

**Micro Commercial Components Corp.**

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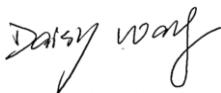
**Certificate of REACH Compliance**

Micro Commercial Components Corp. (MCC) is aware of REACH as a European Community regulation on chemicals. Currently MCC supports the underlying goals of REACH, which are consistent with our own commitment to promote the responsible manufacturing, use and handling of hazardous materials and substances.

After careful review of the legislation and specifically the definition of an “article” as defined in EC Regulation 1907/2006, Title II, Chapter 1, Article 7.1(a)(b), it is our current view MCC products would be considered as “articles”. In light of the definition in §7.1(b) which requires registration of an article only if it contains a regulated substance that “is intended to be released under normal or reasonably foreseeable conditions of use,” MCC products constitute non-registrable articles for their intended and anticipated use analyzed from the third-party report.

Micro Commercial Components Corp. (MCC) hereby certifies that all epoxy capsulated package devices manufactured by MCC meet the substance restrictions specified in Annex XVII of Regulation (EC) No. 1907/2006 (REACH), do not contain substances on the REACH 250 SVHC candidate list in concentrations greater than 0.1% by weight per article, except Lead\*(Pls see note below Table 1 List of Substance of Very High Concern) .

*Sincerely,*  
**Micro Commercial Components**

Mrs. 

Daisy Wang  
QA Manager

Date: Jun.30,2025

## Table 1 List of Substance of Very High Concern

### The First Batch of SVHC List (Published on Oct 28,2008,total 15)

| Item | SVHC                                                                                                                          | CAS                         |
|------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 1    | 4,4-Diaminodiphenylmethane                                                                                                    | 101-77-9                    |
| 2    | 5-tert-butyl-2,4,6-trinitro-m-xylene                                                                                          | 81-15-2                     |
| 3    | Alkane, C10-13, chloro (Short Chain Chlorinated Pafaffins)                                                                    | 85535-84-8                  |
| 4    | Anthracene                                                                                                                    | 120-12-7                    |
| 5    | Diarsenic pentaoxide                                                                                                          | 1303-28-2                   |
| 6    | Diarsenic trioxide                                                                                                            | 1327-53-3                   |
| 7    | Bis(2-ethylhexyphthalate)(DEHP)                                                                                               | 117-81-7                    |
| 8    | Bis(tributyltin)oxide                                                                                                         | 56-35-9                     |
| 9    | Benzyl butyl phthalate(BBP)                                                                                                   | 85-68-7                     |
| 10   | Cobalt dichloride                                                                                                             | 7646-79-9                   |
| 11   | Dibutyl phthalate(DBP)                                                                                                        | 84-74-2                     |
| 12   | Hexabromocyclododecane(HBCDD) and all major diastereoispmers<br>Identified( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) | 25637-99-4 and<br>3194-55-6 |
| 13   | Lead hydrogen arsenate                                                                                                        | 7784-40-9                   |
| 14   | Sodium dicromate                                                                                                              | 7789-12-0<br>10588-01-9     |
| 15   | Triethyl arsenate                                                                                                             | 15606-95-8                  |

### The Second Batch of SVHC List (Published on Jan 13,2010,total 13)

| Item | SVHC                                                     | CAS        |
|------|----------------------------------------------------------|------------|
| 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   | Tris(2-chloroethyl)phosphate                             | 115-96-8   |
| 23   | 2,4-Dinitrotoluene                                       | 121-14-2   |
| 24   | Diisobutyl phthalate                                     | 84-69-5    |
| 25   | Lead Chromate Molybdate Sulfate red(C.I Pigment Red 104) | 12656-85-8 |
| 26   | Lead Sulfochromate yellow(C.I.Pigment Yellow 34)         | 1344-37-2  |
| 27   | Lead Chromate                                            | 7758-97-6  |
| 28   | Acrylamide                                               | 79-06-01   |

