



飛宏科技股份有限公司

## 第三十批 REACH 物質新增公告

歐洲化學總署(ECHA)於 2024 年 01 月 23 日 公告第三十批候選清單(共新增 5 項高度關切物質)，目前 REACH 管制物質總計共有 240 項。

詳細管控物質清單請參考歐洲化學總署(ECHA)網站: <https://echa.europa.eu/web/guest/candidate-list-table>

對於 REACH 所定義的 SVHC,飛宏科技股份有限公司自 2009 年 8 月 1 日起，將全面停用含有 REACH 附錄 17 禁限用物質及附錄 14 之 SVHC 高關注物質含量超過 0.1% (SVHC/Article,w/w) 的料件。

針對第三十批高關注物質導入時間點乃依照歐洲化學總署(ECHA)公告時程為準。

備註: REACH 所定義 SVHC 請參照附件

### REACH SVHC Substance

|              | No. | Substance name  | CAS No.  | EC No.                  | Date of inclusion      |
|--------------|-----|---|--|-------------------------|------------------------|
| <b>SVHC1</b> | 1   | Triethyl arsenate   | 15606-95-8   | 427-700-2               | 28.10.08               |
|              | 2   | Anthracene  | 120-12-7   | 204-371-1               | 28.10.08               |
|              | 3   | 4,4'- Diaminodiphenylmethane (MDA)  | 101-77-9   | 202-974-4               | 28.10.08               |
|              | 4   | Dibutyl phthalate (DBP)   | 84-74-2  | 201-557-4               | 28.10.08<br>17.12.2014 |
|              | 5   | Cobalt dichloride   | 7646-79-9  | 231-589-4               | 28.10.08               |
|              | 6   | Diarsenic pentaoxide  | 1303-28-2  | 215-116-9               | 28.10.08               |
|              | 7   | Diarsenic trioxide  | 1327-53-3  | 215-481-4               | 28.10.08               |
|              | 8   | Sodium dichromate   | 7789-12-0,<br>10588-01-9   |                         | 28.10.08               |
|              | 9   | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)                        | 81-15-2  | 201-329-4               | 28.10.08               |
|              | 10  | Bis (2-ethylhexyl)phthalate (DEHP)  | 117-81-7   | 204-211-0               | 28.10.08<br>17.12.2014 |
|              | 11  | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: | 25637-99-4,<br>3194-55-6,<br>134237-50-6<br>,<br>134237-51-7<br>,<br>134237-52-8 | 247-148-4,<br>221-695-9 | 28.10.08               |
|              | 12  | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)               | 85535-84-8   | 287-476-5               | 28.10.08               |
|              | 13  | Bis(tributyltin)oxide (TBTO)  | 56-35-9  | 200-268-0               | 28.10.08               |
|              | 14  | Lead hydrogen arsenate  | 7784-40-9  | 232-064-2               | 28.10.08               |
|              | 15  | Benzyl butyl phthalate (BBP)  | 85-68-7  | 201-622-7               | 28.10.08<br>17.12.2014 |

|              | No. | Substance name  | CAS No.    | EC No.    | Date of inclusion        |
|--------------|-----|---|------------|-----------|--------------------------|
| <b>SVHC2</b> | 16  | Anthracene oil  | 90640-80-5 | 292-602-7 | 18.12.2009               |
|              | 17  | Anthracene oil, anthracene paste, distn. lights *     | 91995-17-4 | 295-278-5 | 18.12.2009               |
|              | 18  | Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 | 295-278-9 | 18.12.2009               |
|              | 19  | Anthracene oil, anthracene-low                        | 90640-82-7 | 292-604-8 | 18.12.2009               |
|              | 20  | Anthracene oil, anthracene paste                      | 90640-81-6 | 292-603-2 | 18.12.2009               |
|              | 21  | Coal tar pitch, high temperature                      | 65996-93-2 | 266-028-2 | 18.12.2009               |
|              | 22  | 2,4-Dinitrotoluene                                    | 121-14-2   | 204-450-0 | 18.12.2009               |
|              | 23  | Diisobutyl phthalate                                  | 84-69-5    | 201-553-2 | 18.12.2009<br>17.12.2014 |
|              | 24  | Lead chromate   | 7758-97-6  | 231-846-0 | 18.12.2009               |

