 |
| Hexavalent Chromium (Cr6+) | 1,000 |
| Polybrominated Biphenyls (PBB) | 1,000 |
| Polybrominated Diphenyl Ethers (PBDE) | 1,000 |
| Bis (2-ethylhexyl) phthalate (DEHP) | 1,000 |
| Butyl benzyl phthalate (BBP) | 1,000 |
| Dibutyl phthalate (DBP) | 1,000 |
| Diisobutyl phthalate (DIBP) | 1,000 |

RoHS compliant with below exemption:

- * 6(a)-I – Lead as an alloying element in steel for machining purposes containing up to 0.35 % lead by weight and in batch hot dip galvanized steel components containing up to 0.2 % lead by weight.
- * 6(b)-II – Lead as an alloying element in aluminum for machining purposes with a lead content up to 0.4 % by weight.
- * 6(c) – Copper alloy containing up to 4% lead by weight.
- * 7(a) – Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)
- * 7(c)-I – Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic device, or in a glass or ceramic matrix compound.
- * 15(a) – Lead in solders to complete a viable electrical connection between the semiconductor die and carrier within integrated circuit flip chip packages where at least one of the following criteria applies:— a semiconductor technology node of 90 nm or larger;— a single die of 300 mm² or larger in any semiconductor technology node;—stacked die packages with die of 300 mm² or larger, or silicon interposers of 300 mm² or larger.

| No. | REACH Restricted Substance ECHA Source: http://echa.europa.eu/candidate-list-table | EC number | CAS number |
|--|--|------------------------|--------------------------------------|
| 1st (Date of inclusion: 10/28/2008) | | | |
| 1 | Anthracene | 204-371-1 | 120-12-7 |
| 2 | 4,4'-Diaminodiphenylmethane | 202-974-4 | 101-77-9 |
| 3 | Hexabromocyclododecane (HBCDD) | 247-148-4 | 25637-99-4 |
| 4 | Short Chain Chlorinated Paraffins (C10~C13) | 287-476-5 | 85535-84-8 |
| 5 | Cobalt dichloride | 231-589-4 | 7646-79-9 |
| 6 | Diarsenic pentaoxide | 215-116-9 | 1303-28-2 |
| 7 | Diarsenic trioxide | 215-481-4 | 1327-53-3 |
| 8 | Triethyl arsenate | 427-700-2 | 15606-95-8 |
| 9 | Sodium dichromate | — | 7789-12-0 |
| 10 | Lead hydrogen arsenate | 232-064-2 | 7784-40-9 |
| 11 | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) | 201-329-4 | 81-15-2 |
| 12 | Dibutyl Phthalate (DBP) | 201-557-4 | 84-74-2 |
| 13 | Bis(2-ethylhexyl) phthalate (DEHP) | 204-211-0 | 117-81-7 |
| 14 | Benzyl butyl phthalate (BBP) | 201-622-7 | 85-68-7 |
| 15 | Bis(tributyltin) oxide (TBTO) | 200-268-0 | 56-35-9 |
| 2nd (Date of inclusion: 01/13/2010) | | | |
| 16 | Anthracene oil | 292-602-7 | 90640-80-5 |
| 17 | Anthracene oil, anthracene paste, distn. Lights | 295-278-5 | 91995-17-4 |
| 18 | Anthracene oil, anthracene paste, anthracene fraction | 295-275-9 | 91995-15-2 |
| 19 | Anthracene oil, anthracene-low | 292-604-8 | 90640-82-7 |
| 20 | Anthracene oil, anthracene paste | 292-603-2 | 90640-81-6 |
| 21 | Diisobutyl phthalate | 201-553-2 | 84-69-5 |
| 22 | 2,4-Dinitrotoluene | 204-450-0 | 121-14-2 |
| 23 | Coal tar pitch, high temperature | 266-028-2 | 65995-93-2 |
| 24 | Tris(2-chloroethyl)phosphate | 204-118-5 | 115-96-8 |
| 25 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 215-693-7 | 1344-37-2 |
| 26 | Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 235-759-9 | 12656-85-8 |
| 27 | Lead chromate | 231-846-0 | 7758-97-6 |
| 28 | Acrylamide | 201-173-7 | 79-06-1 |
| 3rd (Date of inclusion: 06/18/2010) | | | |
| 29 | Trichloroethylene | 201-167-4 | 79-01-6 |
| 30 | Boric acid | 233-139-2 234-343-4 | 10043-35-3 11113-50-1 |
| 31 | Disodium tetraborate, anhydrous | 215-540-4 | 1330-43-4 12179-04-3 1303-96-4 |
| 32 | Tetraboron disodium heptaoxide, hydrate | 235-541-3 | 12267-73-1 |
| 33 | Sodium chromate | 231-889-5 | 7775-11-3 |
| 34 | Potassium chromate | 232-140-5 | 7789-00-6 |
| 35 | Ammonium dichromate | 232-143-1 | 7789-09-5 |
| 36 | Potassium dichromate | 231-906-6 | 7778-50-9 |
| 4th (Date of inclusion: 12/15/2010) | | | |

