

REACH 151 Substances

REGULATION (EC) No 1907/2006 CONCERNING THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH)

Cardinal Components confirms that none of its products or packaging contain any of the 151 Substances of Very High Concern (SVHC) on the REACH Candidate List, shown below, in a concentration above the 0.1% by weight allowable limit:

| No. | Substance | CAS No. |
|-----|-------------------------------------------------------------|------------|
| 1 | Anthracene | 120-12-7 |
| 2 | 4,4'- Diaminodiphenylmethane (or methylene dianiline) | 101-77-9 |
| 3 | Dibutyl phthalate (DBP) | 84-74-2 |
| 4 | Cobalt dichloride | 7646-79-9 |
| 5 | Diarsenic pentaoxide | 1303-28-2 |
| 6 | Diarsenic trioxide | 1327-53-3 |
| 7 | Sodium dichromate, dihydrate | 7789-12-0 |
| 8 | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) | 81-15-2 |
| 9 | Bis (2-ethylhexyl)phthalate (DEHP) | 117-81-7 |
| 10 | Hexabromocyclododecane (HBCDD) | 25637-99-4 |
| 11 | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 85535-84-8 |
| 12 | Bis(tributyltin)oxide (TBTO) | 56-35-9 |
| 13 | Lead hydrogen arsenate | 7784-40-9 |
| 14 | Benzyl butyl phthalate (BBP) | 85-68-7 |
| 15 | Triethyl arsenate | 15606-95-8 |
| 16 | Anthracene oil | 90640-80-5 |
| 17 | Anthracene oil, anthracene paste, distn. lights | 91995-17-4 |
| 18 | Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 |
| 19 | Anthracene oil, anthracene low | 90640-82-7 |
| 20 | Anthracene oil, anthracene paste | 90640-81-6 |
| 21 | Coal tar pitch, high temperature | 65996-93-2 |
| 22 | Acrylamide | 79-06-1 |
| 23 | Aluminosilicate, refractory ceramic fibres | |
| 24 | Zirconium aluminosilicate refractory ceramic fibres | |
| 25 | 2,4-dinitrotoluene | 121-14-2 |
| 26 | Di-isobutyl phthalate | 84-69-5 |
| 27 | Lead chromate | 7758-97-6 |
| 28 | Lead chromate molybdate sulphate red (C I Pigment Red 104) | 12656-85-8 |



CARDINAL COMPONENTS

| Wayne Interchange Plaza I 145 Route 46 West | | Wayne, New Jersey 07470 |
|---------------------------------------------|---------------------------------------------------------------------------------|--------------------------|
| 29 | Lead sulfochromate yellow (C I Pigment Yellow 34) | 1344-37-2 |
| 30 | Tris (2-chloroethyl) phosphate | 115-96-8 |
| 31 | Trichloroethylene | 79-01-6 |
| 32 | Boric acid | 10043-35-3 and 11113-50- |
| 33 | Disodium tetraborate anhydrous | 1303-96-4, 1330-43-4 and |
| 34 | | 12179-04-3 |
| 35 | Tetraboron disodium heptaoxide, hydrate | 12267-73-1 |
| 36 | Sodium chromate | 3/11/7775 |
| 37 | Potassium chromate | 7789-00-6 |
| 38 | Ammonium dichromate | 5/9/7789 |
| 39 | Potassium dichromate | 7778-50-9 |
| 40 | Cobalt(II) sulphate | 10124-43-3 |
| 41 | Cobalt(II) dinitrate | 10141-05-6 |
| 42 | Cobalt(II) carbonate | 513-79-1 |
| 43 | Cobalt(II) diacetate | 71-48-7 |
| 44 | 2-Methoxyethanol | 109-86-4 |
| 45 | 2-Ethoxyethanol | 110-80-5 |
| 46 | Chromium trioxide | 1333-82-0 |
| 47 | Chromic acid | 7738-94-5 |
| 48 | Dichromic acid | 13530-68-2 |
| 49 | 2-ethoxyethyl acetate | 111-15-9 |
| 50 | Strontium chromate | 2/6/7789 |
| 51 | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) | 68515-42-4 |
| 52 | Hydrazine | 302-01-2 |
| 53 | 1-methyl-2-pyrrolidone | 872-50-4 |
| 54 | 1,2,3-trichloropropane | 96-18-4 |
| 55 | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) | 71888-89-6 |
| 56 | 4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol) | 140-66-9 |
| 57 | 2-Methoxyaniline o-Anisidine | 90-04-0 |
| 58 | Arsenic acid | 7778-39-4 |
| 59 | Calcium arsenate | 7778-44-1 |
| 60 | Trilead diarsenate | 3687-31-8 |
| 61 | 1,2-Dichloroethane ethylene dichloride | 107-06-2 |
| 62 | Bis(2-methoxyethyl) ether | 111-96-6 |
| 63 | Bis(2-methoxyethyl) phthalate | 117-82-8 |
| 64 | N,N-dimethylacetamide (DMAC) | 127-19-5 |
| 65 | Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 25214-70-4 |
| 66 | Lead diazide Lead azide | 13424-46-9 |
| 67 | Lead styphnate | 15245-44-0 |

