

## 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 does not contain hazardous substances above the threshold limits identified in the following pages.

The information contained in this certificate is provided by MaxLinear in good faith to the best of MaxLinear's knowledge. No banned materials are intentionally added to MaxLinear's products.

| Environmental Category & Description |                                                                                                                                                                        | Details for:<br>XRP6657IHBTR-F |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| <b>RoHS   Exempt</b>                 | If "7a" or "15", then product contains lead but is compliant meeting the requirements of Directive (EU) 2011/65 pursuant to either exemption 7a or 15. 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.                  | Y                              |

MaxLinear, Inc.  
Quality and Reliability  
Oct 31, 2020

### Appendix A | RoHS with Exemption

| Exemption | Description                                                                                                                                   |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 7a        | Lead in high melting temperature type solders                                                                                                 |
| 15        | Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages |

### 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 209 (Threshold Limit 1000ppm (0.1% w/w))**

| Date of Inclusion: June 25, 2020    |                                                                                                                                                                                                                                                              | EC Number              | CAS Number                          |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------|
| 209                                 | Dibutylbis(pentane-2,4-dionato-O,O')tin                                                                                                                                                                                                                      | 245-152-0              | 22673-19-4                          |
| 208                                 | Butyl 4-hydroxybenzoate                                                                                                                                                                                                                                      | 202-318-7              | 94-26-8                             |
| 207                                 | 2-methylimidazole                                                                                                                                                                                                                                            | 211-765-7              | 693-98-1                            |
| 206                                 | 1-vinylimidazole                                                                                                                                                                                                                                             | 214-012-0              | 1072-63-5                           |
| Date of Inclusion: January 16, 2020 |                                                                                                                                                                                                                                                              | EC Number              | CAS Number                          |
| 205                                 | Perfluorobutane sulfonic acid (PFBS) and its salts                                                                                                                                                                                                           | -                      | -                                   |
| 204                                 | Diisohexyl phthalate                                                                                                                                                                                                                                         | 276-090-2              | 71850-09-4                          |
| 203                                 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one                                                                                                                                                                                                     | 400-600-6              | 71868-10-5                          |
| 202                                 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone                                                                                                                                                                                                          | 404-360-3              | 119313-12-1                         |
| Date of Inclusion: July 16, 2019    |                                                                                                                                                                                                                                                              | EC Number              | CAS Number                          |
| 201                                 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides                                                                                                                                                                     | -                      | -                                   |
| 200                                 | 2-methoxyethyl acetate                                                                                                                                                                                                                                       | 203-772-9              | 110-49-6                            |
| 199                                 | 4-tert-butylphenol                                                                                                                                                                                                                                           | 202-679-0              | 98-54-4                             |
| 198                                 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥0.1% w/w of 4-nonylphenol, branched and linear (4-NP)                                                                                                                                        | -                      | -                                   |
| Date of Inclusion: January 15, 2019 |                                                                                                                                                                                                                                                              | EC Number              | CAS Number                          |
| 197                                 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one                                                                                                                                                                                                | 239-139-9              | 15087-24-8                          |
| 196                                 | Pyrene                                                                                                                                                                                                                                                       | 204-927-3              | 129-00-0                            |
| 195                                 | Phenanthrene                                                                                                                                                                                                                                                 | 201-581-5              | 85-01-8                             |
| 194                                 | Fluoranthene                                                                                                                                                                                                                                                 | 205-912-4              | 206-44-0                            |
| 193                                 | Benzo[k]fluoranthene                                                                                                                                                                                                                                         | 205-916-6              | 207-08-9                            |
| 192                                 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane                                                                                                                                                                                                                    | 401-720-1              | 6807-17-6                           |
| Date of Inclusion: Jun 27, 2018     |                                                                                                                                                                                                                                                              | EC Number              | CAS Number                          |
| 191                                 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride                                                                                                                                                                                                               | 209-008-0              | 552-30-7                            |
| 190                                 | Benzo[ghi]perylene                                                                                                                                                                                                                                           | 205-883-8              | 191-24-2                            |
| 189                                 | Decamethylcyclopentasiloxane                                                                                                                                                                                                                                 | 208-764-9              | 541-02-6                            |
