

## Certificate of Non-Use of Hazardous Substances

MaxLinear, Inc. certifies that as of the date of this Certificate of Non-Use of Hazardous Substances, the MaxLinear product listed below is certified as follows:

| Environmental Category & Description |                                                                                                                                                                                                                                   | Details for:<br><b>SP337EBEY-L</b> |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>RoHS   Exempt</b>                 | If "7a", "7(c)", or "15a", then product contains lead but is compliant meeting the requirements of Directive (EU) 2011/65 pursuant to either exemption 7a, 7(c), or 15a. See Appendix A.                                          | N                                  |
| <b>RoHS</b>                          | If "Y", then product is RoHS compliant meeting the requirements of Directive (EU) 2015/863 with no exemptions taken. See Appendix B.                                                                                              | Y                                  |
| <b>Halogen Free</b>                  | If "Y", then product is halogen and lead (Pb) free. Green products meet RoHS requirements plus additional hazardous material restrictions. See Appendix C.                                                                        | Y                                  |
| <b>REACH</b>                         | If "Y", then product does not use any Substances of Very High Concern (SVHC) under REACH requirements. See Appendix D for a list of these substances.<br>If "N", please see Appendix E for SVHC that is contained in this product | Y                                  |
| <b>TSCA</b>                          | If "Y", then product is compliant and does not use any of the Toxic Substance Control Act (TSCA) restricted substances. See Appendix F for a list of these substances.                                                            | Y                                  |

MaxLinear, Inc.  
Quality and Reliability  
Jan 23, 2026

## Appendix A | RoHS with Exemption

| Exemption | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7a        | Lead in high melting temperature type solders                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 7(c)I     | Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.                                                                                                                                                                                                                                                                                                                                         |
| 15a       | 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: <ul style="list-style-type: none"> <li>a semiconductor technology node of 90 nm or larger</li> <li>a single die of 300 mm<sup>2</sup> or larger in any semiconductor technology node;</li> <li>stacked die packages with die of 300 mm<sup>2</sup> or larger, or silicon interposers of 300 mm<sup>2</sup> or larger</li> </ul> |

## Appendix B | RoHS Directive (EU) 2015/863

| Restricted Substance                  | Allowable Limit<br>(at homogenous material level) |
|---------------------------------------|---------------------------------------------------|
| Cadmium (Cd)                          | 100 ppm (0.01 weight %)                           |
| Mercury (Hg)                          | 1000 ppm (0.10 weight %)                          |
| Lead (Pb)                             | 1000 ppm (0.10 weight %)                          |
| Hexavalent Chromium (Cr6+)            | 1000 ppm (0.10 weight %)                          |
| Polybrominated biphenyls (PBB)        | 1000 ppm (0.10 weight %)                          |
| Polybrominated diphenyl ethers (PBDE) | 1000 ppm (0.10 weight %)                          |
| Bis (2-Ethylhexyl) phthalate (DEHP)   | 1000 ppm (0.10 weight %)                          |
| Benzyl butyl phthalate (BBP)          | 1000 ppm (0.10 weight %)                          |
| Dibutyl phthalate (DBP)               | 1000 ppm (0.10 weight %)                          |
| Diisobutyl phthalate (DIBP)           | 1000 ppm (0.10 weight %)                          |

## Appendix C | Halogen Free

| Restricted Substance                            | Allowable Limit |                |
|-------------------------------------------------|-----------------|----------------|
| Bromine (Br)                                    | 900 ppm         | 1500 ppm Total |
| Chlorine (Cl)                                   | 900 ppm         |                |
| Antimony (Sb (Sb <sub>2</sub> O <sub>3</sub> )) | 900 ppm         |                |