### The Third Batch of SVHC List (Published on June 18,2010,total 8)

| Item | SVHC                                   | CAS                      |
|------|----------------------------------------|--------------------------|
| 29   | Trichloroethylene                      | 79-01-6                  |
| 30   | Boric acid                             | 10043-35-3<br>11113-50-1 |
| 31   | Disodium tetraborate, anhydrou         | 1330-43-4                |
| 32   | Tetraboron disodium heptaoxide hydrate | 12267-73-1               |
| 33   | Sodium chromate                        | 7775-11-3                |
| 34   | Potassium chromate                     | 7789-00-6                |
| 35   | Ammonium dichromate                    | 7789-09-5                |
| 36   | Potassium dichromate                   | 7778-50-9                |

### The Four Batch of SVHC List (Published on December 15,2010,total 8)

| Item | SVHC                                                                            | CAS                     |
|------|---------------------------------------------------------------------------------|-------------------------|
| 37   | Carbalt(II) sulphate                                                            | 10124-43-3              |
| 38   | Carbalt(II) dinitrate                                                           | 10141-05-6              |
| 39   | Cobalt(II) carbonate                                                            | 513-79-1                |
| 40   | Carbalt(II) diacetate                                                           | 71-48-7                 |
| 41   | 2-Methoxyethanol                                                                | 109-86-4                |
| 42   | 2-Ethoxyethanol                                                                 | 110-80-5                |
| 43   | Chromium trioxide                                                               | 1333-82-0               |
| 44   | Chromic acid<br>Oligomers of chromic acid and dichromic acid,<br>Dichromic acid | 7738-94-5<br>13530-68-2 |

### The Five Batch of SVHC List (Published on June 20,2011,total 7)

| Item | SVHC                                                                              | CAS                   |
|------|-----------------------------------------------------------------------------------|-----------------------|
| 45   | 2-Ethoxyethyl acetate                                                             | 111-15-9              |
| 46   | Strontium chromate                                                                | 7789-6-2              |
| 47   | 1,2-Benzenedicarboxylic acid,<br>di-C7-11-branched and linear alkyl esters(DHNUP) | 68515-42-4            |
| 48   | Hydrazine                                                                         | 302-01-2<br>7803-57-8 |
| 49   | 1-methyl-2-pyrrolidone                                                            | 872-50-4              |
| 50   | 1,2,3-Trichloropropane                                                            | 96-18-4               |
| 51   | 1,2-Benzenedicarboxylic acid,di-C6-8-branched alkyl esters,<br>C7-rich (DIHP)     | 71888-89-6            |

### The Six Batch of SVHC List (Published on December 19,2011,total 20)

| Item | SVHC                                                                    | CAS        |
|------|-------------------------------------------------------------------------|------------|
| 52   | Dichromium tris(chromate)                                               | 24613-89-6 |
| 53   | Potassium hydroxyoctaoxodizincatedichromate                             | 11103-86-9 |
| 54   | Pentazinc chromate octahydroxide                                        | 49663-84-5 |
| 55   | Aluminosilicate Refractory Ceramic Fibres (RCF)                         | -          |
| 56   | Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)             | -          |
| 57   | Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 25214-70-4 |
| 58   | Bis(2-methoxyethyl) phthalate                                           | 117-82-8   |
| 59   | 2-Methoxyaniline o-Anisidine                                            | 90-04-0    |
| 60   | 4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)                | 140-66-9   |
| 61   | 1,2-Dichloroethane                                                      | 107-06-2   |
| 62   | Bis(2-methoxyethyl) ether                                               | 111-96-6   |
| 63   | Arsenic acid                                                            | 7778-39-4  |
| 64   | Calcium arsenate                                                        | 7778-44-1  |
| 65   | Trilead diarsenate                                                      | 3687-31-8  |
| 66   | N,N-dimethylacetamide(DMAC)                                             | 127-19-5   |
| 67   | 2,2'-dichloro-4,4'-methylenedianiline(MOCA)                             | 101-14-4   |
| 68   | Phenolphthalein                                                         | 77-09-8    |
| 69   | Lead azide Lead diazide                                                 | 13424-46-9 |
| 70   | Lead styphnate                                                          | 15245-44-0 |
| 71   | Lead dipicrate                                                          | 6477-64-1  |