| 188                                 | Dicyclohexyl phthalate                                                                                                                                                                                                                                       | 201-545-9              | 84-61-7                             |
| 187                                 | Disodium octaborate                                                                                                                                                                                                                                          | 234-541-0              | 12008-41-2                          |
| 186                                 | Dodecamethylcyclohexasiloxane                                                                                                                                                                                                                                | 234-541-0              | 540-97-6                            |
| 185                                 | Ethylenediamine                                                                                                                                                                                                                                              | 208-762-8              | 107-15-3                            |
| 184                                 | Lead NOTE: Does not exceed threshold levels specified in RoHS Directive (EU) 2015/863                                                                                                                                                                        | 203-468-6              | 7439-92-1                           |
| 183                                 | Octamethylcyclotetrasiloxane                                                                                                                                                                                                                                 | 231-100-4              | 556-67-2                            |
| 182                                 | Terphenyl, hydrogenated                                                                                                                                                                                                                                      | 209-136-7              | 61788-32-7                          |
| Date of Inclusion: Jan 15, 2018     |                                                                                                                                                                                                                                                              | EC Number              | CAS Number                          |
| 181                                 | Benz[a]anthracene                                                                                                                                                                                                                                            | 200-280-6              | 56-55-3<br>1718-53-2                |
| 180                                 | Cadmium carbonate                                                                                                                                                                                                                                            | 208-168-9              | 513-78-0                            |
| 179                                 | Cadmium hydroxide                                                                                                                                                                                                                                            | 244-168-5              | 21041-95-2                          |
| 178                                 | Cadmium nitrate                                                                                                                                                                                                                                              | 233-710-6              | 10022-68-1<br>10325-94-7            |
| 177                                 | Chrysene                                                                                                                                                                                                                                                     | 205-923-4              | 218-01-9<br>1719-03-5               |
| 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     |                                                                                                                                                                                                                                                              | EC Number              | CAS Number                          |
| 174                                 | Perfluorohexane-1-sulphonic acid and its salts (PFHxS)                                                                                                                                                                                                       | 206-587-1              | 355-46-4                            |
| Date of Inclusion: Dec 19, 2016     |                                                                                                                                                                                                                                                              | EC Number              | CAS Number                          |
| 173                                 | p-(1,1-dimethylpropyl)phenol                                                                                                                                                                                                                                 | 201-280-9              | 80-46-6                             |
| 172                                 | 4-heptylphenol, branched and linear                                                                                                                                                                                                                          | -                      | -                                   |
| 171                                 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts                                                                                                                                                                                         | 206-400-3<br>221-470-5 | 335-76-2<br>3830-45-3<br>3108-42-7  |
| 170                                 | 4,4'-isopropylidenediphenol (bisphenol A)                                                                                                                                                                                                                    | 201-245-8              | 80-5-7                              |
| Date of Inclusion: Jun 20, 2016     |                                                                                                                                                                                                                                                              | EC Number              | CAS Number                          |
| 169                                 | Benzo[def]chrysene (Benzo[a]pyrene)                                                                                                                                                                                                                          | 200-028-5              | 50-32-8                             |
| Date of Inclusion: Dec 17, 2015     |                                                                                                                                                                                                                                                              | EC Number              | CAS Number                          |
| 168                                 | 1,3-propanesultone                                                                                                                                                                                                                                           | 214-317-9              | 1120-71-4                           |
| 167                                 | 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                          |
| 165                                 | Nitrobenzene                                                                                                                                                                                                                                                 | 202-716-0              | 98-95-3                             |
| 164                                 | Perfluorononan-1-ic-acid and its sodium and ammonium salts                                                                                                                                                                                                   | 206-801-3              | 4149-60-4<br>375-95-1<br>21049-39-8 |
| Date of Inclusion: Jun 15, 2015     |                                                                                                                                                                                                                                                              | EC Number              | CAS Number                          |
| 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)                                                                               | 272-013-1<br>271-094-0 | 68648-93-1<br>68515-51-5            |
| 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 of [1] and [2] or any combination thereof]                    | -                      | -                                   |
| Date of Inclusion: Dec 17, 2014     |                                                                                                                                                                                                                                                              | EC Number              | CAS Number                          |
| 161                                 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)                                                                                                                                                                                                     | 247-384-8              | 25973-55-1                          |
