

**Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)**

REACH is a European Community Regulation on chemicals and their safe use (EC 1907/2006). It deals with the **Registration, Evaluation, Authorisation and Restriction of Chemical** substances. The law entered into force on 1 June 2007. The aim of REACH is to improve the protection of human health and the environment through the better and earlier identification of the intrinsic properties of chemical substances. More information may be found at [http://ec.europa.eu/environment/chemicals/reach/reach\\_intro.htm](http://ec.europa.eu/environment/chemicals/reach/reach_intro.htm).

Lattice is a supplier of “articles” as defined in REACH. The “substances” contained in these articles are not intentionally released, nor do the articles contain any of the substances on the updated SVHC Candidate List of 209 substances published on June 25, 2020 (see Table below) except as noted below the table. Additionally, Lattice’s devices are in compliance with the substance restrictions enumerated in REACH **ANNEX XVII**.

| #  | Substance Name   | CAS #                   | SVHC Published Date |
|----|--|-------------------------|---------------------|
| 1  | 4,4'- Diaminodiphenylmethane (MDA)   | 101-77-9                | 10/28/2008          |
| 2  | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)   | 81-15-2                 | 10/28/2008          |
| 3  | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)  | 85535-84-8              | 10/28/2008          |
| 4  | Anthracene   | 120-12-7                | 10/28/2008          |
| 5  | Benzyl butyl phthalate (BBP)   | 85-68-7                 | 10/28/2008          |
| 6  | Bis (2-ethylhexyl)phthalate (DEHP)   | 117-81-7                | 10/28/2008          |
| 7  | Bis(tributyltin)oxide (TBTO)   | 56-35-9                 | 10/28/2008          |
| 8  | Cobalt dichloride  | 7646-79-9               | 10/28/2008          |
|    |  |                         | 6/20/2011           |
| 9  | Diarsenic pentaoxide   | 1303-28-2               | 10/28/2008          |
| 10 | Diarsenic trioxide   | 1327-53-3               | 10/28/2008          |
| 11 | Dibutyl phthalate (DBP)  | 84-74-2                 | 10/28/2008          |
| 12 | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:<br>Alpha-hexabromocyclododecane<br>Beta-hexabromocyclododecane<br>Gamma-hexabromocyclododecane | 25637-99-4              | 10/28/2008          |
|    |  | 3194-55-6               |                     |
|    |  | (134237-50-6)           |                     |
|    |  | (134237-51-7)           |                     |
| 13 | Lead hydrogen arsenate   | 7784-40-9               | 10/28/2008          |
|    |  | 7789-12-0<br>10588-01-9 | 10/28/2008          |
| 14 | Sodium dichromate  | 15606-95-8              | 10/28/2008          |
| 15 | Triethyl arsenate  | 121-14-2                | 1/13/2010           |
| 16 | 2,4-Dinitrotoluene   | 90640-80-5              | 1/13/2010           |
| 17 | Anthracene oil   |                         |                     |