### The Seventh Batch of SVHC List (Published on June 18,2012,total 13)

| Item | SVHC                                                                                          | CAS        |
|------|-----------------------------------------------------------------------------------------------|------------|
| 72   | 1,2-bis(2-methoxyethoxy)ethane(TEGDME;triglyme)                                               | 112-49-2   |
| 73   | 1,2-dimethoxyethane;ethylene glycol dimethyl ether(EGDME)                                     | 110-71-4   |
| 74   | Diboron trioxide(Note:Except Glass Package Products)                                          | 1303-86-2  |
| 75   | Formamide                                                                                     | 75-12-7    |
| 76   | Lead(II) bis(methanesulfonate)                                                                | 17570-76-2 |
| 77   | 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC)                       | 2451-62-9  |
| 78   | $\beta$ -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 |

### The Seventh Batch of SVHC List (Published on June 18,2012,total 13)

| Item | SVHC                                                                                                                | CAS       |
|------|---------------------------------------------------------------------------------------------------------------------|-----------|
| 79   | 4,4'-bis(dimethylamino)benzophenone(Michler's ketone)                                                               | 90-94-8   |
| 80   | N,N,N',N'-tetramethyl-4,4'-methylenedianiline(Michler's base)                                                       | 101-61-1  |
| 81   | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride | 2580-56-5 |
| 82   | [4-4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,t-dien-1 -ylidene]dimethylammonium                           | 548-62-9  |
| 83   | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol                                                             | 561-41-1  |
| 84   | $\alpha,\alpha$                                                                                                     | 6786-83-0 |

### The Eighth Batch of SVHC List (Published on December 19,2012,total 54)

| Item | SVHC                                                                                                                                                      | CAS                                                  |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| 85   | Bis(pentabromophenyl) ether (DecaBDE)                                                                                                                     | 1163-19-5                                            |
| 86   | Pentacosafuorotridecanoic acid                                                                                                                            | 72629-94-8                                           |
| 87   | Tricosafuorododecanoic acid                                                                                                                               | 307-55-1                                             |
| 88   | Henicosafuoroundecanoic acid                                                                                                                              | 2058-94-8                                            |
| 89   | Heptacosafuorotetradecanoic acid                                                                                                                          | 376-06-7                                             |
| 90   | C,C'-azodi(formamide)                                                                                                                                     | 123-77-3                                             |
| 91   | Cyclohexane-1,2-dicarboxylic anhydride                                                                                                                    | 85-42-7<br>13149-00-3<br>14166-21-3                  |
| 92   | Hexahydromethylphthalic anhydride<br>Hexahydro-4-methylphthalic anhydride<br>Hexahydro-1-methylphthalic anhydride<br>Hexahydro-3-methylphthalic anhydride | 25550-51-0<br>19438-60-9<br>48122-14-1<br>57110-29-9 |
| 93   | 4-Nonylphenol, branched and linear                                                                                                                        | -                                                    |
| 94   | 4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated                                                                                                           | -                                                    |
| 95   | Methoxyacetic acid                                                                                                                                        | 625-45-6                                             |
| 96   | N,N-dimethylformamide                                                                                                                                     | 68-12-2                                              |
| 97   | Dibutyltin dichloride                                                                                                                                     | 683-18-1                                             |
| 98   | Lead monoxide(Note:Except Glass Package Products)                                                                                                         | 1317-36-8                                            |
| 99   | Lead tetroxide                                                                                                                                            | 1314-41-6                                            |
| 100  | Lead bis(tetrafluoroborate)                                                                                                                               | 13814-96-5                                           |