| 160                                 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)                                                                                                                                                                                                         | 223-346-6              | 3846-71-7                           |
| 159                                 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)                                                                                                                                                                       | 239-622-4              | 15571-58-1                          |
| 158                                 | Cadmium fluoride                                                                                                                                                                                                                                             | 232-222-0              | 7790-79-6                           |
| 157                                 | 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) | -                      | -                                   |

|                                        |                                                                                                                                                                                                                                                                                                   |                                                  |                                                      |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------|
| 156                                    | Cadmium sulphate                                                                                                                                                                                                                                                                                  | 233-331-6                                        | 10124-36-4<br>31119-53-6                             |
| <b>Date of Inclusion: Jun 16, 2014</b> |                                                                                                                                                                                                                                                                                                   | <b>EC Number</b>                                 | <b>CAS Number</b>                                    |
| 155                                    | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear                                                                                                                                                                                                                                  | 271-093-5                                        | 68515-50-4                                           |
| 154                                    | Sodium perborate, perboric acid, sodium salt                                                                                                                                                                                                                                                      | 234-390-0<br>239-172-9                           | 11138-47-9<br>15120-21-5                             |
| 153                                    | Sodium peroxometaborate                                                                                                                                                                                                                                                                           | 231-556-4                                        | 7632-04-4                                            |
| 152                                    | Cadmium chloride                                                                                                                                                                                                                                                                                  | 233-296-7                                        | 10108-64-2                                           |
| <b>Date of Inclusion: Dec 16, 2013</b> |                                                                                                                                                                                                                                                                                                   | <b>EC Number</b>                                 | <b>CAS Number</b>                                    |
| 151                                    | Cadmium sulphide                                                                                                                                                                                                                                                                                  | 215-147-8                                        | 1306-23-6                                            |
| 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)                                                                                                                                            | 217-710-3                                        | 1937-37-7                                            |
| 149                                    | Dihexyl phthalate                                                                                                                                                                                                                                                                                 | 201-559-5                                        | 84-75-3                                              |
| 148                                    | Imidazolidine-2-thione; (2-imidazoline-2-thiol)                                                                                                                                                                                                                                                   | 202-506-9                                        | 96-45-7                                              |
| 147                                    | Trixylyl phosphate                                                                                                                                                                                                                                                                                | 246-677-8                                        | 25155-23-1                                           |
| 146                                    | Disodium 3,3'-[[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)                                                                                                                                                                                       | 209-358-4                                        | 573-58-0                                             |
| 145                                    | Lead di(acetate)                                                                                                                                                                                                                                                                                  | 206-104-4                                        | 301-04-2                                             |
| <b>Date of Inclusion: Jun 20, 2013</b> |                                                                                                                                                                                                                                                                                                   | <b>EC Number</b>                                 | <b>CAS Number</b>                                    |
| 144                                    | Cadmium                                                                                                                                                                                                                                                                                           | 231-152-8                                        | 7440-43-9                                            |
| 143                                    | Ammonium pentadecafluorooctanoate (APFO)                                                                                                                                                                                                                                                          | 223-320-4                                        | 3825-26-1                                            |
| 142                                    | Pentadecafluorooctanoic acid (PFOA)                                                                                                                                                                                                                                                               | 206-397-9                                        | 335-67-1                                             |
| 141                                    | Dipentyl phthalate (DPP)                                                                                                                                                                                                                                                                          | 205-017-9                                        | 131-18-0                                             |
| 140                                    | 4-Nonylphenol, branched and linear, ethoxylated                                                                                                                                                                                                                                                   | -                                                | -                                                    |
| 139                                    | Cadmium oxide                                                                                                                                                                                                                                                                                     | 215-146-2                                        | 1306-19-0                                            |