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| 37 | Cobalt(II) sulphate | 203-839-2 | 111-15-9 |
| 38 | Cobalt(II) dinitrate | 232-142-6 | 2151068 |
| 39 | Cobalt(II) carbonate | 271-084-6 | 68515-42-4 |
| 40 | Cobalt(II) diacetate | 206-114-9 | 7803-57-8 302-01-2 |
| 41 | 2-Methoxyethanol | 212-828-1 | 872-50-4 |
| 42 | 2-Ethoxyethanol | 202-486-1 | 96-18-4 |
| 43 | Chromium trioxide | 276-158-1 | 71888-89-6 |
| 44 | Chromic acid | 231-801-5 | 7738-94-5 |
| | Dichromic acid | 236-881-5 | 13530-68-2 |
| | Oligomers of chromic acid and dichromic acid | — | — |
| | 5th (Date of inclusion: 06/20/2011) | | |
| 45 | 2-ethoxyethyl acetate | 203-839-2 | 111-15-9 |
| 46 | Strontium Chromate | 232-142-6 | 2151068 |
| 47 | 1, 2-benzenedicarboxylic Acid, di-C7-11-branched and Linear Alkyl Esters | 271-084-6 | 68515-42-4 |
| 48 | Hydrazine | 206-114-9 | 7803-57-8 302-01-2 |
| 49 | 1-methyl-2-pyrrolidone | 212-828-1 | 872-50-4 |
| 50 | 1,2,3-trichloropropane | 202-486-1 | 96-18-4 |
| 51 | 1,2-benzenedicarboxylic Acid, di-C6-8-branched Alkyl Esters, C7-rich | 276-158-1 | 71888-89-6 |
| 6th (Date of inclusion: 12/19/2010) | | | |
| 52 | Dichromium tris(chromate) | 246-356-2 | 24613-89-6 |
| 53 | Potassium hydroxyoctaoxidizincatedi-chromate | 234-329-8 | 11103-86-9 |
| 54 | Pentazinc chromate octahydroxide | 256-418-0 | 49663-84-5 |
| 55 | Aluminosilicate Refractory Ceramic Fibres (RCF) | 650-017-00-8* | — |
| 56 | Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) | 650-017-00-8* | — |
| 57 | Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 500-036-1 | 25214-70-4 |
| 58 | Bis(2-methoxyethyl) phthalate | 204-212-6 | 117-82-8 |
| 59 | 2-Methoxyaniline; o-Anisidine | 201-963-1 | 90-04-0 |
| 60 | 4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol) | 205-426-2 | 140-66-9 |
| 61 | 1,2-Dichloroethane | 203-458-1 | 107-06-2 |
| 62 | Bis(2-methoxyethyl) ether | 203-924-4 | 111-96-6 |
| 63 | Arsenic acid | 231-901-9 | 7778-39-4 |
| 64 | Calcium arsenate | 231-904-5 | 7778-44-1 |
| 65 | Trilead diarsenate | 222-979-5 | 3687-31-8 |
| 66 | N,N-dimethylacetamide (DMAC) | 204-826-4 | 127-19-5 |
| 67 | 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | 202-918-9 | 101-14-4 |
| 68 | Phenolphthalein | 201-004-7 | 1977/9/8 |
| 69 | Lead azide Lead diazide | 236-542-1 | 13424-46-9 |
| 70 | Lead styphnate | 239-290-0 | 15245-44-0 |