|    |   |            |           |            |
|----|---|------------|-----------|------------|
| 25 | Tris(2-chloroethyl)phosphate                                | 115-96-8   | 204-118-5 | 18.12.2009 |
| 26 | Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 12656-85-8 | 235-759-9 | 18.12.2009 |
| 27 | Lead sulfochromate yellow (C.I. Pigment Yellow 34)          | 1344-37-2  | 215-693-7 | 18.12.2009 |
| 28 | Acrylamide  | 79-06-1    | 201-173-7 | 18.12.2009 |

|              | No. | Substance name                          | CAS No.                              | EC No                  | Date of inclusion |
|--------------|-----|---|--------------------------------------|------------------------|-------------------|
| <b>SVHC3</b> | 29  | Sodium chromate                         | 7775-11-3                            | 231-889-5              | 08.03.2010        |
|              | 30  | Ammonium dichromate                     | 7789-09-5                            | 232-143-1              | 08.03.2010        |
|              | 31  | Potassium dichromate                    | 7778-50-9                            | 231-906-6              | 08.03.2010        |
|              | 32  | Potassium chromate                      | 7789-00-6                            | 232-140-5              | 08.03.2010        |
|              | 33  | Boric acid                              | 10043-35-3<br>11113-50-1             | 233-139-2<br>234-343-4 | 08.03.2010        |
|              | 34  | Disodium tetraborate, anhydrous         | 1330-43-4<br>1303-96-4<br>12179-04-3 | 215-540-4              | 08.03.2010        |
|              | 35  | Tetraboron disodium heptaoxide, hydrate | 12267-73-1                           | 235-541-3              | 08.03.2010        |
|              | 36  | Trichloroethylene                       | 79-01-6                              | 201-167-4              | 08.03.2010        |

|              | No. | Substance name  | CAS No.                 | EC No.    | Date of inclusion |
|--------------|-----|---|-------------------------|-----------|-------------------|
| <b>SVHC4</b> | 37  | Cobalt(II) sulphate   | 10124-43-3              | 233-334-2 | 12.15.2010        |
|              | 38  | Cobalt(II) dinitrate  | 10141-05-6              | 233-402-1 | 12.15.2010        |
|              | 39  | Cobalt(II) carbonate  | 513-79-1                | 208-169-4 | 12.15.2010        |
|              | 40  | Cobalt(II) diacetate  | 71-48-7                 | 200-755-8 | 12.15.2010        |
|              | 41  | 2-Methoxyethanol  | 109-86-4                | 203-713-7 | 12.15.2010        |
|              | 42  | 2-Ethoxyethanol   | 110-80-5                | 203-804-1 | 12.15.2010        |
|              | 43  | Chromium trioxide   | 1333-82-0               | 215-607-8 | 12.15.2010        |
|              | 44  | Acids generated from chromium trioxide and their oligomers:<br>Chromic acid<br>Dichromic acid<br>Oligomers of chromic acid and dichromic acid | 7738-94-5<br>13530-68-2 | -         | 12.15.2010        |

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|--------------|-----|---|-----------------------|-----------|-------------------|
| <b>SVHC5</b> | 45  | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)     | 71888-89-6            | 276-158-1 | 06.20.2011        |
|              | 46  | 1,2,3-trichloropropane  | 96-18-4               | 202-486-1 | 06.20.2011        |
|              | 47  | 1-methyl-2-pyrrolidone  | 872-50-4              | 212-828-1 | 06.20.2011        |
|              | 48  | Hydrazine   | 7803-57-8<br>302-01-2 | 206-114-9 | 06.20.2011        |
|              | 49  | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) | 68515-42-4            | 276-158-1 | 06.20.2011        |
|              | 50  | Strontium chromate  | 7789-06-2             | 232-142-6 | 06.20.2011        |
|              | 51  | 2-ethoxyethyl acetate   | 111-15-9              | 203-839-2 | 06.20.2011        |