| <b>Date of Inclusion: Dec 19, 2012</b> |                                                                                                                                                                                                                                                                                                   | <b>EC Number</b>                                 | <b>CAS Number</b>                                    |
| 138                                    | Trilead dioxide phosphonate                                                                                                                                                                                                                                                                       | 235-252-2                                        | 12141-20-7                                           |
| 137                                    | Trilead bis(carbonate)dihydroxide                                                                                                                                                                                                                                                                 | 215-290-6                                        | 1319-46-6                                            |
| 136                                    | Tricosafuorododecanoic acid                                                                                                                                                                                                                                                                       | 206-203-2                                        | 307-55-1                                             |
| 135                                    | Tetralead trioxide sulphate                                                                                                                                                                                                                                                                       | 235-380-9                                        | 12202-17-4                                           |
| 134                                    | Tetraethyllead                                                                                                                                                                                                                                                                                    | 201-075-4                                        | 78-00-2                                              |
| 133                                    | Sulfurous acid, lead salt, dibasic                                                                                                                                                                                                                                                                | 263-467-1                                        | 62229-08-7                                           |
| 132                                    | Silicic acid, lead salt                                                                                                                                                                                                                                                                           | 234-363-3                                        | 11120-22-2                                           |
| 131                                    | Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped                                                                                                                                                                                                      | 272-271-5                                        | 68784-75-8                                           |
| 130                                    | Pyrochlore, antimony lead yellow                                                                                                                                                                                                                                                                  | 232-382-1                                        | 8012-00-8                                            |
| 129                                    | Pentalead tetraoxide sulphate                                                                                                                                                                                                                                                                     | 235-067-7                                        | 12065-90-6                                           |
| 128                                    | Pentacosafuorotridecanoic acid                                                                                                                                                                                                                                                                    | 276-745-2                                        | 72629-94-8                                           |
| 127                                    | Orange lead (lead tetroxide)                                                                                                                                                                                                                                                                      | 215-235-6                                        | 1314-41-6                                            |
| 126                                    | o-Toluidine                                                                                                                                                                                                                                                                                       | 202-429-0                                        | 95-53-4                                              |
| 125                                    | o-aminoazotoluene                                                                                                                                                                                                                                                                                 | 202-591-2                                        | 97-56-3                                              |
| 124                                    | N-pentyl-isopentylphthalate                                                                                                                                                                                                                                                                       | -                                                | 776297-69-9                                          |
| 123                                    | N-methylacetamide                                                                                                                                                                                                                                                                                 | 201-182-6                                        | 79-16-3                                              |
| 122                                    | N,N-dimethylformamide                                                                                                                                                                                                                                                                             | 200-679-5                                        | 68-12-2                                              |
| 121                                    | Methyloxirane (Propylene oxide)                                                                                                                                                                                                                                                                   | 200-879-2                                        | 75-56-9                                              |
| 120                                    | Methoxyacetic acid                                                                                                                                                                                                                                                                                | 210-894-6                                        | 625-45-6                                             |
| 119                                    | Lead titanium zirconium oxide                                                                                                                                                                                                                                                                     | 235-727-4                                        | 12626-81-2                                           |
| 118                                    | Lead titanium trioxide                                                                                                                                                                                                                                                                            | 235-038-9                                        | 12060-00-3                                           |
| 117                                    | Lead oxide sulfate                                                                                                                                                                                                                                                                                | 234-853-7                                        | 12036-76-9                                           |
| 116                                    | Lead monoxide (lead oxide)                                                                                                                                                                                                                                                                        | 215-267-0                                        | 1317-36-8                                            |