## Appendix D | REACH 250 - Regulation (EC) No 1907/2006 (Threshold Limit 1000ppm (0.1% w/w))

|     | Date of Inclusion: June 25, 2025                                                                                                                                                      |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 250 | 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyloxy)trisiloxane                                                                                                                           |
| 249 | Decamethyltetrasiloxane                                                                                                                                                               |
| 248 | Tetra(sodium/potassium) 7-[(E)-2-acetamido-4-[(E)-4-[[4-chloro-6-[[2-[[4-fluoro-6-[[4-(vinylsulfonyl)phenyl]amino]-1,3,5-triazine-2-yl)amino]propyl]amino]-1,3,5-triazine-2-yl]amino] |
|     | Date of Inclusion: January 21, 2025                                                                                                                                                   |
| 247 | reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives                                                                                                    |
| 246 | Perfluamine                                                                                                                                                                           |
| 245 | Octamethyltrisiloxane                                                                                                                                                                 |
| 244 | O,O,O-triphenyl phosphorothioate                                                                                                                                                      |
| 243 | 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxypyrrolidin-1-yl]hexanoic acid                                                                                                     |
|     | Date of Inclusion: November 7, 2024                                                                                                                                                   |
| 242 | Triphenyl phosphate                                                                                                                                                                   |
|     | Date of Inclusion: June 27, 2024                                                                                                                                                      |
| 241 | Bis(a,a-dimethylbenzyl) peroxide                                                                                                                                                      |
|     | Date of Inclusion: January 23, 2024                                                                                                                                                   |
| 240 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol                                                                                                        |
| 239 | Bumetizole (UV-326)                                                                                                                                                                   |
| 238 | 2-(dimethylamino)-2-[[4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one                                                                                                  |
| 237 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol                                                                                                                           |
| 236 | 2,4,6-tri-tert-butylphenol                                                                                                                                                            |
|     | Date of Inclusion: June 14, 2023                                                                                                                                                      |
| 235 | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide                                                                                                                                       |
| 234 | bis(4-chlorophenyl) sulphone                                                                                                                                                          |
|     | Date of Inclusion: January 17, 2023                                                                                                                                                   |
| 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                         |