**The Eighth Batch of SVHC List (Published on December 19,2012,total 54)**

| Item | SVHC                                                            | CAS         |
|------|-----------------------------------------------------------------|-------------|
| 101  | Trilead bis(carbonate)dihydroxide                               | 1319-46-6   |
| 102  | Lead titanium trioxide                                          | 12060-00-3  |
| 103  | Lead Titanium Zirconium Oxide                                   | 12626-81-2  |
| 104  | Silicic acid, lead salt                                         | 11120-22-2  |
| 105  | Silicic acid, barium salt, lead-doped                           | 68784-75-8  |
| 106  | 1-Bromopropane                                                  | 106-94-5    |
| 107  | Propylene oxide                                                 | 75-56-9     |
| 108  | 1,2-Benzenedicarboxylic acid,dipentylester, branched and linear | 84777-06-0  |
| 109  | Diisopentylphthalate (DIPP)                                     | 605-50-5    |
| 110  | N-pentyl-isopentylphthalate                                     | 776297-69-9 |
| 111  | 1,2-Diethoxyethane                                              | 629-14-1    |
| 112  | Acetic acid, lead salt, basic                                   | 51404-69-4  |
| 113  | Lead oxide sulphate                                             | 12036-76-9  |
| 114  | [Phthalato(2-)]dioxotrilead                                     | 69011-06-9  |
| 115  | Dioxobis(stearato)trilead                                       | 12578-12-0  |
| 116  | Fatty acids, C16-18, lead salts                                 | 91031-62-8  |
| 117  | Lead cyanamidate                                                | 20837-86-9  |
| 118  | Lead dinitrate                                                  | 10099-74-8  |
| 119  | Pentalead tetraoxide sulphate                                   | 12065-90-6  |
| 120  | Pyrochlore, antimony lead yellow                                | 8012-00-8   |
| 121  | Sulfurous acid, lead salt, dibasic                              | 62229-08-7  |
| 122  | Tetraethyllead                                                  | 78-00-2     |
| 123  | Tetralead trioxide sulphate                                     | 12202-17-4  |
| 124  | Trilead dioxide phosphonate                                     | 12141-20-7  |
| 125  | Furan                                                           | 110-00-9    |
| 126  | Diethyl sulphate                                                | 64-67-5     |
| 127  | Dimethyl sulphate                                               | 77-78-1     |

### The Eighth Batch of SVHC List (Published on December 19,2012,total 54)

| Item | SVHC                                                     | CAS         |
|------|----------------------------------------------------------|-------------|
| 128  | 3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine       | 143860-04-2 |
| 129  | 6-sec-butyl-2,4-dinitrophenol                            | 88-85-7     |
| 130  | 4,4'-methylenedi- <i>o</i> -toluidine                    | 838-88-0    |
| 131  | 4,4'-oxydianiline and its salts                          | 101-80-4    |
| 132  | 4-aminoazobenzene                                        | 60-09-3     |
| 133  | 4-methl- <i>m</i> -phenylenediamine(toluene-2,4-diamine) | 95-80-7     |
| 134  | 6-methoxy- <i>m</i> -toluidine( <i>p</i> -cresidine)     | 120-71-8    |
| 135  | Biphenyl-4-ylamine                                       | 92-67-1     |
| 136  | <i>o</i> -aminoazotoluene                                | 97-56-3     |
| 137  | <i>o</i> -toluidine                                      | 95-53-4     |
| 138  | N-methylacetamide                                        | 79-16-3     |

### The Ninth Batch of SVHC List (Published on June 20,2013,total 6)

| Item | SVHC                                          | CAS       |
|------|-----------------------------------------------|-----------|
| 139  | Cadmium                                       | 7440-43-9 |
| 140  | Cadmium oxide                                 | 1306-19-0 |
| 141  | Ammonium pentadecafluorooctanoate(AP )        | 3825-26-1 |
| 142  | Pentadecafluorooctanoic acid(P A)             | 335-67-1  |
| 143  | Dipentyl phthalate(DPP)                       | 131-18-0  |
| 144  | 4-Nonylphenol,branched and linear,ethoxylated | -         |