| 115                                    | Lead dinitrate                                                                                                                                                                                                                                                                                    | 233-245-9                                        | 10099-74-8                                           |
| 114                                    | Lead cyanamidate                                                                                                                                                                                                                                                                                  | 244-073-9                                        | 20837-86-9                                           |
| 113                                    | Lead bis(tetrafluoroborate)                                                                                                                                                                                                                                                                       | 237-486-0                                        | 13814-96-5                                           |
| 112                                    | Hexahydromethylphthalic anhydride                                                                                                                                                                                                                                                                 | 243-072-0<br>260-566-1<br>256-356-4<br>247-094-1 | 19438-60-9<br>57110-29-9<br>48122-14-1<br>25550-51-0 |
| 111                                    | Heptacosafuorotetradecanoic acid                                                                                                                                                                                                                                                                  | 206-803-4                                        | 376-06-7                                             |
| 110                                    | Henicosafuoroundecanoic acid                                                                                                                                                                                                                                                                      | 218-165-4                                        | 2058-94-8                                            |
| 109                                    | Furan                                                                                                                                                                                                                                                                                             | 203-727-3                                        | 110-00-9                                             |
| 108                                    | Fatty acids, C16-18, lead salts                                                                                                                                                                                                                                                                   | 292-966-7                                        | 91031-62-8                                           |
| 107                                    | Dioxobis(stearato)trilead                                                                                                                                                                                                                                                                         | 235-702-8                                        | 12578-12-0                                           |
| 106                                    | Dinoseb (6-sec-butyl-2,4-dinitrophenol)                                                                                                                                                                                                                                                           | 201-861-7                                        | 88-85-7                                              |
| 105                                    | Dimethyl sulphate                                                                                                                                                                                                                                                                                 | 201-058-1                                        | 77-78-1                                              |
| 104                                    | Diisopentylphthalate                                                                                                                                                                                                                                                                              | 210-088-4                                        | 605-50-5                                             |
| 103                                    | Diethyl sulphate                                                                                                                                                                                                                                                                                  | 200-589-6                                        | 64-67-5                                              |
| 102                                    | Dibutyltin dichloride (DBTC)                                                                                                                                                                                                                                                                      | 211-670-0                                        | 683-18-1                                             |
| 101                                    | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))                                                                                                                                                                                                                                                 | 204-650-8                                        | 123-77-3                                             |
| 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] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry] | 201-604-9<br>236-086-3<br>238-009-9              | 13149-00-3<br>85-42-7<br>14166-21-3                  |
| 99                                     | Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)                                                                                                                                                                                                                                    | 214-604-9                                        | 1163-19-5                                            |
| 98                                     | Biphenyl-4-ylamine                                                                                                                                                                                                                                                                                | 202-177-1                                        | 92-67-1                                              |
| 97                                     | Acetic acid, lead salt, basic                                                                                                                                                                                                                                                                     | 257-175-3                                        | 51404-69-4                                           |
| 96                                     | [Phthalato(2-)]dioxotrilead                                                                                                                                                                                                                                                                       | 273-688-5                                        | 69011-06-9                                           |
| 95                                     | 6-methoxy-m-toluidine (p-cresidine)                                                                                                                                                                                                                                                               | 204-419-1                                        | 120-71-8                                             |
| 94                                     | 4-Nonylphenol, branched and linear                                                                                                                                                                                                                                                                | -                                                | -                                                    |
| 93                                     | 4-methyl-m-phenylenediamine (toluene-2,4-diamine)                                                                                                                                                                                                                                                 | 202-453-1                                        | 95-80-7                                              |
| 92                                     | 4-Aminoazobenzene                                                                                                                                                                                                                                                                                 | 200-453-6                                        | 60-09-3                                              |
| 91                                     | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated                                                                                                                                                                                                                                                   | -                                                | -                                                    |