|                                     |                                                                                                                                                                                             |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 232                                 | Perfluoroheptanoic acid and its salts<br>Ammonium perfluoroheptanoate<br>potassium perfluoroheptanoate<br>Perfluoroheptanoic acid<br>Sodium perfluoroheptanoate                             |
| 231                                 | Melamine                                                                                                                                                                                    |
| 230                                 | Isobutyl 4-hydroxybenzoate                                                                                                                                                                  |
| 229                                 | bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof                                                                                    |
| 228                                 | Barium diboron tetraoxide                                                                                                                                                                   |
| 227                                 | 4,4'-sulphonyldiphenol                                                                                                                                                                      |
| 226                                 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol                                                                                                                                            |
| 225                                 | 1,1'-(ethane-1,2-diylbisoxyl)bis[2,4,6-tribromobenzene]                                                                                                                                     |
| Date of Inclusion: June 10, 2022    |                                                                                                                                                                                             |
| 224                                 | N-(hydroxymethyl)acrylamide                                                                                                                                                                 |
| Date of Inclusion: January 17, 2022 |                                                                                                                                                                                             |
| 223                                 | S-(tricyclo[5.2.1.02,6]deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate                                          |
| 222                                 | (+)-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)                                      |
| 221                                 | tris(2-methoxyethoxy)vinylsilane                                                                                                                                                            |
| 220                                 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol                                                                                                                                                |
| Date of Inclusion: July 08, 2021    |                                                                                                                                                                                             |
| 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)         |
| 218                                 | Orthoboric acid, sodium salt                                                                                                                                                                |
| 217                                 | Medium-chain chlorinated paraffins (MCCP) Medium-chain chlorinated paraffins (MCCP) (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon               |
| 216                                 | Glutaral                                                                                                                                                                                    |
| 215                                 | 4,4'-(1-methylpropylidene)bisphenol                                                                                                                                                         |
| 214                                 | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers                                                                                                                      |
| 213                                 | 2,2-bis(bromomethyl)propane1,3-diol (BMP);<br>2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA);<br>2,3-dibromo-1-propanol (2,3-DBPA)            |
| 212                                 | 1,4-dioxane                                                                                                                                                                                 |
| Date of Inclusion: January 19, 2021 |                                                                                                                                                                                             |
| 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 fat |
| 210                                 | Bis(2-(2-methoxyethoxy)ethyl)ether                                                                                                                                                          |
| Date of Inclusion: June 25, 2020    |                                                                                                                                                                                             |
| 209                                 | Dibutylbis(pentane-2,4-dionato-O,O')tin                                                                                                                                                     |
| 208                                 | Butyl 4-hydroxybenzoate                                                                                                                                                                     |
| 207                                 | 2-methylimidazole                                                                                                                                                                           |
| 206                                 | 1-vinylimidazole                                                                                                                                                                            |
| Date of Inclusion: January 16, 2020 |                                                                                                                                                                                             |
| 205                                 | Perfluorobutane sulfonic acid (PFBS) and its salts                                                                                                                                          |
| 204                                 | Diisohexyl phthalate                                                                                                                                                                        |
| 203                                 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one                                                                                                                                    |
| 202                                 | 2-benzyl-2-dimethylamino-4'-morpholinobutylphenone                                                                                                                                          |
| Date of Inclusion: July 16, 2019    |                                                                                                                                                                                             |
| 201                                 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides                                                                                                    |
| 200                                 | 2-methoxyethyl acetate                                                                                                                                                                      |
| 199                                 | 4-tert-butylphenol                                                                                                                                                                          |
| 198                                 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)                                                                                                                                   |
| Date of Inclusion: January 15, 2019 |                                                                                                                                                                                             |
| 197                                 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one                                                                                                                               |
| 196                                 | Pyrene                                                                                                                                                                                      |
| 195                                 | Phenanthrene                                                                                                                                                                                |
| 194                                 | Fluoranthene                                                                                                                                                                                |
| 193                                 | Benzo[k]fluoranthene                                                                                                                                                                        |
| 192                                 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane                                                                                                                                                   |
| Date of Inclusion: Jun 27, 2018     |                                                                                                                                                                                             |
| 191                                 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride                                                                                                                                              |
| 190                                 | Benzo[ghi]perylene                                                                                                                                                                          |
| 189                                 | Decamethylcyclopentasiloxane                                                                                                                                                                |
| 188                                 | Dicyclohexyl phthalate                                                                                                                                                                      |
| 187                                 | Disodium octaborate                                                                                                                                                                         |
| 186                                 | Dodecamethylcyclohexasiloxane                                                                                                                                                               |
| 185                                 | Ethylenediamine                                                                                                                                                                             |
| 184                                 | Lead NOTE: Does not exceed threshold levels specified in RoHS Directive (EU) 2015/863                                                                                                       |
| 183                                 | Octamethylcyclotetrasiloxane                                                                                                                                                                |
| 182                                 | Terphenyl, hydrogenated                                                                                                                                                                     |
| Date of Inclusion: Jan 15, 2018     |                                                                                                                                                                                             |
| 181                                 | Benz[a]anthracene                                                                                                                                                                           |