|    |  |                                      |            |
|----|--|--------------------------------------|------------|
| 18 | Anthracene oil, anthracene paste   | 90640-81-6                           | 1/13/2010  |
| 19 | Anthracene oil, anthracene paste, anthracene fraction                            | 91995-15-2                           | 1/13/2010  |
| 20 | Anthracene oil, anthracene paste, distn. lights                                  | 91995-17-4                           | 1/13/2010  |
| 21 | Anthracene oil, anthracene-low   | 90640-82-7                           | 1/13/2010  |
| 22 | Diisobutyl phthalate   | 84-69-5                              | 1/13/2010  |
| 23 | Lead chromate  | 7758-97-6                            | 1/13/2010  |
| 24 | Lead chromate molybdate sulphate red (C.I. Pigment Red 104)                      | 12656-85-8                           | 1/13/2010  |
| 25 | Lead sulfochromate yellow (C.I. Pigment Yellow 34)                               | 1344-37-2                            | 1/13/2010  |
| 26 | Pitch, coal tar, high temp.  | 65996-93-2                           | 1/13/2010  |
| 27 | Tris(2-chloroethyl)phosphate   | 115-96-8                             | 1/13/2010  |
| 28 | Acrylamide   | 79-06-1                              | 3/30/2010  |
| 29 | Ammonium dichromate  | 7789-09-5                            | 6/18/2010  |
| 30 | Boric acid   | 10043-35-3<br>11113-50-1             | 6/18/2010  |
| 31 | Disodium tetraborate, anhydrous  | 1303-96-4<br>1330-43-4<br>12179-04-3 | 6/18/2010  |
| 32 | Potassium chromate   | 7789-00-6                            | 6/18/2010  |
| 33 | Potassium dichromate   | 7778-50-9                            | 6/18/2010  |
| 34 | Sodium chromate  | 7775-11-3                            | 6/18/2010  |
| 35 | Tetraboron disodium heptaoxide, hydrate  | 12267-73-1                           | 6/18/2010  |
| 36 | Trichloroethylene  | 79-01-6                              | 6/18/2010  |
| 37 | 2-Ethoxyethanol  | 110-80-5                             | 12/15/2010 |
| 38 | 2-Methoxyethanol   | 109-86-4                             | 12/15/2010 |
| 39 | Chromic acid,<br>Oligomers of chromic acid and dichromic acid,<br>Dichromic acid | 7738-94-5<br>--<br>13530-68-2        | 12/15/2010 |
| 40 | Chromium trioxide  | 1333-82-0                            | 12/15/2010 |
| 41 | Cobalt(II) carbonate   | 513-79-1                             | 12/15/2010 |
| 42 | Cobalt(II) diacetate   | 71-48-7                              | 12/15/2010 |
| 43 | Cobalt(II) dinitrate   | 10141-05-6                           | 12/15/2010 |
| 44 | Cobalt(II) sulphate  | 10124-43-3                           | 12/15/2010 |
| 45 | 1,2,3-Trichloropropane   | 96-18-4                              | 6/20/2011  |
| 46 | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,<br>C7-rich          | 71888-89-6                           | 6/20/2011  |
| 47 | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear<br>alkyl esters       | 68515-42-4                           | 6/20/2011  |
| 48 | 1-Methyl-2-pyrrolidone   | 872-50-4                             | 6/20/2011  |
| 49 | 2-Ethoxyethyl acetate  | 111-15-9                             | 6/20/2011  |
| 50 | Hydrazine  | 302-01-2<br>7803-57-8                | 6/20/2011  |

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|----|---|------------|------------|
| 51 | Strontium chromate  | 7789-06-2  | 6/20/2011  |
| 52 | Dichromium tris(chromate)   | 24613-89-6 | 12/19/2011 |
| 53 | Potassium hydroxyoctaoxodizincatedi-chromate  | 11103-86-9 | 12/19/2011 |
| 54 | Pentazinc chromate octahydroxide  | 49663-84-5 | 12/19/2011 |
| 55 | Aluminosilicate Refractory Ceramic Fibres (RCF)   | --         | 12/19/2011 |
| 56 | Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)   | --         | 12/19/2011 |
| 57 | Formaldehyde, oligomeric reaction products with aniline (technical MDA)                                   | 25214-70-4 | 12/19/2011 |
| 58 | Bis(2-methoxyethyl) phthalate   | 117-82-8   | 12/19/2011 |
| 59 | 2-Methoxyaniline; o-Anisidine   | 90-04-0    | 12/19/2011 |
| 60 | 4-(1,1,3,3-tetramethyl butyl)phenol, (4-tert-Octylphenol)   | 140-66-9   | 12/19/2011 |
| 61 | 1,2-Dichloroethane  | 107-06-2   | 12/19/2011 |
| 62 | Bis(2-methoxyethyl) ether   | 111-96-6   | 12/19/2011 |
| 63 | Arsenic acid  | 7778-39-4  | 12/19/2011 |
| 64 | Calcium arsenate  | 7778-44-1  | 12/19/2011 |
| 65 | Trilead diarsenate  | 3687-31-8  | 12/19/2011 |
| 66 | N,N-dimethylacetamide (DMAC)  | 127-19-5   | 12/19/2011 |
| 67 | 2,2'-dichloro-4,4'-methylenedianiline (MOCA)  | 101-14-4   | 12/19/2011 |
| 68 | Phenolphthalein   | 77-09-8    | 12/19/2011 |
| 69 | Lead azide, Lead diazide  | 13424-46-9 | 12/19/2011 |
| 70 | Lead styphnate  | 15245-44-0 | 12/19/2011 |
| 71 | Lead dipicrate  | 6477-64-1  | 12/19/2011 |
| 72 | $\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) | 6786-83-0  | 6/18/2012  |
| 73 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)  | 101-61-1   | 6/18/2012  |
| 74 | $\beta$ -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)            | 59653-74-6 | 6/18/2012  |
| 75 | Diboron trioxide  | 1303-86-2  | 6/18/2012  |
| 76 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)   | 112-49-2   | 6/18/2012  |
| 77 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol   | 561-41-1   | 6/18/2012  |
| 78 | Lead(II) bis(methanesulfonate)  | 17570-76-2 | 6/18/2012  |
| 79 | Formamide   | 75-12-7    | 6/18/2012  |
| 80 | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride        | 548-62-9   | 6/18/2012  |