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| 71 | Lead dipicrate | 229-335-2 | 6477-64-1 |
| 7th (Date of inclusion: 06/18/2012) | | | |
| 72 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 203-977-3 | 112-49-2 |
| 73 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 203-794-9 | 110-71-4 |
| 74 | Diboron trioxide | 215-125-8 | 1303-86-2 |
| 75 | Formamide | 200-842-0 | 75-12-7 |
| 76 | Lead(II) bis(methanesulfonate) | 401-750-5 | 17570-76-2 |
| 77 | TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) | 219-514-3 | 2451-62-9 |
| 78 | β -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) | 423-400-0 | 59653-74-6 |
| 79 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 202-027-5 | 90-94-8 |
| 80 | N,N,N',N'-tetramethyl-4,4'-methylenedia niline (Michler's base) | 202-959-2 | 101-61-1 |
| 81 | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-yl idene]dimethylammonium chloride (C.I. Basic Violet 3) | 208-953-6 | 548-62-9 |
| 82 | [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 |
| 83 | α,α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) | 229-851-8 | 6786-83-0 |
| 84 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol | 209-218-2 | 561-41-1 |
| 8th (Date of inclusion: 12/19/2012) | | | |
| 85 | Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) | 214-604-9 | 1163-19-5 |
| 86 | Pentacosafuorotridecanoic acid | 276-745-2 | 72629-94-8 |
| 87 | Tricosafuorododecanoic acid | 206-203-2 | 307-55-1 |
| 88 | Henicosafuoroundecanoic acid | 218-165-4 | 2058-94-8 |
| 89 | Heptacosafuorotetradecanoic acid | 206-803-4 | 376-06-7 |
| 90 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 204-650-8 | 123-77-3 |
| 91 | Cyclohexane-1,2-dicarboxylic anhydride [1] | 201-604-9 | 85-42-7 |
| | cis-cyclohexane-1,2-dicarboxylic anhydride [2] | 236-086-3 | 13149-00-3 |
| | trans-cyclohexane-1,2-dicarboxylic anhydride [3] | 238-009-9 | 14166-21-3 |
| 92 | Hexahydromethylphthalic anhydride [1] | 247-094-1 | 25550-51-0 |
| | Hexahydro-4-methylphthalic anhydride [2] | 243-072-0 | 19438-60-9 |
| | Hexahydro-1-methylphthalic anhydride [3] | 256-356-4 | 48122-14-1 |
| | Hexahydro-3-methylphthalic anhydride [4] | 260-566-1 | 57110-29-9 |

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| 93 | 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] | — | — |
| 94 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] | — | — |
| 95 | Methoxyacetic acid | 210-894-6 | 625-45-6 |
| 96 | N,N-dimethylformamide | 200-679-5 | 25174 |
| 97 | Dibutyltin dichloride (DBTC) | 211-670-0 | 683-18-1 |
| 98 | Lead monoxide (Lead oxide) | 215-267-0 | 1317-36-8 |
| 99 | Orange lead (Lead tetroxide) | 215-235-6 | 1314-41-6 |
| 100 | Lead bis(tetrafluoroborate) | 237-486-0 | 13814-96-5 |
| 101 | Trilead bis(carbonate)dihydroxide | 215-290-6 | 1319-46-6 |
| 102 | Lead titanium trioxide | 235-038-9 | 12060-00-3 |
| 103 | Lead titanium zirconium oxide | 235-727-4 | 12626-81-2 |
| 104 | Silicic acid, lead salt | 234-363-3 | 11120-22-2 |
| 105 | Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped | 272-271-5 | 68784-75-8 |
| 106 | 1-bromopropane (n-propyl bromide) | 203-445-0 | 106-94-5 |
| 107 | Methyloxirane (Propylene oxide) | 200-879-2 | 75-56-9 |
| 108 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 284-032-2 | 84777-06-0 |
| 109 | Diisopentylphthalate (DIPP) | 210-088-4 | 605-50-5 |
| 110 | N-pentyl-isopentylphthalate | — | 776297-69-9 |
| 111 | 1,2-diethoxyethane | 211-076-1 | 629-14-1 |
| 112 | Acetic acid, lead salt, basic | 257-175-3 | 51404-69-4 |
| 113 | Lead oxide sulfate | 234-853-7 | 12036-76-9 |
| 114 | [Phthalato(2-)]dioxotrilead | 273-688-5 | 69011-06-9 |
| 115 | Dioxobis(stearato)trilead | 235-702-8 | 12578-12-0 |
| 116 | Fatty acids, C16-18, lead salts | 292-966-7 | 91031-62-8 |
| 117 | Lead cyanamate | 244-073-9 | 20837-86-9 |
| 118 | Lead dinitrate | 233-245-9 | 10099-74-8 |
| 119 | Pentalead tetraoxide sulphate | 235-067-7 | 12065-90-6 |
| 120 | Pyrochlore, antimony lead yellow | 232-382-1 | 8012-00-8 |
| 121 | Sulfurous acid, lead salt, dibasic | 263-467-1 | 62229-08-7 |
| 122 | Tetraethyllead | 201-075-4 | 78-00-2 |
| 123 | Tetralead trioxide sulphate | 235-380-9 | 12202-17-4 |
| 124 | Trilead dioxide phosphonate | 235-252-2 | 12141-20-7 |
| 125 | Furan | 203-727-3 | 110-00-9 |
| 126 | Diethyl sulphate | 200-589-6 | 64-67-5 |
| 127 | Dimethyl sulphate | 201-058-1 | 77-78-1 |
| 128 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 421-150-7 | 143860-04-2 |
| 129 | Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 201-861-7 | 88-85-7 |
| 130 | 4,4'-methylenedi-o-toluidine | 212-658-8 | 838-88-0 |
| 131 | 4,4'-oxydianiline and its salts | 202-977-0 | 101-80-4 |