|                                 |                                                                                                                                                                                                                             |
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| 180                             | Cadmium carbonate                                                                                                                                                                                                           |
| 179                             | Cadmium hydroxide                                                                                                                                                                                                           |
| 178                             | Cadmium nitrate                                                                                                                                                                                                             |
| 177                             | Chrysene                                                                                                                                                                                                                    |
| 176                             | Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus™")                                                                                                                                     |
| 175                             | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)                                                                                                       |
| Date of Inclusion: Jul 07, 2017 |                                                                                                                                                                                                                             |
| 174                             | Perfluorohexane-1-sulphonic acid and its salts (PFHxS)                                                                                                                                                                      |
| Date of Inclusion: Dec 19, 2016 |                                                                                                                                                                                                                             |
| 173                             | p-(1,1-dimethylpropyl)phenol                                                                                                                                                                                                |
| 172                             | 4-heptylphenol, branched and linear                                                                                                                                                                                         |
| 171                             | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts                                                                                                                                                        |
| 170                             | 4,4'-isopropylidenediphenol (bisphenol A)                                                                                                                                                                                   |
| Date of Inclusion: Jun 20, 2016 |                                                                                                                                                                                                                             |
| 169                             | Benzo[def]chrysene(Benzo[a]pyrene)                                                                                                                                                                                          |
| Date of Inclusion: Dec 17, 2015 |                                                                                                                                                                                                                             |
| 168                             | 1,3-propanesultone                                                                                                                                                                                                          |
| 167                             | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)                                                                                                                                                              |
| 166                             | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)                                                                                                                                                        |
| 165                             | Nitrobenzene                                                                                                                                                                                                                |
| 164                             | Perfluorononan-1-oic-acid and its sodium and ammonium salts                                                                                                                                                                 |
| Date of Inclusion: Jun 15, 2015 |                                                                                                                                                                                                                             |
| 163                             | 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)                                             |
| 162                             | 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]                             |
| Date of Inclusion: Dec 17, 2014 |                                                                                                                                                                                                                             |
| 161                             | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)                                                                                                                                                                    |
| 160                             | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)                                                                                                                                                                        |
| 159                             | 2-ethylhexyl 10-ethyl-4,4-diethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)                                                                                                                                      |
| 158                             | Cadmium fluoride                                                                                                                                                                                                            |
| 157                             | reaction mass of 2-ethylhexyl 10-ethyl-4,4-diethyl-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 |
| 156                             | Cadmium sulphate                                                                                                                                                                                                            |
| Date of Inclusion: Jun 16, 2014 |                                                                                                                                                                                                                             |
| 155                             | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear                                                                                                                                                            |
| 154                             | Sodium perborate, perboric acid, sodium salt                                                                                                                                                                                |
| 153                             | Sodium peroxometaborate                                                                                                                                                                                                     |
| 152                             | Cadmium chloride                                                                                                                                                                                                            |
| Date of Inclusion: Dec 16, 2013 |                                                                                                                                                                                                                             |
| 151                             | Cadmium sulphide                                                                                                                                                                                                            |
| 150                             | 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)                                                                       |
| 149                             | Dihexyl phthalate                                                                                                                                                                                                           |
| 148                             | Imidazolidine-2-thione; (2-imidazoline-2-thiol)                                                                                                                                                                             |
| 147                             | Trixylyl phosphate                                                                                                                                                                                                          |
| 146                             | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)                                                                                                                  |
| 145                             | Lead di(acetate)                                                                                                                                                                                                            |
| Date of Inclusion: Jun 20, 2013 |                                                                                                                                                                                                                             |
| 144                             | Cadmium                                                                                                                                                                                                                     |
| 143                             | Ammonium pentadecafluorooctanoate (APFO)                                                                                                                                                                                    |
| 142                             | Pentadecafluorooctanoic acid (PFOA)                                                                                                                                                                                         |
| 141                             | Dipentyl phthalate (DPP)                                                                                                                                                                                                    |
| 140                             | 4-Nonylphenol, branched and linear, ethoxylated                                                                                                                                                                             |
| 139                             | Cadmium oxide                                                                                                                                                                                                               |
| Date of Inclusion: Dec 19, 2012 |                                                                                                                                                                                                                             |