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|--------------|-----|---|------------|-----------|-------------------|
| <b>SVHC6</b> | 52  | Dichromium tris(chromate)   | 24613-89-6 | 246-356-2 | 2011.12.19        |
|              | 53  | Potassium hydroxyoctaoxodizincatedi-chromate                            | 11103-86-9 | 234-329-8 | 2011.12.19        |
|              | 54  | Pentazinc chromate octahydroxide  | 49663-84-5 | 256-418-0 | 2011.12.19        |
|              | 55  | Aluminosilicate Refractory Ceramic Fibres (RCF)                         | -          |           | 2011.12.19        |
|              | 56  | Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)             | -          |           | 2011.12.19        |
|              | 57  | Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 25214-70-4 | 500-036-1 | 2011.12.19        |
|              | 58  | Bis(2-methoxyethyl) phthalate   | 117-82-8   | 204-212-6 | 2011.12.19        |
|              | 59  | 2-Methoxyaniline; o-Anisidine   | 90-04-0    | 201-963-1 | 2011.12.19        |
|              | 60  | 4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)                | 140-66-9   | 205-426-2 | 2011.12.19        |
|              | 61  | 1,2-Dichloroethane  | 107-06-2   | 203-458-1 | 2011.12.19        |
|              | 62  | Bis(2-methoxyethyl) ether   | 111-96-6   | 203-924-4 | 2011.12.19        |
|              | 63  | Arsenic acid  | 7778-39-4  | 231-901-9 | 2011.12.19        |
|              | 64  | Calcium arsenate  | 7778-44-1  | 231-904-5 | 2011.12.19        |
|              | 65  | Trilead diarsenate  | 3687-31-8  | 22-979-5  | 2011.12.19        |
|              | 66  | N,N-dimethylacetamide (DMAC)  | 127-19-5   | 204-826-4 | 2011.12.19        |
|              | 67  | 2,2'-dichloro-4,4'-methylenedianiline (MOCA)                            | 101-14-4   | 202-918-9 | 2011.12.19        |
|              | 68  | Lead azide Lead diazide   | 13424-46-9 | 236-542-1 | 2011.12.19        |
|              | 69  | Lead styphnate  | 15245-44-0 | 239-290-0 | 2011.12.19        |
|              | 70  | Lead dipicrate  | 6477-64-1  | 229-335-2 | 2011.12.19        |
|              | 71  | Phenolphthalein   | 77-09-8    | 201-004-7 | 2011.12.19        |

|       | No. | Substance name   | CAS No.    | EC No.    | Date of inclusion |
|-------|-----|--|------------|-----------|-------------------|
| SVHC7 | 72  | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)  | 112-49-2   | 203-977-3 | 06.22.2012        |
|       | 73  | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)  | 110-71-4   | 203-794-9 | 06.22.2012        |
|       | 74  | Diboron trioxide   | 1303-86-2  | 215-125-8 | 06.22.2012        |
|       | 75  | Formamide  | 75-12-7    | 200-842-0 | 06.22.2012        |
|       | 76  | Lead(II) bis(methanesulfonate)   | 17570-76-2 | 401-750-5 | 06.22.2012        |
|       | 77  | 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC)  | 2451-62-9  | 219-514-3 | 06.22.2012        |
|       | 78  | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)  | 59653-74-6 | 423-400-0 | 06.22.2012        |
|       | 79  | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)   | 90-94-8    | 202-027-5 | 06.22.2012        |
|       | 80  | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)   | 101-61-1   | 202-959-2 | 06.22.2012        |
|       | 81  | [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)] | 2580-56-5  | 219-943-6 | 06.22.2012        |
|       | 82  | [4-[4,4'-bis(dimethylamino)benzhydridylidene]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)]                 | 548-62-9   | 208-953-6 | 06.22.2012        |
|       | 83  | 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)]   | 561-41-1   | 209-218-2 | 06.22.2012        |
|       | 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)]                                  | 6786-83-0  | 229-851-8 | 06.22.2012        |