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|-----|--|---|------------|
| 81  | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)  | 110-71-4  | 6/18/2012  |
| 82  | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride   | 2580-56-5   | 6/18/2012  |
| 83  | TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)  | 2451-62-9   | 6/18/2012  |
| 84  | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)   | 90-94-8   | 6/18/2012  |
| 85  | Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)   | 1163-19-5   | 12/19/2012 |
| 86  | Pentacosfluorotridecanoic acid   | 72629-94-8  | 12/19/2012 |
| 87  | Tricosfluorododecanoic acid  | 307-55-1  | 12/19/2012 |
| 88  | Henicosfluoroundecanoic acid   | 2058-94-8   | 12/19/2012 |
| 89  | Heptacosfluorotetradecanoic acid   | 376-06-7  | 12/19/2012 |
| 90  | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))  | 123-77-3  | 12/19/2012 |
| 91  | Cyclohexane-1,2-dicarboxylic anhydride [1]<br>cis-cyclohexane-1,2-dicarboxylic anhydride [2]<br>trans-cyclohexane-1,2-dicarboxylic anhydride [3]<br>[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].  | 85-42-7,<br>13149-00-3,<br>14166-21-3                   | 12/19/2012 |
| 92  | Hexahydromethylphthalic anhydride [1],<br>Hexahydro-4-methylphthalic anhydride [2],<br>Hexahydro-1-methylphthalic anhydride [3],<br>Hexahydro-3-methylphthalic anhydride [4]<br>[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry] | 25550-51-0,<br>19438-60-9,<br>48122-14-1,<br>57110-29-9 | 12/19/2012 |
| 93  | 4-Nonylphenol, branched and linear<br>[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]  | --  | 12/19/2012 |
| 94  | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated<br>[covering well-defined substances and UVCB substances, polymers and homologues]   | --  | 12/19/2012 |
| 95  | Methoxyacetic acid   | 625-45-6  | 12/19/2012 |
| 96  | N,N-dimethylformamide  | 68-12-2   | 12/19/2012 |
| 97  | Dibutyltin dichloride (DBTC)   | 683-18-1  | 12/19/2012 |
| 98  | Lead monoxide (Lead oxide)   | 1317-36-8   | 12/19/2012 |
| 99  | Orange lead (Lead tetroxide)   | 1314-41-6   | 12/19/2012 |
| 100 | Lead bis(tetrafluoroborate)  | 13814-96-5  | 12/19/2012 |
| 101 | Trilead bis(carbonate)dihydroxide  | 1319-46-6   | 12/19/2012 |
| 102 | Lead titanium trioxide   | 12060-00-3  | 12/19/2012 |

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|-----|---|-------------|------------|
| 103 | Lead titanium zirconium oxide   | 12626-81-2  | 12/19/2012 |
| 104 | Silicic acid, lead salt   | 11120-22-2  | 12/19/2012 |
| 105 | Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008] | 68784-75-8  | 12/19/2012 |
| 106 | 1-bromopropane (n-propyl bromide)   | 106-94-5    | 12/19/2012 |
| 107 | Methyloxirane (Propylene oxide)   | 75-56-9     | 12/19/2012 |
| 108 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear  | 84777-06-0  | 12/19/2012 |
| 109 | Diisopentylphthalate (DIPP)   | 605-50-5    | 12/19/2012 |
| 110 | N-pentyl-isopentylphthalate   | 776297-69-9 | 12/19/2012 |
| 111 | 1,2-diethoxyethane  | 629-14-1    | 12/19/2012 |
| 112 | Acetic acid, lead salt, basic   | 51404-69-4  | 12/19/2012 |
| 113 | Lead oxide sulfate  | 12036-76-9  | 12/19/2012 |
| 114 | [Phthalato(2-)]dioxotrilead   | 69011-06-9  | 12/19/2012 |
| 115 | Dioxobis(stearato)trilead   | 12578-12-0  | 12/19/2012 |
| 116 | Fatty acids, C16-18, lead salts   | 91031-62-8  | 12/19/2012 |
| 117 | Lead cyanamate  | 20837-86-9  | 12/19/2012 |
| 118 | Lead dinitrate  | 10099-74-8  | 12/19/2012 |
| 119 | Pentalead tetraoxide sulphate   | 12065-90-6  | 12/19/2012 |
| 120 | Pyrochlore, antimony lead yellow  | 8012-00-8   | 12/19/2012 |
| 121 | Sulfurous acid, lead salt, dibasic  | 62229-08-7  | 12/19/2012 |
| 122 | Tetraethyllead  | 78-00-2     | 12/19/2012 |
| 123 | Tetralead trioxide sulphate   | 12202-17-4  | 12/19/2012 |
| 124 | Trilead dioxide phosphonate   | 12141-20-7  | 12/19/2012 |
| 125 | Furan   | 110-00-9    | 12/19/2012 |
| 126 | Diethyl sulphate  | 64-67-5     | 12/19/2012 |
| 127 | Dimethyl sulphate   | 77-78-1     | 12/19/2012 |
| 128 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine  | 143860-04-2 | 12/19/2012 |
| 129 | Dinoseb (6-sec-butyl-2,4-dinitrophenol)   | 88-85-7     | 12/19/2012 |
| 130 | 4,4'-methylenedi-o-toluidine  | 838-88-0    | 12/19/2012 |
| 131 | 4,4'-oxydianiline and its salts   | 101-80-4    | 12/19/2012 |
| 132 | 4-aminoazobenzene   | 60-09-3     | 12/19/2012 |
| 133 | 4-methyl-m-phenylenediamine (toluene-2,4-diamine)   | 95-80-7     | 12/19/2012 |
| 134 | 6-methoxy-m-toluidine (p-cresidine)   | 120-71-8    | 12/19/2012 |
| 135 | Biphenyl-4-ylamine  | 92-67-1     | 12/19/2012 |
| 136 | o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]  | 97-56-3     | 12/19/2012 |
| 137 | o-toluidine   | 95-53-4     | 12/19/2012 |