|     |                                                                                                                                                                                                      |
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| 138 | Trilead dioxide phosphonate                                                                                                                                                                          |
| 137 | Trilead bis(carbonate)dihydroxide                                                                                                                                                                    |
| 136 | Tricosafuorodecanoic acid                                                                                                                                                                            |
| 135 | Tetralead trioxide sulphate                                                                                                                                                                          |
| 134 | Tetraethyllead                                                                                                                                                                                       |
| 133 | Sulfurous acid, lead salt, dibasic                                                                                                                                                                   |
| 132 | Silicic acid, lead salt                                                                                                                                                                              |
| 131 | Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped                                                                                                         |
| 130 | Pyrochlore, antimony lead yellow                                                                                                                                                                     |
| 129 | Pentalead tetraoxide sulphate                                                                                                                                                                        |
| 128 | Pentacosafuorotridecanoic acid                                                                                                                                                                       |
| 127 | Orange lead (lead tetroxide)                                                                                                                                                                         |
| 126 | o-Toluidine                                                                                                                                                                                          |
| 125 | o-aminoazotoluene                                                                                                                                                                                    |
| 124 | N-pentyl-isopentylphthalate                                                                                                                                                                          |
| 123 | N-methylacetamide                                                                                                                                                                                    |
| 122 | N,N-dimethylformamide                                                                                                                                                                                |
| 121 | Methyloxirane (Propylene oxide)                                                                                                                                                                      |
| 120 | Methoxyacetic acid                                                                                                                                                                                   |
| 119 | Lead titanium zirconium oxide                                                                                                                                                                        |
| 118 | Lead titanium trioxide                                                                                                                                                                               |
| 117 | Lead oxide sulfate                                                                                                                                                                                   |
| 116 | Lead monoxide (lead oxide)                                                                                                                                                                           |
| 115 | Lead dinitrate                                                                                                                                                                                       |
| 114 | Lead cyanamidate                                                                                                                                                                                     |
| 113 | Lead bis(tetrafluoroborate)                                                                                                                                                                          |
| 112 | Hexahydromethylphthalic anhydride                                                                                                                                                                    |
| 111 | Heptacosafuorotetradecanoic acid                                                                                                                                                                     |
| 110 | Henicosafuoroundecanoic acid                                                                                                                                                                         |
| 109 | Furan                                                                                                                                                                                                |
| 108 | Fatty acids, C16-18, lead salts                                                                                                                                                                      |
| 107 | Dioxobis(stearato)trilead                                                                                                                                                                            |
| 106 | Dinoseb (6-sec-butyl-2,4-dinitrophenol)                                                                                                                                                              |
| 105 | Dimethyl sulphate                                                                                                                                                                                    |
| 104 | Diisopentylphthalate                                                                                                                                                                                 |
| 103 | Diethyl sulphate                                                                                                                                                                                     |
| 102 | Dibutyltin dichloride (DBTC)                                                                                                                                                                         |
| 101 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))                                                                                                                                                    |
| 100 | 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] ison            |
| 99  | Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)                                                                                                                                       |
| 98  | Biphenyl-4-ylamine                                                                                                                                                                                   |
| 97  | Acetic acid, lead salt, basic                                                                                                                                                                        |
| 96  | [Phthalato(2-)]dioxotrilead                                                                                                                                                                          |
| 95  | 6-methoxy-m-toluidine (p-cresidine)                                                                                                                                                                  |
| 94  | 4-Nonylphenol, branched and linear                                                                                                                                                                   |
| 93  | 4-methyl-m-phenylenediamine (toluene-2,4-diamine)                                                                                                                                                    |
| 92  | 4-Aminoazobenzene                                                                                                                                                                                    |
| 91  | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated                                                                                                                                                      |
| 90  | 4,4'-oxydianiline and its salts                                                                                                                                                                      |
| 89  | 4,4'-methylenedi-o-toluidine                                                                                                                                                                         |
| 88  | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine                                                                                                                                                   |
| 87  | 1-bromopropane (n-propyl bromide)                                                                                                                                                                    |
| 86  | 1,2-Diethoxyethane                                                                                                                                                                                   |
| 85  | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear                                                                                                                                     |
|     | <b>Date of Inclusion: Jun 18, 2012</b>                                                                                                                                                               |
| 84  | $\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-95 |
| 83  | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)                                                                                                                                       |
| 82  | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)                                                                                                      |
| 81  | Diboron trioxide                                                                                                                                                                                     |
| 80  | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)                                                                                                                                                    |
| 79  | 4,4'-bis(dimethylamino)-4''-(methylenamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]                                            |