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| Wayne Interchange Plaza I 145 Route 46 West | | Wayne, New Jersey 07470 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 68 | 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | 101-14-4 |
| 69 | Dichromium tris(chromate) | 24613-89-6 |
| 70 | Potassium hydroxyoctaoxodizincatedichromate | 11103-86-9 |
| 71 | Pentazinc chromate octahydroxide | 49663-84-5 |
| 72 | Phenolphthalein | 77-09-8 |
| 73 | Lead dipicrate | 6477-64-1 |
| 74 | Formamide | 75-12-7 |
| 75 | [4-[[4-anilino-1-naphthyl][4 (dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) | 2580-56-5 |
| 76 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 |
| 77 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 90-94-8 |
| 78 | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) | 2451-62-9 |
| 79 | α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) | 6786-83-0 |
| 80 | Diboron trioxide | 1303-86-2 |
| 81 | 1,2-dimethoxyethane ethylene glycol dimethyl ether (EGDME) | 110-71-4 |
| 82 | Lead(II) bis(methanesulfonate) | 17570-76-2 |
| 83 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol | 561-41-1 |
| 84 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME triglyme) | 112-49-2 |
| 85 | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC) | 59653-74-6 |
| 86 | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) | 548-62-9 |
| 87 | Bis(pentabromophenyl) ether (decabromodiphenyl ether DecaBDE) | 1163-19-5 |
| 88 | Pentacosafuorotridecanoic acid | 72629-94-8 |
| 89 | Tricosafuorododecanoic acid | 307-55-1 |
| 90 | Henicosafuoroundecanoic acid | 2058-94-8 |
| 91 | Heptacosafuorotetradecanoic acid | 376-06-7 |
| 92 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 |
| 93 | Cyclohexane-1,2-dicarboxylic anhydride [1] | 85-42-7, |
| 94 | Cis-cyclohexane-1,2-dicarboxylic anhydride [2] | 13149-00-3, |
| 95 | Trans-cyclohexane-1,2-dicarboxylic anhydride [3] | 14166-21-3 |
| 96 | Hexahydromethylphthalic anhydride [1] | 25550-51-0, 1 |
| 97 | Hexahydro-4-methylphthalic anhydride [2] | 9438-60-9, |
| 98 | Hexahydro-1-methylphthalic anhydride [3] | 48122-14-1, |
| 99 | Hexahydro-3-methylphthalic anhydride [4] | 57110-29-9 |
| 100 | 4-Nonylphenol, branched and linear | |
| 101 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated | |
| 102 | Methoxyacetic acid | 625-45-6 |
| 103 | N,N-dimethylformamide | 68-12-2 |
| 104 | Dibutyltin dichloride (DBTC) | 683-18-1 |