|       | No. | Substance name  | CAS No.   | EC No.  | Date of inclusion |
|-------|-----|---|---|---|-------------------|
| SVHC8 | 85  | Pyrochlore, antimony lead yellow  | 8012-00-8   | 232-382-1   | 12.13.2012        |
|       | 86  | 6-methoxy-m-toluidine (p-cresidine)   | 120-71-8  | 204-419-1   | 12.13.2012        |
|       | 87  | Henicosafuoroundecanoic acid  | 2058-94-8   | 218-165-4   | 12.13.2012        |
|       | 88  | Hexahydromethylphthalic anhydride [1],<br>Hexahydro-4-methylphthalic anhydride [2],<br>Hexahydro-1-methylphthalic anhydride [3],<br>Hexahydro-3-methylphthalic anhydride [4]<br><i>[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]</i>         | 25550-51-0,<br>19438-60-9,<br>48122-14-1,<br>57110-29-9 | 247-094-1,<br>243-072-0,<br>256-356-4,<br>260-566-1 | 12.13.2012        |
|       | 89  | Cyclohexane-1,2-dicarboxylic anhydride [1],<br>cis-cyclohexane-1,2-dicarboxylic anhydride [2],<br>trans-cyclohexane-1,2-dicarboxylic anhydride [3] <i>[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]</i>  | 85-42-7,<br>13149-00-3,<br>14166-21-3                   | 201-604-9<br>236-086-3<br>238-009-9                 | 12.13.2012        |
|       | 90  | Dibutyltin dichloride (DBTC)  | 683-18-1  | 211-670-0   | 12.13.2012        |
|       | 91  | Lead bis(tetrafluoroborate)   | 13814-96-5  | 237-486-0   | 12.13.2012        |
|       | 92  | Lead dinitrate  | 10099-74-8  | 233-245-9   | 12.13.2012        |
|       | 93  | Silicic acid, lead salt   | 11120-22-2  | 234-363-3   | 12.13.2012        |
|       | 94  | 4-Aminoazobenzene   | 60-09-3   | 200-453-6   | 12.13.2012        |
|       | 95  | Lead titanium zirconium oxide   | 12626-81-2  | 235-727-4   | 12.13.2012        |
|       | 96  | Lead monoxide (lead oxide)  | 1317-36-8   | 215-267-0   | 12.13.2012        |
|       | 97  | o-Toluidine   | 95-53-4   | 202-429-0   | 12.13.2012        |
|       | 98  | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine  | 143860-04-2   | 421-150-7   | 12.13.2012        |
|       | 99  | Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1),<br>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  | 272-271-5   | 12.13.2012        |
|       | 100 | Trilead bis(carbonate)dihydroxide   | 1319-46-6   | 215-290-6   | 12.13.2012        |
|       | 101 | Furan   | 110-00-9  | 203-727-3   | 12.13.2012        |
|       | 102 | N,N-dimethylformamide   | 68-12-2   | 200-679-5   | 12.13.2012        |
|       | 103 | 4-(1,1,3,3-tetramethylbutyl)phenol,<br>ethoxylated <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i>   | -   |   | 12.13.2012        |

|     |  |             |           |            |
|-----|--|-------------|-----------|------------|
| 104 | 4-Nonylphenol, branched and linear<br><i>[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]</i> | -           |           | 12.13.2012 |
| 105 | 4,4'-methylenedi-o-toluidine   | 838-88-0    | 212-658-8 | 12.13.2012 |
| 106 | Diethyl sulphate   | 64-67-5     | 200-589-6 | 12.13.2012 |
| 107 | Dimethyl sulphate  | 77-78-1     | 201-058-1 | 12.13.2012 |
| 108 | Lead oxide sulfate   | 12036-76-9  | 234-853-7 | 12.13.2012 |
| 109 | Lead titanium trioxide   | 12060-00-3  | 235-038-9 | 12.13.2012 |
| 110 | Acetic acid, lead salt, basic  | 51404-69-4  | 257-175-3 | 12.13.2012 |
| 111 | [Phthalato(2-)]dioxotrilead  | 69011-06-9  | 273-688-5 | 12.13.2012 |
| 112 | Bis(pentabromophenyl) ether<br>(decabromodiphenyl ether; DecaBDE)  | 1163-19-5   | 214-604-9 | 12.13.2012 |
| 113 | N-methylacetamide  | 79-16-3     | 201-182-6 | 12.13.2012 |
| 114 | Dinoseb (6-sec-butyl-2,4-dinitrophenol)  | 88-85-7     | 201-861-7 | 12.13.2012 |
| 115 | 1,2-Diethoxyethane   | 629-14-1    | 211-076-1 | 12.13.2012 |
| 116 | Tetralead trioxide sulphate  | 12202-17-4  | 235-380-9 | 12.13.2012 |
| 117 | N-pentyl-isopentylphthalate  | 776297-69-9 | -         | 12.13.2012 |
| 118 | Dioxobis(stearato)trilead  | 12578-12-0  | 235-702-8 | 12.13.2012 |
| 119 | Tetraethyllead   | 78-00-2     | 201-075-4 | 12.13.2012 |
| 120 | Pentalead tetraoxide sulphate  | 12065-90-6  | 235-067-7 | 12.13.2012 |
| 121 | Pentacosafuorotridecanoic acid   | 72629-94-8  | 276-745-2 | 12.13.2012 |
| 122 | Tricosafuorododecanoic acid  | 307-55-1    | 206-203-2 | 12.13.2012 |
| 123 | Heptacosafuorotetradecanoic acid   | 376-06-7    | 206-803-4 | 12.13.2012 |
| 124 | 1-bromopropane (n-propyl bromide)  | 106-94-5    | 203-445-0 | 12.13.2012 |
| 125 | Methoxyacetic acid   | 625-45-6    | 210-894-6 | 12.13.2012 |
| 126 | 4-methyl-m-phenylenediamine<br>(toluene-2,4-diamine)   | 95-80-7     | 202-453-1 | 12.13.2012 |
| 127 | Methyloxirane (Propylene oxide)  | 75-56-9     | 200-879-2 | 12.13.2012 |
| 128 | Trilead dioxide phosphonate  | 12141-20-7  | 235-252-2 | 12.13.2012 |
| 129 | o-aminoazotoluene  | 97-56-3     | 202-591-2 | 12.13.2012 |
| 130 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear   | 84777-06-0  | 284-032-2 | 12.13.2012 |
| 131 | 4,4'-oxydianiline and its salts  | 101-80-4    | 202-977-0 | 12.13.2012 |
| 132 | Orange lead (lead tetroxide)   | 1314-41-6   | 215-235-6 | 12.13.2012 |
| 133 | Biphenyl-4-ylamine   | 92-67-1     | 202-177-1 | 12.13.2012 |
| 134 | Diisopentylphthalate   | 605-50-5    | 210-088-4 | 12.13.2012 |
| 135 | Fatty acids, C16-18, lead salts  | 91031-62-8  | 292-966-7 | 12.13.2012 |
| 136 | Diazene-1,2-dicarboxamide<br>(C,C'-azodi(formamide))   | 123-77-3    | 204-650-8 | 12.13.2012 |
| 137 | Sulfurous acid, lead salt, dibasic   | 62229-08-7  | 263-467-1 | 12.13.2012 |