### The Tenth Batch of SVHC List (Published on December 16,2013,total 7)

| Item | SVHC                                                                                                                                               | CAS        |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 145  | Cadmium sulphide                                                                                                                                   | 1306-23-6  |
| 146  | Dihexyl phthalate                                                                                                                                  | 84-75-3    |
| 147  | 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)(C.I. Direct Red 28)                                                   | 573-58-0   |
| 148  | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)aphthalene-2,7-disulphonate(C.I. Direct Black 38) | 1937-37-7  |
| 149  | Imidazolidine-2-thione; 2-imidazoline-2-thiol                                                                                                      | 96-45-7    |
| 150  | Lead di(acetate)                                                                                                                                   | 301-04-2   |
| 151  | Trixylyl phosphate                                                                                                                                 | 25155-23-1 |

**List of The Eleventh Batch of SVHC(Published on June 16,2014,total 4)**

| Item | SVHC                                                             | CAS        |
|------|------------------------------------------------------------------|------------|
| 152  | Cadmium chloride                                                 | 10108-64-2 |
| 153  | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 |
| 154  | Sodium peroxometaborate                                          | 7632-04-4  |
| 155  | Sodium perborate; perboric acid, sodium salt                     | -          |

**List of The Twelfth Batch of SVHC(Published on December 17,2014,total 6)**

| Item | SVHC                                                                                                                                                                                                                                                         | CAS                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 156  | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)                                                                                                                                                                                                         | 3846-71-7                |
| 157  | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol(UV-328)                                                                                                                                                                                                      | 25973-55-1               |
| 158  | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(D T )                                                                                                                                                                        | 15571-58-1               |
| 159  | Cadmium fluoride                                                                                                                                                                                                                                             | 7790-79-6                |
| 160  | Cadmium sulphate                                                                                                                                                                                                                                             | 10124-36-4<br>31119-53-6 |
| 161  | Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl) oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of D T and M T ) | -                        |

**List of The Thirteenth Batch of SVHC(Published on June 15,2015,total 2)**

| Item | SVHC                                                                                                                                                                                                                                  | CAS                      |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 162  | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with 0.3 of dihexyl phthalate ( C No. 201-559-5)                                                          | 68515-51-5<br>68648-93-1 |
| 163  | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1],<br>5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [coer in any of the individual isomers of [1] and [2] or any combination thereof] | -                        |



**List of The Fourteenth Batch of SVHC(Published on December 17,2015,total 5)**

| Item | SVHC                                                                | CAS                                 |
|------|---------------------------------------------------------------------|-------------------------------------|
| 164  | 1,3-propanesultone                                                  | 1120-71-4                           |
| 165  | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(UV-327)       | 3864-99-1                           |
| 166  | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350) | 36437-37-3                          |
| 167  | Nitrobenzene                                                        | 98-95-3                             |
| 168  | Perfluorononan-1-oic acid                                           | 375-95-1<br>21049-39-8<br>4149-60-4 |

**List of The Fifteenth Batch of SVHC(Published on June 20,2016,total 1)**

| Item | SVHC                                | CAS     |
|------|-------------------------------------|---------|
| 169  | Benzo[def]chrysene(Be nzo[a]pyrene) | 50-32-8 |

**List of The Sixteenth Batch of SVHC(Published on December 19,2016,total 4)**

| Item | SVHC                                                                                                                                                                                                                                                                                              | CAS                                |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 170  | 4,4'-isopropylidenediphenol (bisphenol A)                                                                                                                                                                                                                                                         | 80-05-7                            |
| 171  | 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] | -                                  |
| 172  | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts                                                                                                                                                                                                                              | 3108-42-7<br>335-76-2<br>3830-45-3 |
| 173  | p-(1,1-dimethylpropyl)phenol                                                                                                                                                                                                                                                                      | 80-46-6                            |

**List of The Seventeenth Batch of SVHC(Published on July 6 ,2017,total 1)**

| Item | SVHC                                                   | CAS      |
|------|--------------------------------------------------------|----------|
| 174  | Perfluorohexane-1-sulphonic acid and its salts (PFHxS) | 355-46-4 |