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| 132 | 4-aminoazobenzene | 200-453-6 | 22162 |
| 133 | 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 202-453-1 | 95-80-7 |
| 134 | 6-methoxy-m-toluidine (p-cresidine) | 204-419-1 | 120-71-8 |
| 135 | Biphenyl-4-ylamine | 202-177-1 | 92-67-1 |
| 136 | o-aminoazotoluene [(4-o-tolylazo-o-toluidine)] | 202-591-2 | 97-56-3 |
| 137 | o-toluidine | 202-429-0 | 95-53-4 |
| 138 | N-methylacetamide | 201-182-6 | 79-16-3 |
| 9th (Date of inclusion: 06/20/2013) | | | |
| 139 | Cadmium | 231-152-8 | 7440-43-9 |
| 140 | Cadmium oxide | 215-146-2 | 1306-19-0 |
| 141 | Ammoniumpentadecafluorootanoate (APFO) | 223-320-4 | 3825-26-1 |
| 142 | Pentadecafluorooctanoic acid (PFOA) | 206-397-9 | 335-67-1 |
| 143 | Dipentyl phthalate (DPP) | 205-017-9 | 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] | --- | — |
| 10th (Date of inclusion: 12/16/2013) | | | |
| 145 | Cadmium sulphide | 215-147-8 | 1306-23-6 |
| 146 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphon ate) (C.I. Direct Red 28) | 209-358-4 | 573-58-0 |
| 147 | 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 |
| 148 | Dihexyl phthalate | 201-559-5 | 84-75-3 |
| 149 | Imidazolidine-2-thione ; 2-imidazoline-2-thiol | 202-506-9 | 96-45-7 |
| 150 | Lead di(acetate) | 206-104-4 | 301-04-2 |
| 151 | Trixylyl phosphate | 246-677-8 | 25155-23-1 |
| 11th (Date of inclusion: 06/16/2014) | | | |
| 152 | Cadmium chloride | 233-296-7 | 10108-64-2 |
| 153 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 271-093-5 | 68515-50-4 |
| 154 | Sodium peroxometaborate | 231-556-4 | 7632-04-4 |
| 155 | Sodium perborate; perboric acid, sodium salt | 239-172-9 234-390-0 | — |
| 12th (Date of inclusion: 12/17/2014) | | | |
| 156 | Cadmium fluoride | 232-222-0 | 7790-79-6 |
| 157 | Cadmium sulphate | 233-331-6 | 10124-36-4 31119-53-6 |
| 158 | 2-benzotriazol-2-yl-4,6-di-tert-butylpheno I (UV-320) | 223-346-6 | 3846-71-7 |