| 90                                     | 4,4'-oxydianiline and its salts                                                                                                                                                                                                                                                                   | 202-977-0                                        | 101-80-4                                             |
| 89                                     | 4,4'-methylenedi-o-toluidine                                                                                                                                                                                                                                                                      | 212-658-8                                        | 838-88-0                                             |
| 88                                     | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine                                                                                                                                                                                                                                                | 421-150-7                                        | 143860-04-2                                          |

|                                        |                                                                                                                                                                                                                                           |                        |                                      |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------|
| 87                                     | 1-bromopropane (n-propyl bromide)                                                                                                                                                                                                         | 203-445-0              | 106-94-5                             |
| 86                                     | 1,2-Diethoxyethane                                                                                                                                                                                                                        | 211-076-1              | 629-14-1                             |
| 85                                     | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear                                                                                                                                                                          | 284-032-2              | 84777-06-0                           |
| <b>Date of Inclusion: Jun 18, 2012</b> |                                                                                                                                                                                                                                           | <b>EC Number</b>       | <b>CAS Number</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. 202-959-2)]                                 | 229-851-8              | 6786-83-0                            |
| 83                                     | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)                                                                                                                                                                            | 202-959-2              | 101-61-1                             |
| 82                                     | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)                                                                                                                                           | 423-400-0              | 59653-74-6                           |
| 81                                     | Diboron trioxide                                                                                                                                                                                                                          | 215-125-8              | 1303-86-2                            |
| 80                                     | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)                                                                                                                                                                                         | 203-977-3              | 112-49-2                             |
| 79                                     | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]                                                                                   | 209-218-2              | 561-41-1                             |
| 78                                     | Lead(II) bis(methanesulfonate)                                                                                                                                                                                                            | 401-750-5              | 17570-76-2                           |
| 77                                     | Formamide                                                                                                                                                                                                                                 | 200-842-0              | 75-12-7                              |
| 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 base (EC No. 202-959-2)]                  | 208-953-6              | 548-62-9                             |
| 75                                     | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)                                                                                                                                                                               | 203-794-9              | 110-71-4                             |
| 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 base (EC No. 202-959-2)] | 219-943-6              | 2580-56-5                            |
| 73                                     | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC)                                                                                                                                                                          | 219-514-3              | 2451-62-9                            |
| 72                                     | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)                                                                                                                                                                                    | 202-027-5              | 90-94-8                              |
| <b>Date of Inclusion: Dec 19, 2011</b> |                                                                                                                                                                                                                                           | <b>EC Number</b>       | <b>CAS Number</b>                    |
| 71                                     | 4-(1,1,3,3-tetramethylbutyl)phenol                                                                                                                                                                                                        | 205-426-2              | 140-66-9                             |
| 70                                     | N,N-dimethylacetamide                                                                                                                                                                                                                     | 204-826-4              | 127-19-5                             |
| 69                                     | Phenolphthalein                                                                                                                                                                                                                           | 201-004-7              | 77-09-8                              |
| 68                                     | Lead diazide, Lead azide                                                                                                                                                                                                                  | 236-542-1              | 13424-46-9                           |
| 67                                     | Lead dipicrate                                                                                                                                                                                                                            | 229-335-2              | 6477-64-1                            |
| 66                                     | 1,2-dichloroethane                                                                                                                                                                                                                        | 203-458-1              | 107-06-2                             |
| 65                                     | Calcium arsenate                                                                                                                                                                                                                          | 231-904-5              | 7778-44-1                            |
| 64                                     | Dichromium tris(chromate)                                                                                                                                                                                                                 | 246-356-2              | 24613-89-6                           |
| 63                                     | 2-Methoxyaniline; o-Anisidine                                                                                                                                                                                                             | 201-963-1              | 90-04-0                              |
| 62                                     | Pentazinc chromate octahydroxide                                                                                                                                                                                                          | 256-418-0              | 49663-84-5                           |
| 61                                     | Arsenic acid                                                                                                                                                                                                                              | 231-901-9              | 7778-39-4                            |