|  |     |                  |            |            |            |
|--|-----|------------------|------------|------------|------------|
|  | 138 | Lead cyanamidate | 20837-86-9 | 20837-86-9 | 12.13.2012 |
|--|-----|------------------|------------|------------|------------|

|              | No. | Substance name  | CAS No.   | EC No.    | Date of inclusion |
|--------------|-----|---|-----------|-----------|-------------------|
| <b>SVHC9</b> | 139 | Cadmium   | 7440-43-9 | 231-152-8 | 06.20.2013        |
|              | 140 | Ammonium pentadecafluorooctanoate (APFO)  | 3825-26-1 | 3825-26-1 | 06.20.2013        |
|              | 141 | Pentadecafluorooctanoic acid (PFOA)   | 335-67-1  | 206-397-9 | 06.20.2013        |
|              | 142 | Dipentyl phthalate (DPP)  | 131-18-0  | 205-017-9 | 06.20.2013        |
|              | 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] |           |           | 06.20.2013        |
|              | 144 | Cadmium oxide   | 1306-19-0 | 215-146-2 | 06.20.2013        |

|               | No. | Substance name   | CAS No.    | EC No.    | Date of inclusion |
|---------------|-----|--|------------|-----------|-------------------|
| <b>SVHC10</b> | 145 | Cadmium sulphide   | 1306-23-6  | 215-147-8 | 10.17.2013        |
|               | 146 | Diethyl phthalate  | 84-75-3    | 201-559-5 | 10.17.2013        |
|               | 147 | "Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)"  | 573-58-0   | 209-358-4 | 10.17.2013        |
|               | 148 | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo]][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-di sulphonate (C.I. Direct Black 38) | 1937-37-7  | 217-710-3 | 10.17.2013        |
|               | 149 | Imidazolidine-2-thione; 2-imidazoline-2-thiol  | 96-45-7    | 202-506-9 | 10.17.2013        |
|               | 150 | Lead di (acetate)  | 301-04-2   | 206-104-4 | 10.17.2013        |
|               | 151 | Triethyl phosphate   | 25155-23-1 | 246-677-8 | 10.17.2013        |



|        | No. | Substance name   | CAS No.    | EC No.                  | Date of inclusion |
|--------|-----|--|------------|-------------------------|-------------------|
| SVHC11 | 152 | Cadmium chloride   | 10108-64-2 | 233-296-7               | 16.06.2014        |
|        | 153 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | 271-093-5               | 16.06.2014        |
|        | 154 | Sodium peroxometaborate  | 7632-04-4  | 231-556-4               | 16.06.2014        |
|        | 155 | Sodium perborate; perboric acid, sodium salt                     | 15120-21-5 | 239-172-9;<br>234-390-0 | 16.06.2014        |