|                                 |                                                                                                                                                                                                                                             |
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| 78                              | Lead(II) bis(methanesulfonate)                                                                                                                                                                                                              |
| 77                              | Formamide                                                                                                                                                                                                                                   |
| 76                              | [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 ketone (EC No. 202-027-5)]                  |
| 75                              | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)                                                                                                                                                                                 |
| 74                              | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's ketone (EC No. 202-027-5)] |
| 73                              | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC)                                                                                                                                                                            |
| 72                              | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)                                                                                                                                                                                      |
| Date of Inclusion: Dec 19, 2011 |                                                                                                                                                                                                                                             |
| 71                              | 4-(1,1,3,3-tetramethylbutyl)phenol                                                                                                                                                                                                          |
| 70                              | N,N-dimethylacetamide                                                                                                                                                                                                                       |
| 69                              | Phenolphthalein                                                                                                                                                                                                                             |
| 68                              | Lead diazide, Lead azide                                                                                                                                                                                                                    |
| 67                              | Lead dipicrate                                                                                                                                                                                                                              |
| 66                              | 1,2-dichloroethane                                                                                                                                                                                                                          |
| 65                              | Calcium arsenate                                                                                                                                                                                                                            |
| 64                              | Dichromium tris(chromate)                                                                                                                                                                                                                   |
| 63                              | 2-Methoxyaniline; o-Anisidine                                                                                                                                                                                                               |
| 62                              | Pentazinc chromate octahydroxide                                                                                                                                                                                                            |
| 61                              | Arsenic acid                                                                                                                                                                                                                                |
| 60                              | Potassium hydroxyoctaoxodizincatedichromate                                                                                                                                                                                                 |
| 59                              | Formaldehyde, oligomeric reaction products with aniline                                                                                                                                                                                     |
| 58                              | Lead styphnate                                                                                                                                                                                                                              |
| 57                              | Trilead diarsenate                                                                                                                                                                                                                          |
| 56                              | Zirconia Aluminosilicate Refractory Ceramic Fibres                                                                                                                                                                                          |
| 55                              | Bis(2-methoxyethyl) phthalate                                                                                                                                                                                                               |
| 54                              | Aluminosilicate Refractory Ceramic Fibres                                                                                                                                                                                                   |
| 53                              | Bis(2-methoxyethyl) ether                                                                                                                                                                                                                   |
| 52                              | 2,2'-dichloro-4,4'-methylenedianiline                                                                                                                                                                                                       |
| 51                              | Cobalt dichloride                                                                                                                                                                                                                           |
| Date of Inclusion: Jun 20, 2011 |                                                                                                                                                                                                                                             |
| 50                              | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich                                                                                                                                                                        |
| 49                              | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters                                                                                                                                                                     |
| 48                              | Strontium chromate                                                                                                                                                                                                                          |
| 47                              | 1-Methyl-2-pyrrolidone                                                                                                                                                                                                                      |
| 46                              | 1,2,3-Trichloropropane                                                                                                                                                                                                                      |
| 45                              | 2-Ethoxyethyl acetate                                                                                                                                                                                                                       |
| 44                              | Hydrazine                                                                                                                                                                                                                                   |
| Date of Inclusion: Dec 15, 2010 |                                                                                                                                                                                                                                             |
| 43                              | Cobalt(II) diacetate                                                                                                                                                                                                                        |
| 42                              | Cobalt(II) sulphate                                                                                                                                                                                                                         |
| 41                              | 2-Ethoxyethanol                                                                                                                                                                                                                             |
| 40                              | Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.                                                             |
| 39                              | 2-Methoxyethanol                                                                                                                                                                                                                            |
| 38                              | Chromium trioxide                                                                                                                                                                                                                           |
| 37                              | Cobalt(II) carbonate                                                                                                                                                                                                                        |
| 36                              | Cobalt(II) dinitrate                                                                                                                                                                                                                        |
| Date of Inclusion: Jun 18, 2010 |                                                                                                                                                                                                                                             |
| 35                              | Trichloroethylene                                                                                                                                                                                                                           |
| 34                              | Potassium dichromate                                                                                                                                                                                                                        |
| 33                              | Tetraboron disodium heptaoxide, hydrate                                                                                                                                                                                                     |
| 32                              | Ammonium dichromate                                                                                                                                                                                                                         |
| 31                              | Boric acid                                                                                                                                                                                                                                  |
| 30                              | Sodium chromate                                                                                                                                                                                                                             |
| 29                              | Disodium tetraborate, anhydrous                                                                                                                                                                                                             |
| 28                              | Potassium chromate                                                                                                                                                                                                                          |
| Date of Inclusion: Mar 30, 2010 |                                                                                                                                                                                                                                             |
| 27                              | Acrylamide                                                                                                                                                                                                                                  |