| 60                                     | Potassium hydroxyoctaoxodizincatedichromate                                                                                                                                                                                               | 234-329-8              | 11103-86-9                           |
| 59                                     | Formaldehyde, oligomeric reaction products with aniline                                                                                                                                                                                   | 500-036-1              | 25214-70-4                           |
| 58                                     | Lead styphnate                                                                                                                                                                                                                            | 239-290-0              | 15245-44-0                           |
| 57                                     | Trilead diarsenate                                                                                                                                                                                                                        | 222-979-5              | 3687-31-8                            |
| 56                                     | Zirconia Aluminosilicate Refractory Ceramic Fibres                                                                                                                                                                                        | -                      | -                                    |
| 55                                     | Bis(2-methoxyethyl) phthalate                                                                                                                                                                                                             | 204-212-6              | 117-82-8                             |
| 54                                     | Aluminosilicate Refractory Ceramic Fibres                                                                                                                                                                                                 | -                      | -                                    |
| 53                                     | Bis(2-methoxyethyl) ether                                                                                                                                                                                                                 | 203-924-4              | 111-96-6                             |
| 52                                     | 2,2'-dichloro-4,4'-methylenedianiline                                                                                                                                                                                                     | 202-918-9              | 101-14-4                             |
| 51                                     | Cobalt dichloride                                                                                                                                                                                                                         | 231-589-4              | 7646-79-9                            |
| <b>Date of Inclusion: Jun 20, 2011</b> |                                                                                                                                                                                                                                           | <b>EC Number</b>       | <b>CAS Number</b>                    |
| 50                                     | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich                                                                                                                                                                      | 276-158-1              | 71888-89-6                           |
| 49                                     | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters                                                                                                                                                                   | 271-084-6              | 68515-42-4                           |
| 48                                     | Strontium chromate                                                                                                                                                                                                                        | 232-142-6              | 7789-06-2                            |
| 47                                     | 1-Methyl-2-pyrrolidone                                                                                                                                                                                                                    | 212-828-1              | 872-50-4                             |
| 46                                     | 1,2,3-Trichloropropane                                                                                                                                                                                                                    | 202-486-1              | 96-18-4                              |
| 45                                     | 2-Ethoxyethyl acetate                                                                                                                                                                                                                     | 203-839-2              | 111-15-9                             |
| 44                                     | Hydrazine                                                                                                                                                                                                                                 | 206-114-9              | 302-01-2<br>7803-57-8                |
| <b>Date of Inclusion: Dec 15, 2010</b> |                                                                                                                                                                                                                                           | <b>EC Number</b>       | <b>CAS Number</b>                    |
| 43                                     | Cobalt(II) diacetate                                                                                                                                                                                                                      | 200-755-8              | 71-48-7                              |
| 42                                     | Cobalt(II) sulphate                                                                                                                                                                                                                       | 233-334-2              | 10124-43-3                           |
| 41                                     | 2-Ethoxyethanol                                                                                                                                                                                                                           | 203-804-1              | 110-80-5                             |
| 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.                                                           | 231-801-5<br>236-881-5 | 13530-68-2<br>7738-94-5              |
| 39                                     | 2-Methoxyethanol                                                                                                                                                                                                                          | 203-713-7              | 109-86-4                             |
| 38                                     | Chromium trioxide                                                                                                                                                                                                                         | 215-607-8              | 1333-82-0                            |
| 37                                     | Cobalt(II) carbonate                                                                                                                                                                                                                      | 208-169-4              | 513-79-1                             |
| 36                                     | Cobalt(II) dinitrate                                                                                                                                                                                                                      | 233-402-1              | 10141-05-6                           |
| <b>Date of Inclusion: Jun 18, 2010</b> |                                                                                                                                                                                                                                           | <b>EC Number</b>       | <b>CAS Number</b>                    |
| 35                                     | Trichloroethylene                                                                                                                                                                                                                         | 201-167-4              | 79-01-6                              |
| 34                                     | Potassium dichromate                                                                                                                                                                                                                      | 231-906-6              | 7778-50-9                            |
| 33                                     | Tetraboron disodium heptaoxide, hydrate                                                                                                                                                                                                   | 235-541-3              | 12267-73-1                           |
| 32                                     | Ammonium dichromate                                                                                                                                                                                                                       | 232-143-1              | 7789-09-5                            |