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| 159 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 247-384-8 | 25973-55-1 |
| 160 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 239-622-4 | 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) | — | — |
| 13th (Date of inclusion: 06/15/2015) | | | |
| 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) | 271-094-0 272-013-1 | 68515-51-5 68648-93-1 |
| 163 | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], -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] | — | — |
| 14th (Date of inclusion: 12/17/2015) | | | |
| 164 | 1,3-propanesultone | 214-317-9 | 1120-71-4 |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 223-383-8 | 3864-99-1 |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 253-037-1 | 36437-37-3 |
| 167 | Nitrobenzene | 202-716-0 | 98-95-3 |
| 168 | Perfluorononan-1-oic-acid and its sodium and ammonium salts | 206-801-3 | 375-95-1 21049-39-8 4149-60-4 |

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| 15th (Date of inclusion: 06/20/2016) | | | |
| 169 | Benzo[def]chrysene (Benzo[a]pyrene) | 200-028-5 | 50-32-8 |
| 16th (Date of inclusion: 01/12/2017) | | | |
| 170 | p-(1,1-dimethylpropyl)phenol | 201-280-9 | 80-46-6 |
| 171 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 206-400-3 221-470-5 | 335-76-2 3830-45-3 3108-42-7 |
| 172 | 4-heptylphenol, branched and linear | — | — |
| 173 | 4,4'-isopropylidenediphenol | 201-245-8 | 80-05-7 |
| 17th (Date of inclusion: 07/07/2017) | | | |
| 174 | Perfluorohexane-1-sulphonic acid and its salts | — | — |

| 18th (Date of inclusion: 01/15/2018) | | | |
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| 175 | 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"™) | — | — |
| 176 | Benz[a]anthracene | 200-280-6 | 56-55-3 1718-53-2 |
| 177 | Cadmium carbonate | 208-168-9 | 513-78-0 |
| 178 | Cadmium hydroxide | 244-168-5 | 21041-95-2 |
| 179 | Cadmium nitrate | 233-710-6 | 10325-94-7 10022-68-1 |
| 180 | Chrysene | 205-923-4 | 218-01-9 1719-03-5 |
| 181 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) | — | — |
| 19th (Date of inclusion: 06/27/2018) | | | |
| 182 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride | 209-008-0 | 552-30-7 |
| 183 | Benzo[ghi]perylene | 205-883-8 | 191-24-2 |
| 184 | Decamethylcyclopentasiloxane | 208-764-9 | 541-02-6 |
| 185 | Dicyclohexyl phthalate | 201-545-9 | 84-61-7 |
| 186 | Disodium octaborate | 234-541-0 | 12008-41-2 |
| 187 | Dodecamethylcyclohexasiloxane | 208-762-8 | 540-97-6 |
| 188 | Ethylenediamine | 203-468-6 | 107-15-3 |
| 189 | Lead | 231-100-4 | 7439-92-1 |
| 190 | Octamethylcyclotetrasiloxane | 209-136-7 | 556-67-2 |
| 191 | Terphenyl, hydrogenated | 262-967-7 | 61788-32-7 |
| 20th (Date of inclusion: 01/15/2019) | | | |
| 192 | Pyrene | 204-927-3 | 129-00-0 |
| 193 | Phenanthrene | 201-581-5 | 85-01-8 |
| 194 | Fluoranthene | 205-912-4 | 206-44-0 |
| 195 | Benzo[k]fluoranthene | 205-916-6 | 207-08-9 |
| 196 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane (Bisphenol P) | 401-720-1 | 6807-17-6 |
| 197 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor; 3-BC) | 239-139-9 | 15087-24-8 |
| 21st (Date of inclusion: 07/16/2019) | | | |
| 198 | 2-methoxyethyl acetate | 203-772-9 | 110-49-6 |
| 199 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | — | — |
| 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) | — | — |
| 201 | 4-tert-butylphenol | 202-679-0 | 98-54-4 |
| 22nd (Date of inclusion: 01/16/2020) | | | |
| 202 | Perfluorobutane sulfonic acid (PFBS) and its salts | — | — |
| 203 | Diisohexyl phthalate | 276-090-2 | 71850-09-4 |