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| 105 | Lead monoxide (Lead oxide) | | 1317-36-8 |
| 106 | Orange lead (Lead tetroxide) | | 1314-41-6 |
| 107 | Lead bis(tetrafluoroborate) | | 13814-96-5 |
| 108 | Trilead bis(carbonate)dihydroxide | | 1319-46-6 |
| 109 | Lead titanium trioxide | | 12060-00-3 |
| 110 | Lead titanium zirconium oxide | | 12626-81-2 |
| 111 | Silicic acid, lead salt | | 11120-22-2 |
| 112 | Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped | | 68784-75-8 |
| 113 | 1-bromopropane (n-propyl bromide) | | 106-94-5 |
| 114 | Methyloxirane (Propylene oxide) | | 75-56-9 |
| 115 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | | 84777-06-0 |
| 116 | Diisopentylphthalate (DIPP) | | 605-50-5 |
| 117 | N-pentyl-isopentylphthalate | | 776297-69-9 |
| 118 | 1,2-diethoxyethane | | 629-14-1 |
| 119 | Acetic acid, lead salt, basic | | 51404-69-4 |
| 120 | Lead oxide sulfate | | 12036-76-9 |
| 121 | [Phthalato(2-)]dioxotrilead | | 69011-06-9 |
| 122 | Dioxobis(stearato)trilead | | 12578-12-0 |
| 123 | Fatty acids, C16-18, lead salts | | 91031-62-8 |
| 124 | Lead cyanamidate | | 20837-86-9 |
| 125 | Lead dinitrate | | 10099-74-8 |
| 126 | Pentalead tetraoxide sulphate | | 12065-90-6 |
| 127 | Pyrochlore, antimony lead yellow | | 8012-00-8 |
| 128 | Sulfurous acid, lead salt, dibasic | | 62229-08-7 |
| 129 | Tetraethyllead | | 78-00-2 |
| 130 | Tetralead trioxide sulphate | | 12202-17-4 |
| 131 | Trilead dioxide phosphonate | | 12141-20-7 |
| 132 | Furan | | 110-00-9 |
| 133 | Diethyl sulphate | | 64-67-5 |
| 134 | Dimethyl sulphate | | 77-78-1 |
| 135 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | | 143860-04-2 |
| 136 | Dinoseb (6-sec-butyl-2,4-dinitrophenol) | | 88-85-7 |
| 137 | 4,4'-methylenedi- <i>o</i> -toluidine | | 838-88-0 |
| 138 | 4,4'-oxydianiline and its salts | | 101-80-4 |
| 139 | 4-aminoazobenzene | | 60-09-3 |
| 140 | 4-methyl- <i>m</i> -phenylenediamine (toluene-2,4-diamine) | | 95-80-7 |
| 141 | 6-methoxy- <i>m</i> -toluidine (p-cresidine) | | 120-71-8 |
| 142 | Biphenyl-4-ylamine | | 92-67-1 |
| 143 | <i>o</i> -aminoazotoluene [(4- <i>o</i> -tolylazo- <i>o</i> -toluidine)] | | 97-56-3 |

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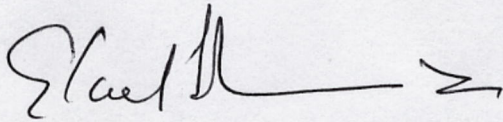
CARDINAL COMPONENTS

Wayne Interchange Plaza I

145 Route 46 West

Wayne, New Jersey 07470

| | | |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 144 | <i>o</i> -toluidine | 1306-19-0 |
| 145 | Cadmium sulphide | 1306-23-6 |
| 146 | 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 |
| 147 | Dihexyl phthalate | 84-75-3 |
| 148 | Imidazolidine-2-thione; (2-imidazoline-2-thiol) | 96-45-7 |
| 149 | Trixylyl phosphate | 25155-23-1 |
| 150 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | 573-58-0 |
| 151 | Lead di(acetate) | 301-04-2 |



Signed E. Carl Fabend.....

Title... President

Date... January 15, 2014.....

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