|        | No. | Substance name   | CAS No.    | EC No.    | Date of inclusion |
|--------|-----|--|------------|-----------|-------------------|
| SVHC12 | 156 | Cadmium fluoride   | 7790-79-6  | 232-222-0 | 17.12.2014        |
|        | 157 | Cadmium sulphate   | 10124-36-4 | 233-331-6 | 17.12.2014        |
|        |     |  | 31119-53-6 |           | 17.12.2014        |
|        | 158 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)   | 25973-55-1 | 247-384-8 | 17.12.2014        |
|        | 159 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)   | 3846-71-7  | 223-346-6 | 17.12.2014        |
|        | 160 | 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) | -          | -         | 17.12.2014        |
|        | 161 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)   | 15571-58-1 | 239-622-4 | 17.12.2014        |

|        | No. | Substance name   | CAS No.    | EC No.    | Date of inclusion |
|--------|-----|--|------------|-----------|-------------------|
| SVHC13 | 162 | 3% 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  | 68515-51-5 | 271-094-0 | 15.06.2015        |
|        |     |  | 68648-93-1 | 272-013-1 |                   |
|        | 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 | -          | -         | 15.06.2015        |

|  |  |                          |  |  |  |
|--|--|--------------------------|--|--|--|
|  |  | any combination thereof] |  |  |  |
|--|--|--------------------------|--|--|--|

|               | No. | Substance name   | CAS No.                             | EC No.    | Date of inclusion |
|---------------|-----|--|-------------------------------------|-----------|-------------------|
| <b>SVHC14</b> | 164 | 1,3-propanesultone   | 1120-71-4                           | 214-317-9 | 2015.12.17        |
|               | 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)       | 3864-99-1                           | 223-383-8 | 2015.12.17        |
|               | 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3                          | 253-037-1 | 2015.12.17        |
|               | 167 | Nitrobenzene   | 98-95-3                             | 202-716-0 | 2015.12.17        |
|               | 168 | Perfluorononan-1-oic-acid and its sodium and ammonium salts          | 375-95-1<br>21049-39-8<br>4149-60-4 | 206-801-3 | 2015.12.17        |

|               | No. | Substance name     | CAS No. | EC No.    | Date of inclusion |
|---------------|-----|--------------------|---------|-----------|-------------------|
| <b>SVHC15</b> | 169 | Benzo[def]chrysene | 50-32-8 | 200-028-5 | 2016.06.20        |

|               | No. | Substance name  | CAS No.                            | EC No.                      | Date of inclusion |
|---------------|-----|---|------------------------------------|-----------------------------|-------------------|
| <b>SVHC16</b> | 170 | 4,4'-isopropylidenediphenol (bisphenol A)   | 80-05-7                            | 201-245-8                   | 2016/12/19        |
|               | 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] |                                    |                             | 2016/12/19        |
|               | 172 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts  | 3108-42-7<br>335-76-2<br>3830-45-3 | -<br>206-400-3<br>221-470-5 | 2016/12/19        |
|               | 173 | p-(1,1-dimethylpropyl)phenol  | 80-46-6                            | 201-280-9                   | 2016/12/19        |

|               | No. | Substance name   | CAS No.  | EC No.    | Date of inclusion |
|---------------|-----|--|----------|-----------|-------------------|
| <b>SVHC17</b> | 174 | Perfluorohexane-1-sulphonic acid and its salts (PFHxS) | 355-46-4 | 206-587-1 | 2017/07/07        |

|                | No. | Substance name   | CAS No.                                    | EC No.    | Date of inclusion |
|----------------|-----|--|--|-----------|-------------------|
| <b>SVHC 18</b> | 175 | Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)   | 13560-89-9;<br>135821-74-8;<br>135821-03-3 | -         | 2017/12/20        |
|                | 176 | Benz[a]anthracene  | 56-55-3                                    | 200-280-6 | 2017/12/20        |
|                | 177 | Cadmium nitrate  | 10325-94-7                                 | 233-710-6 | 2017/12/20        |
|                | 178 | Cadmium carbonate  | 513-78-0                                   | 208-168-9 | 2017/12/20        |
|                | 179 | Cadmium hydroxide  | 21041-95-2                                 | 244-168-5 | 2017/12/20        |
|                | 180 | Chrysene   | 218-01-9                                   | 205-923-4 | 2017/12/20        |
|                | 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] | -  | -         | 2017/12/20        |