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| 204 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 400-600-6 | 71868-10-5 |
| 205 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 404-360-3 | 119313-12-1 |
| 23th (Date of inclusion: 06/25/2020) | | | |
| 206 | 1-vinylimidazole | 214-012-0 | 1072-63-5 |
| 207 | 2-methylimidazole | 211-765-7 | 693-98-1 |
| 208 | Butyl 4-hydroxybenzoate | 202-318-7 | 94-26-8 |
| 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin | 245-152-0 | 22673-19-4 |
| 24th (Date of inclusion: 01/19/2021) | | | |
| 210 | Bis(2-(2-methoxyethoxy)ethyl)ether | 205-594-7 | 143-24-8 |
| 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 | — 293-901-5 222-83-3 | — 91648-39-4 3648-18-8 |
| 25th (Date of inclusion: 07/08/2021) | | | |
| 212 | 1,4-dioxane | 204-661-8 | 123-91-1 |
| 213 | 2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA) | 799-968-1 | — |
| 214 | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers | 799-970-2 | — |
| 215 | 4,4'-(1-methylpropylidene)bisphenol | 201-025-1 | 77-40-7 |
| 216 | glutaral | 203-856-5 | 111-30-8 |
| 217 | Medium-chain chlorinated paraffins (MCCP) | 799-971-8 | — |
| 218 | Orthoboric acid, sodium salt | 799-969-7 | — |
| 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) | 799-972-3 | — |
| 26th (Date of inclusion: 01/17/2022) | | | |
| 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) (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 | — — — 253-242-6 — — | 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 |

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| | (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 | — | 852541-21-0 |
| 221 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol | 204-327-1 | 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 | 401-850-9 | 255881-94-8 |
| 223 | tris(2-methoxyethoxy)vinylsilane | 213-934-0 | 1067-53-4 |
| 27th (Date of inclusion: 06/10/2022) | | | |
| 224 | N-(hydroxymethyl)acrylamide | 213-103-2 | 924-42-5 |
| 28th (Date of inclusion: 01/17/2023) | | | |
| 225 | 1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] | 253-692-3 | 37853-59-1 |
| 226 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | 201-236-9 | 79-94-7 |
| 227 | 4,4'-sulphonyldiphenol | 201-250-5 | 80-09-1 |
| 228 | Barium diboron tetraoxide | 237-222-4 | 13701-59-2 |
| 229 | bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof Bis(2-ethylhexyl) tetrabromophthalate | 247-426-5 | 26040-51-7 |
| 230 | Isobutyl 4-hydroxybenzoate | 224-208-8 | 4247-02-3 |
| 231 | Melamine | 203-615-4 | 108-78-1 |
| 232 | Perfluoroheptanoic acid and its salts Ammonium perfluoroheptanoate potassium perfluoroheptanoate Perfluoroheptanoic acid Sodium perfluoroheptanoate | 228-098-2 — 206-798-9 243-518-4 | 6130-43-4 21049-36-5 375-85-9 20109-59-5 |
| 233 | 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 | — |
| 29th (Date of inclusion: 06/14/2023) | | | |
| 234 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 278-355-8 | 75980-60-8 |
| 235 | bis(4-chlorophenyl) sulphone | 201-247-9 | 80-07-9 |
| 30th (Date of inclusion: 01/23/2024) | | | |
| 236 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol Phenol, methylstyrenated | 700-960-7 270-966-8 | 68512-30-1 |
| 237 | Bumetizole (UV-326) | 223-445-4 | 3896-11-5 |
| 238 | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 438-340-0 | 119344-86-4 |
| 239 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) | 221-573-5 | 3147-75-9 |
| 240 | 2,4,6-tri-tert-butylphenol | 211-989-5 | 732-26-3 |
| 31st (Date of inclusion: 06/27/2024) | | | |
| 241 | Bis(α,α-dimethylbenzyl) peroxide | 201-279-3 | 80-43-3 |
| 32nd (Date of inclusion: 11/07/2024) | | | |

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| 242 | Triphenyl phosphate | 204-112-2 | 115-86-6 |
| 33rd (Date of inclusion: 01/21/2025) | | | |
| 243 | 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid | 701-118-1 | 2156592-54-8 |
| 244 | O,O,O-triphenyl phosphorothioate | 209-909-9 | 597-82-0 |
| 245 | Octamethyltrisiloxane | 203-497-4 | 107-51-7 |
| 246 | Perfluamine | 206-420-2 | 338-83-0 |
| 247 | reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives | 421-820-9 | 192268-65-8 |

Effective Date: September 18, 2025

Alex Huang

 Alex Huang
Quality Engineer