**List of The Eighteenth Batch of SVHC(Published on January 15 ,2017,total 7)**

| Item | SVHC                                                                                                              | CAS       |
|------|-------------------------------------------------------------------------------------------------------------------|-----------|
| 175  | Dechlorane Plus(TM) and reaction products of 1,3,4-thiadiazolidine-2,5-dithione                                   | -         |
| 176  | benz[a]anthracene                                                                                                 | 200-280-6 |
| 177  | cadmium nitrate                                                                                                   | 233-710-6 |
| 178  | cadmium carbonate                                                                                                 | 208-168-9 |
| 179  | cadmium hydroxide                                                                                                 | 244-168-5 |
| 180  | chrysene                                                                                                          | 205-923-4 |
| 181  | formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear] | -         |

**List of The Nineteenth Batch of SVHC(Published on June 27 ,2018,total 10)**

| Item | SVHC                                                                                                            | CAS        |
|------|-----------------------------------------------------------------------------------------------------------------|------------|
| 182  | Octamethylcyclotetrasiloxane (D4)                                                                               | 556-67-2   |
| 183  | Decamethylcyclopentasiloxane (D5)                                                                               | 541-02-6   |
| 184  | Dodecamethylcyclohexasiloxane (D6)                                                                              | 540-97-6   |
| 185  | Lead (Note:Some products contain lead due to process problems , and we have active disclosure on our Datasheet) | 7439-92-1  |
| 186  | Disodium octaborate                                                                                             | 12008-41-2 |
| 187  | Benzo[ghi]perylene                                                                                              | 191-24-2   |
| 188  | Terphenyl hydrogenated                                                                                          | 61788-32-7 |
| 189  | Ethylenediamine (EDA)                                                                                           | 107-15-3   |
| 190  | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)                                    | 552-30-7   |
| 191  | Dicyclohexyl phthalate (DCHP)                                                                                   | 84-61-7    |

**List of The Twentieth Batch of SVHC(Published on January 15 ,2019,total 6)**

| Item | SVHC                                                            | CAS        |
|------|-----------------------------------------------------------------|------------|
| 192  | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane                       | 6807-17-6  |
| 193  | Benzo[k]fluoranthene                                            | 207-08-9   |
| 194  | Fluoranthene                                                    | 206-44-0   |
| 195  | Phenanthrene                                                    | 85-01-8    |
| 196  | Pyrene                                                          | 129-00-0   |
| 197  | 1,7,7-trimethyl-3-(phenylmethylene)-bicyclo-[2.2.1]heptan-2-one | 15087-24-8 |

**List of The Twenty-first Batch of SVHC(Published on July 16 ,2019,total 4)**

| Item | SVHC                                                                                                                                                         | CAS      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 198  | 2-methoxyethyl acetate                                                                                                                                       | 110-49-6 |
| 199  | Tris(4-nonylphenyl,branched and linear) phosphite(TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear(4-NP)                                          | -        |
| 200  | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides(covering any of their individual isomers and combinations thereof) | -        |
| 201  | 4-tert-butylphenol                                                                                                                                           | 98-54-4  |

**List of The Twenty-second Batch of SVHC(Published on January 16 ,2020,total 4)**

| Item | SVHC                                                     | CAS         |
|------|----------------------------------------------------------|-------------|
| 202  | Diisohexyl phthalate                                     | 71850-09-4  |
| 203  | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone      | 119313-12-1 |
| 204  | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 71868-10-5  |
| 205  | Perfluorobutane sulfonic acid (PFBS) and its salts       | -           |

**List of The Twenty-third Batch of SVHC(Published on June 25 ,2020,total 4)**

| Item | SVHC                                    | CAS        |
|------|-----------------------------------------|------------|
| 207  | 1-Vinylimidazole                        | 1072-63-5  |
| 207  | 2-Methylimidazole                       | 693-98-1   |
| 208  | Dibutylbis(pentane-2,4-dionato-O,O')tin | 22673-19-4 |
| 209  | Butyl 4-hydroxybenzoate                 | 94-26-8    |