|    | Date of Inclusion: Jan 13, 2010                                                                                                                                 |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 26 | Lead sulfochromate yellow (C.I. Pigment Yellow 34)                                                                                                              |
| 25 | Lead chromate molybdate sulphate red (C.I. Pigment Red 104)                                                                                                     |
| 24 | Anthracene oil                                                                                                                                                  |
| 23 | 2,4-Dinitrotoluene                                                                                                                                              |
| 22 | Anthracene oil, anthracene paste, anthracene fraction                                                                                                           |
| 21 | Anthracene oil, anthracene-low                                                                                                                                  |
| 20 | Tris(2-chloroethyl)phosphate                                                                                                                                    |
| 19 | Diisobutyl phthalate                                                                                                                                            |
| 18 | Lead chromate                                                                                                                                                   |
| 17 | Anthracene oil, anthracene paste                                                                                                                                |
| 16 | Pitch, coal tar, high temp.                                                                                                                                     |
| 15 | Anthracene oil, anthracene paste, distn. lights                                                                                                                 |
|    | Date of Inclusion: Oct 28, 2008                                                                                                                                 |
| 14 | Lead hydrogen arsenate                                                                                                                                          |
| 13 | Benzyl butyl phthalate (BBP)                                                                                                                                    |
| 12 | Bis (2-ethylhexyl)phthalate (DEHP)                                                                                                                              |
| 11 | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)                                                                                                              |
| 10 | Diarsenic trioxide                                                                                                                                              |
| 9  | Bis(tributyltin)oxide (TBTO)                                                                                                                                    |
| 8  | Triethyl arsenate                                                                                                                                               |
| 7  | Diarsenic pentaoxide                                                                                                                                            |
| 6  | Sodium dichromate                                                                                                                                               |
| 5  | Dibutyl phthalate (DBP)                                                                                                                                         |
| 4  | 4,4'-Diaminodiphenylmethane (MDA)                                                                                                                               |
| 3  | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)                                                                                                     |
| 2  | Anthracene                                                                                                                                                      |
| 1  | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane |

**Appendix E | REACH Substance intentionally added** (See page 1, Environmental Category & Description, if applicable to this product.)

| Restricted Substance                      | Where used         | CAS Number | Threshold Limit |
|-------------------------------------------|--------------------|------------|-----------------|
| 4,4'-Isopropylidenediphenol (Bisphenol A) | Substrate laminate | 80-05-7    | >0.1% w/w       |

**Appendix F | TSCA**

| Restricted Substance                            | CAS Number | Threshold Limit |
|-------------------------------------------------|------------|-----------------|
| 2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)       | 732-26-3   | >0.3% w/w       |
| Hexachlorobutadiene (HCBD)                      | 87-68-3    | >0% w/w         |
| Pentachlorothiophenol (PCTP)                    | 133-49-3   | >1% w/w         |
| Decabromodiphenyl ether (DecaBDE)               | 1163-19-5  | >0% w/w         |
| Phenol, isopropylated phosphate (3:1) (PIP 3:1) | 68937-41-7 | >0% w/w         |