|     |   |                           |            |
|-----|---|---------------------------|------------|
| 138 | N-methylacetamide   | 79-16-3                   | 12/19/2012 |
| 139 | Cadmium   | 7440-43-9                 | 6/20/2013  |
| 140 | Ammonium pentadecafluorooctanoate (APFO)  | 3825-26-1                 | 6/20/2013  |
| 141 | Pentadecafluorooctanoic acid (PFOA)   | 335-67-1                  | 6/20/2013  |
| 142 | Dipentyl phthalate (DPP)  | 131-18-0                  | 6/20/2013  |
| 143 | 4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] | --                        | 6/20/2013  |
| 144 | Cadmium oxide   | 1306-19-0                 | 6/20/2013  |
| 145 | Cadmium sulphide  | 1306-23-6                 | 12/16/2013 |
| 146 | Dihexyl phthalate   | 84-75-3                   | 12/16/2013 |
| 147 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)(C.I. Direct Red 28)   | 573-58-0                  | 12/16/2013 |
| 148 | Disodium 4-amino-3-[[4'-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7- disulphonate(C.I. Direct Black 38)   | 1937-37-7                 | 12/16/2013 |
| 149 | Imidazolidine-2-thione; 2-imidazoline-2-thiol   | 96-45-7                   | 12/16/2013 |
| 150 | Lead di(acetate)  | 301-04-2                  | 12/16/2013 |
| 151 | Trixylyl phosphate  | 25155-23-1                | 12/16/2013 |
| 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear  | 68515-50-4                | 6/16/2014  |
| 153 | Sodium perborate; perboric acid, sodium salt  | --                        | 6/16/2014  |
| 154 | Sodium peroxometaborate   | 7632-04-4                 | 6/16/2014  |
| 155 | Cadmium chloride  | 10108-64-2                | 6/16/2014  |
| 156 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)  | 25973-55-1                | 12/17/2014 |
| 157 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)  | 3846-71-7                 | 12/17/2014 |
| 158 | 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)  | --                        | 12/17/2014 |
| 159 | Cadmium fluoride  | 7790-79-6                 | 12/17/2014 |
| 160 | Cadmium sulphate  | 10124-36-4,<br>31119-53-6 | 12/17/2014 |
| 161 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)  | 15571-58-1                | 12/17/2014 |
| 162 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)   | 68515-51-5<br>68648-93-1  | 6/15/2015  |
| 163 | 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]   | --                        | 6/15/2015  |
| 164 | Nitrobenzene  | 98-95-3                   | 12/17/2015 |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)  | 3864-99-1                 | 12/17/2015 |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol   | 36437-37-3                | 12/17/2015 |