|                | No. | Substance name  | CAS No.    | EC No.    | Date of inclusion |
|----------------|-----|---|------------|-----------|-------------------|
| <b>SVHC 19</b> | 182 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA) | 552-30-7   | 209-008-0 | 07.07.2017        |
|                | 183 | Benzo[ghi]perylene  | 191-24-2   | 205-883-8 | 2018/06/27        |
|                | 184 | Decamethylcyclopentasiloxane (D5)   | 541-02-6   | 208-764-9 | 2018/06/27        |
|                | 185 | Dicyclohexyl phthalate (DCHP)   | 84-61-7    | 201-545-9 | 2018/06/27        |
|                | 186 | Disodium octaborate   | 12008-41-2 | 234-541-0 | 2018/06/27        |
|                | 187 | decamethylcyclohexasiloxane (D6)  | 540-97-6   | 208-762-8 | 2018/06/27        |
|                | 188 | Ethylenediamine (EDA)   | 107-15-3   | 203-468-6 | 2018/06/27        |

|  |     |                                   |            |           |            |
|--|-----|-----------------------------------|------------|-----------|------------|
|  | 189 | Lead                              | 7439-92-1  | 231-100-4 | 2018/06/27 |
|  | 190 | Octamethylcyclotetrasiloxane (D4) | 556-67-2   | 209-136-7 | 2018/06/27 |
|  | 191 | Terphenyl, hydrogenated           | 61788-32-7 | 262-967-7 | 2018/06/27 |

|         | No. | Substance name  | CAS No.                                    | EC No.    | Date of inclusion |
|---------|-----|---|--|-----------|-------------------|
| SVHC 20 | 192 | Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)  | 13560-89-9;<br>135821-74-8;<br>135821-03-3 | -         | 2018/12/20        |
|         | 193 | Benz[a]anthracene   | 56-55-3                                    | 200-280-6 | 2018/12/20        |
|         | 194 | Cadmium nitrate   | 10325-94-7                                 | 233-710-6 | 2018/12/20        |
|         | 195 | Cadmium carbonate   | 513-78-0                                   | 208-168-9 | 2018/12/20        |
|         | 196 | Cadmium hydroxide   | 21041-95-2                                 | 244-168-5 | 2018/12/20        |
|         | 197 | 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] | -  | -         | 2018/12/20        |

|         | No. | Substance name   | CAS No.  | EC No.    | Date of inclusion |
|---------|-----|--|----------|-----------|-------------------|
| SVHC 21 | 198 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides                              | -        | -         | 2019/07/16        |
|         | 199 | 2-methoxyethyl acetate   | 110-49-6 | 203-772-9 | 2019/07/16        |
|         | 200 | 4-tert-butylphenol   | 98-54-4  | 202-679-0 | 2019/07/16        |
|         | 201 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | -        | -         | 2019/07/16        |

|  | No. | Substance name | CAS No. | EC No. | Date of inclusion |
|--|-----|----------------|---------|--------|-------------------|
|--|-----|----------------|---------|--------|-------------------|

|                |     |  |             |           |            |
|----------------|-----|--|-------------|-----------|------------|
| <b>SVHC 22</b> | 202 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 119313-12-1 | 404-360-3 | 2020/01/16 |
|                | 203 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone      | 71868-10-5  | 400-600-6 | 2020/01/16 |
|                | 204 | Diisohexyl phthalate                                     | 71850-09-4  | 276-090-2 | 2020/01/16 |
|                | 205 | Perfluorobutane sulfonic acid (PFBS) and its salts       | -           | -         | 2020/01/16 |

|                | No. | Substance name                          | CAS No.    | EC No.    | Date of inclusion |
|----------------|-----|---|------------|-----------|-------------------|
| <b>SVHC 23</b> | 206 | 1-vinylimidazole                        | 1072-63-5  | 214-012-0 | 2020/06/17        |
|                | 207 | 2-methylimidazole                       | 693-98-1   | 211-765-7 | 2020/06/17        |
|                | 208 | Butyl 4-hydroxybenzoate                 | 94-26-8    | 202-318-7 | 2020/06/17        |
|                | 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin | 22673-19-4 | 245-152-0 | 2020/06/17        |

|                | No. | Substance name   | CAS No.              | EC No.    | Date of inclusion |
|----------------|-----|--|----------------------|-----------|-------------------|
| <b>SVHC 24</b> | 210 | Bis(2-(2-methoxyethoxy)ethyl) ether  | 143-24-8             | 205-594-7 | 2021/01/20        |
|                | 211 | Dioctyltin 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 | 3648-18-8 and others | 222-883-3 | 2021/01/20        |