**List of The Twenty-fourth Batch of SVHC(Published on January 19 ,2021,total 2)**

| Item | SVHC                                                                                                                                                                                                         | CAS      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 210  | Bis(2-(2-methoxyethoxy)ethyl) ether -                                                                                                                                                                        | 143-24-8 |
| 211  | Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety | -        |

**List of The Twenty-fifth Batch of SVHC(Published on April 23 ,2021,total 8)**

| Item | SVHC                                                                                                                                                      | CAS        |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 212  | 1,4-dioxane                                                                                                                                               | 123-91-1   |
| 213  | 2,2-bis(bromomethyl)-1,3-propanediol(BMP); Tbnpa; 2,3-dibromo-1-propanol(2,3-dbpa)                                                                        | 56-35-9    |
| 214  | 2-(4-tert-butylbenzyl) propanol and its stereoisomers                                                                                                     | -          |
| 215  | Bisphenol B (BPb)                                                                                                                                         | 77-40-7    |
| 216  | Glutaraldehyde                                                                                                                                            | 111-30-8   |
| 217  | Medium chain chlorinated paraffins (MCCP) (uvcb substance, consisting of more than 80% linear chloroalkanes with carbon chain length between C14 and C17) | -          |
| 218  | Sodium borate                                                                                                                                             | 13840-56-7 |
| 219  | Alkylphenols, whose carbon chain(C12-based, straight or branched) is mainly in the para position, including any single isomer or combination(PDDP)        | -          |

**List of The Twenty-sixth Batch of SVHC(Published on September 3 ,2021,total 5)**

| Item | SVHC                                                                                                                                                              | CAS         |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 220  | (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)            | -           |
| 221  | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)                                                                                                               | 119-47-1    |
| 222  | S-(tricyclo[5.2.1.0' <sup>2</sup> .6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 255881-94-8 |
| 223  | tris(2-methoxyethoxy)vinylsilane                                                                                                                                  | 1067-53-4   |

**List of The Twenty-seventh Batch of SVHC(Published on Jun 10 ,2022,total 1)**

| Item | SVHC                        | CAS      |
|------|-----------------------------|----------|
| 224  | N-(hydroxymethyl)acrylamide | 924-42-5 |

**List of The Twenty-eighth Batch of SVHC(Published on Jan 17 ,2023,total 9)**

| Item | SVHC                                                                                                                                                          | CAS        |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 225  | 1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene]                                                                                                        | 37853-59-1 |
| 226  | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol                                                                                                              | 79-94-7    |
| 227  | 4,4'-sulphonyldiphenol                                                                                                                                        | 80-09-1    |
| 228  | Barium diboron tetraoxide                                                                                                                                     | 13701-59-2 |
| 229  | Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof                                                      | -          |
| 230  | Isobutyl 4-hydroxybenzoate                                                                                                                                    | 4247-02-03 |
| 231  | Melamine                                                                                                                                                      | 108-78-1   |
| 232  | Perfluoroheptanoic acid and its salts                                                                                                                         | -          |
| 233  | reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine | -          |

**List of The Twenty-ninth Batch of SVHC(Published on Jun 14 ,2023,total 2)**

| Item | SVHC                                            | CAS        |
|------|-------------------------------------------------|------------|
| 234  | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 75980-60-8 |
| 235  | Bis(4-chlorophenyl) sulphone                    | 80-07-9    |

**List of The Thirtieth Batch of SVHC(Published on January 23 ,2024,total 5)**

| Item | SVHC                                                                                 | CAS         |
|------|--------------------------------------------------------------------------------------|-------------|
| 236  | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol       | -           |
| 237  | Bumetrizole (UV-326)                                                                 | 3896-11-5   |
| 238  | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 119344-86-4 |
| 239  | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)                 | 3147-75-9   |
| 240  | 2,4,6-tri-tert-butylphenol                                                           | 732-26-3    |

**List of The Thirty-first Batch of SVHC(Published on June 27 ,2024,total 1)**

| Item | SVHC                             | CAS     |
|------|----------------------------------|---------|
| 241  | Bis(α,α-dimethylbenzyl) peroxide | 80-43-3 |