| 31                                     | Boric acid                                                                                                                                                                                                                                | 233-139-2<br>234-343-4 | 11113-50-1<br>10043-35-3             |
| 30                                     | Sodium chromate                                                                                                                                                                                                                           | 231-889-5              | 7775-11-3                            |
| 29                                     | Disodium tetraborate, anhydrous                                                                                                                                                                                                           | 215-540-4              | 12179-04-3<br>1303-96-4<br>1330-43-4 |
| 28                                     | Potassium chromate                                                                                                                                                                                                                        | 232-140-5              | 7789-00-6                            |
| <b>Date of Inclusion: Mar 30, 2010</b> |                                                                                                                                                                                                                                           | <b>EC Number</b>       | <b>CAS Number</b>                    |
| 27                                     | Acrylamide                                                                                                                                                                                                                                | 201-173-7              | 79-06-1                              |
| <b>Date of Inclusion: Jan 13, 2010</b> |                                                                                                                                                                                                                                           | <b>EC Number</b>       | <b>CAS Number</b>                    |
| 26                                     | Lead sulfochromate yellow (C.I. Pigment Yellow 34)                                                                                                                                                                                        | 215-693-7              | 1344-37-2                            |
| 25                                     | Lead chromate molybdate sulphate red (C.I. Pigment Red 104)                                                                                                                                                                               | 235-759-9              | 12656-85-8                           |
| 24                                     | Anthracene oil                                                                                                                                                                                                                            | 292-602-7              | 90640-80-5                           |
| 23                                     | 2,4-Dinitrotoluene                                                                                                                                                                                                                        | 204-450-0              | 121-14-2                             |

|                                        |                                                                                                                                                                 |                        |                                                                      |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------|
| 22                                     | Anthracene oil, anthracene paste, anthracene fraction                                                                                                           | 295-275-9              | 91995-15-2                                                           |
| 21                                     | Anthracene oil, anthracene-low                                                                                                                                  | 292-604-8              | 90640-82-7                                                           |
| 20                                     | Tris(2-chloroethyl)phosphate                                                                                                                                    | 204-118-5              | 115-96-8                                                             |
| 19                                     | Diisobutyl phthalate                                                                                                                                            | 201-553-2              | 84-69-5                                                              |
| 18                                     | Lead chromate                                                                                                                                                   | 231-846-0              | 7758-97-6                                                            |
| 17                                     | Anthracene oil, anthracene paste                                                                                                                                | 292-603-2              | 90640-81-6                                                           |
| 16                                     | Pitch, coal tar, high temp.                                                                                                                                     | 266-028-2              | 65996-93-2                                                           |
| 15                                     | Anthracene oil, anthracene paste, distn. lights                                                                                                                 | 295-278-5              | 91995-17-4                                                           |
| <b>Date of Inclusion: Oct 28, 2008</b> |                                                                                                                                                                 | <b>EC Number</b>       | <b>CAS Number</b>                                                    |
| 14                                     | Lead hydrogen arsenate                                                                                                                                          | 232-064-2              | 7784-40-9                                                            |
| 13                                     | Benzyl butyl phthalate (BBP)                                                                                                                                    | 201-622-7              | 85-68-7                                                              |
| 12                                     | Bis(2-ethylhexyl)phthalate (DEHP)                                                                                                                               | 204-211-0              | 117-81-7                                                             |
| 11                                     | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)                                                                                                              | 201-329-4              | 81-15-2                                                              |
| 10                                     | Diarsenic trioxide                                                                                                                                              | 215-481-4              | 1327-53-3                                                            |
| 9                                      | Bis(tributyltin)oxide (TBTO)                                                                                                                                    | 200-268-0              | 56-35-9                                                              |
| 8                                      | Triethyl arsenate                                                                                                                                               | 427-700-2              | 15606-95-8                                                           |
| 7                                      | Diarsenic pentaoxide                                                                                                                                            | 215-116-9              | 1303-28-2                                                            |
| 6                                      | Sodium dichromate                                                                                                                                               | 234-190-3              | 10588-01-9<br>7789-12-0                                              |
| 5                                      | Dibutyl phthalate (DBP)                                                                                                                                         | 201-557-4              | 84-74-2                                                              |
| 4                                      | 4,4'-Diaminodiphenylmethane (MDA)                                                                                                                               | 202-974-4              | 101-77-9                                                             |
| 3                                      | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)                                                                                                     | 287-476-5              | 85535-84-8                                                           |
| 2                                      | Anthracene                                                                                                                                                      | 204-371-1              | 120-12-7                                                             |
| 1                                      | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane | 247-148-4<br>221-695-9 | 25637-99-4<br>134237-52-8<br>3194-55-6<br>134237-50-6<br>134237-51-7 |