|      |   |                                     |            |
|------|---|-------------------------------------|------------|
|      | (UV-350)  |                                     |            |
| 167  | 1,3-propanesultone  | 1120-71-4                           | 12/17/2015 |
| 168  | Perfluorononan-1-oic-acid and its sodium and ammonium salts   | 375-95-1<br>21049-39-8<br>4149-60-4 | 12/17/2015 |
| 169  | Benzo[def]chrysene<br>(Benzo[a]pyrene)  | 50-32-8                             | 6/20/2016  |
| 170* | 4,4'-isopropylidenediphenol (Bisphenol A; BPA)  | 80-05-7                             | 1/12/2017  |
| 171  | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts  | 335-76-2<br>3830-45-3<br>3108-42-7  | 1/12/2017  |
| 172  | p-(1,1-dimethylpropyl)phenol  | 80-46-6                             | 1/12/2017  |
| 173  | 4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] | -                                   | 1/12/2017  |
| 174  | Perfluorohexane-1-sulphonic acid and its salts  | -                                   | 7/7/2017   |
| 175  | Chrysene  | 205-923-4                           | 1/15/2018  |
| 176  | Benz[a]anthracene   | 200-280-6                           | 1/15/2018  |
| 177  | Cadmium nitrate   | 233-710-6                           | 1/15/2018  |
| 178  | Cadmium hydroxide   | 244-168-5                           | 1/15/2018  |
| 179  | Cadmium carbonate   | 208-168-9                           | 1/15/2018  |
| 180  | 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]  | -                                   | 1/15/2018  |
| 181  | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]  | -                                   | 1/15/2018  |
| 182  | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)   | 552-30-7                            | 6/27/2018  |
| 183  | Benzo[ghi]perylene  | 191-24-2                            | 6/27/2018  |
| 184  | Decamethylcyclopentasiloxane  | 541-02-6                            | 6/27/2018  |
| 185  | Dicyclohexyl phthalate (DCHP)   | 84-61-7                             | 6/27/2018  |
| 186  | Disodium octaborate   | 12008-41-2                          | 6/27/2018  |
| 187  | Dodecamethylcyclohexasiloxane   | 540-97-6                            | 6/27/2018  |
| 188  | Ethylenediamine   | 107-15-3                            | 6/27/2018  |
| 189  | Lead  | 7439-92-1                           | 6/27/2018  |
| 190  | Octamethylcyclotetrasiloxane  | 556-67-2                            | 6/27/2018  |
| 191  | Terphenyl, hydrogenated   | 61788-32-7                          | 6/27/2018  |
| 192  | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one<br>3-benzylidene camphor; 3-BC  | 15087-24-8                          | 1/15/2019  |
| 193  | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane   | 6807-17-6                           | 1/15/2019  |
| 194  | Benzo[k]fluoranthene  | 207-08-9                            | 1/15/2019  |
| 195  | Fluoranthene  | 206-44-0;<br>93951-69-0             | 1/15/2019  |

|     |  |                        |           |
|-----|--|------------------------|-----------|
| 196 | Phenanthrene   | 85-01-8                | 1/15/2019 |
| 197 | Pyrene   | 129-00-0;<br>1718-52-1 | 1/15/2019 |
| 198 | 2-methoxyethyl acetate   | 110-49-6               | 7/16/2019 |
| 199 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)                                 | -                      | 7/16/2019 |
| 200 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) | -                      | 7/16/2019 |
| 201 | 4-tert-butylphenol   | 98-54-4                | 7/16/2019 |
| 202 | Perfluorobutane sulfonic acid (PFBS) and its salts   | -                      | 1/16/2020 |
| 203 | Diisohexyl phthalate   | 71850-09-4             | 1/16/2020 |
| 204 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (Morpholine derivative)   | 71868-10-5             | 1/16/2020 |
| 205 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone  | 119313-12-1            | 1/16/2020 |
| 206 | Dibutylbis(pentane-2,4-dionato-O,O')tin (DBTP)   | 22673-19-4             | 6/25/20   |
| 207 | butyl 4-hydroxybenzoate  | 94-26-8                | 6/25/20   |
| 208 | 2-methylimidazole  | 693-98-1               | 6/25/20   |
| 209 | 1-vinylimidazole   | 1072-63-5              | 6/25/20   |

\* Substance may be present in BGA substrate core material at  $>0.1\%$  of article weight as impurity - not intentionally added.

While our products do not currently fall within the scope of REACH's registration requirement, we continue to monitor the EU regulation for changes that may require our attention.

Lattice is fully supportive of the various industry efforts throughout the world to phase out the use of undesirable elements from electronic equipment materials and manufacturing processes. Lattice remains committed to continually reducing its impact on the world's natural environment, and we work closely with our customers and suppliers to identify and rapidly eliminate hazardous substances from our products.

Be assured that your business is greatly valued by Lattice Semiconductor and that we will do everything within our power to provide you with the highest level of service and support.

Regards,



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