**List of The Thirty-second Batch of SVHC(Published on November 7 ,2024,total 1)**

| Item | SVHC                | CAS      |
|------|---------------------|----------|
| 242  | Triphenyl Phosphate | 115-86-6 |

**List of The Thirty-third Batch of SVHC(Published on January 21 ,2025,total 5)**

| Item | SVHC                                                                               | CAS          |
|------|------------------------------------------------------------------------------------|--------------|
| 243  | 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid  | 2156592-54-8 |
| 244  | O,O,O-triphenyl phosphorothioate                                                   | 597-82-0     |
| 245  | Octamethyltrisiloxane                                                              | 107-51-7     |
| 246  | Perfluamine                                                                        | 338-83-0     |
| 247  | Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives | 192268-65-8  |

### List of The Thirty-fourth Batch of SVHC(Published on June 25 ,2025,total 3)

| Item | SVHC                                                                                                                                                                                                                                                                                               | CAS                   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 248  | (1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane)                                                                                                                                                                                                                                     | 17928-28-8            |
| 249  | Decamethyltetrasiloxane                                                                                                                                                                                                                                                                            | 141-62-8              |
| 250  | Tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-{2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazanyl]-5-methoxyphenyl]diazanyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51 | 466-490-7<br>(EC No.) |

#### Note:

Lead\*(EC number 231-100-4, CAS number 7439-92-1) is used in some solder type products. In such cases the lead is RoHS exempted with 7a-I (Lead in high melting temperature type solders). It shall be noted that, in the REACH Regulation, substances called SVHC are specified as candidate substances for authorization based on Article 59(1), and are not regarded as banned substances. If present, Lead is declared in the table 2 List of packages containing lead.

### Table 2 List of packages containing lead

| Devices Type              | Detail Packages list                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Axial Plastic Devices     | R-1,R-3,R-6,A-405,DO-41,DO-15,DO-201AD,DO-201AE, T-18,LEADED BUTTON,PRESSFIT                                                                                                                                                                                                                                                                                                                                                                         |
| SMD Plastic Devices       | DO-218AB,DPAK,D2-PAK,LMBS-1,MBS-1,MELF,HSMA,HSMB,HSMC,RA, SRA,SDB-1,SMAE,SMA,SMB,SMC,SOD-123FL,SOD-123HT, SMAL,SMBF,SMG,SMPA,TO-262,TO-262L,SMA-FL,SMAG,SMBG,SMCG, RA BUTTON,SRA BUTTON,TO-277A,TO-277B,SDBL-1,MBLS-1,DO-218AB, SOD-323F,SOD-123HE,SOD-123HE1,SOD-323HE, TBS, TBSL, TBL , TO-277, SOD-323FH,TOLL,DFN3333,DFN5060,SME,SMG                                                                                                             |
| THRO-HOLE Plastic Devices | TO-126,TO-220AB,,TO-220AC,ITO-220AB,ITO-220AC,TO-220AB(H) , ITO-220,TO-220,TO-220F,TO-247,TO-247AB,TO-247AC, TO-247AD, TO-3P,TO-220,BUTTON,TO-18,TO-39,TO-3,TO-66,TO-262,TO-262L, RB-5,WOM,WOL,BR-6,BR-8D,KBP,KBPL,KBPC,KBPM,KBU,KBJ,KBJL, PB-3,PB-6,PB-10,GBU,GBJ,GBJL,GBL,GBP,GBPC,GBPC-W,GBPC-H,RS-1, RS-4L,RS-4M,RS-6,RS-6M,DBL-1,TO-251,TO-251S,D3K,RS-15M,RS-20M, RS-25M,MB-35(W),MP-50(W),MT, DB-1,MB-1,KBPR,AK, MT-35A, JB, JA, D3K,TSB-5,AK |
| MODULE                    | FJ,F1,F2,F3,F4,D1,D2,D3,D4,L1,L2,M1,M2,M3,M4,M5,T1,T2,D1N, C1,C2,E1,E2,E1A,E2A,W1,W2,W3,W4                                                                                                                                                                                                                                                                                                                                                           |