|                | No. | Substance name   | CAS No.                                 | EC No.     | Date of inclusion |
|----------------|-----|--|---|------------|-------------------|
| <b>SVHC 25</b> | 212 | 2-(4-tertbutylbenzyl)propionaldehyde and its individual stereoisomers:<br><br>(2R)-3-(4-tert-butylphenyl)-2-methylpropanal;<br>2-(4-tertbutylbenzyl)propionaldehyde;<br>(2S)-3-(4-tert-butylphenyl)-2-methylpropanal | 75166-31-3<br><br>80-54-6<br>75166-30-2 | 201-289-8; | 2021/07/08        |

|  |     |  |  |                                     |            |
|--|-----|--|--|-------------------------------------|------------|
|  | 213 | orthoboric acid, sodium salt:<br><br>boric acid (H3BO3), sodium salt, hydrate;<br>Boric acid (H3BO3), disodium salt<br>Trisodium orthoborate<br>Boric acid, sodium salt Boric acid<br>Orthoboric acid, sodium salt;<br>Boric acid (H3BO3), sodium salt (1:1)   | 25747-83-5<br>22454-04-2<br>1333-73-9<br>14312-40-4<br>13840-56-7<br>14890-53-0    | 238-253-6<br>215-604-1<br>237-560-2 | 2021/07/08 |
|  | 214 | (1)2,2-bis(bromomethyl)propane1,3-diol (BMP);  | 3296-90-0  | 221-967-7                           | 2021/07/08 |
|  |     | (2)2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA);   | 36483-57-5/<br>1522-92-5   | 253-057-0                           |            |
|  |     | (3)2,3-dibromo-1-propanol (2,3-DBPA)   | 96-13-9  | 202-480-9                           |            |
|  | 215 | Glutaral   | 111-30-8   | 203-856-5                           | 2021/07/08 |
|  | 216 | Medium-chain chlorinated paraffins (MCCP)<br><br>UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17   | -  | -                                   | 2021/07/08 |
|  | 217 | Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation covering any individual isomers and/or combinations thereof (PDDP):<br><br>Phenol, 4-dodecyl, branched<br>4-isododecylphenol<br>Phenol, 4-isododecyl-<br>Phenol, dodecyl-, branched<br>Phenol, (tetrapropenyl) derivatives<br>Phenol, tetrapropylene- | 210555-94-5<br>27459-10-5<br>27147-75-7<br>121158-58-5<br>74499-35-7<br>57427-55-1 | 310-154-3                           | 2021/07/08 |
|  | 218 | 1,4-dioxane  | 123-91-1   | 204-661-8                           | 2021/07/08 |
|  | 219 | 4,4'-(1-methylpropylidene) bisphenol; (bisphenol B)  | 77-40-7  | 201-025-1                           | 2021/07/08 |

| No. | Substance name | CAS No. | EC No. | Date of inclusion |
|-----|----------------|---------|--------|-------------------|
|-----|----------------|---------|--------|-------------------|

|                |     |  |  |           |            |
|----------------|-----|--|--|-----------|------------|
| <b>SVHC 26</b> | 220 | tris(2-methoxyethoxy)vinylsilane   | 1067-53-4  | 213-934-0 | 17/01/2022 |
|                | 221 | 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  | 401-850-9 | 17/01/2022 |
|                | 222 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-creso  | 119-47-1   | 204-327-1 | 17/01/2022 |
|                | 223 | (±)-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)<br>(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one<br>(1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one<br>(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one<br>(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one<br>(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one<br>(1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one<br>(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one | 1782069-81-1<br>95342-41-9<br>852541-25-4<br>36861-47-9<br>741687-98-9<br>852541-30-1<br>852541-21-0 | 253-242-6 | 17/01/2022 |

|               | No. | Substance name              | CAS No.  | EC No.    | Date of inclusion |
|---------------|-----|-----------------------------|----------|-----------|-------------------|
| <b>SVHC27</b> | 224 | N-(hydroxymethyl)acrylamide | 924-42-5 | 213-103-2 | 10/06/2022        |

|               | No. | Substance name  | CAS No.   | EC No.                              | Date of inclusion |
|---------------|-----|---|---|-------------------------------------|-------------------|
| <b>SVHC28</b> | 225 | 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   | -   | 473-390-7                           | 17/01/2023        |
|               | 226 | Perfluoroheptanoic acid and its salts<br>Ammonium perfluoroheptanoate<br>potassium perfluoroheptanoate<br>Perfluoroheptanoic acid<br>Sodium perfluoroheptanoate | 6130-43-4<br>21049-36-5<br>375-85-9<br>20109-59-5 | 228-098-2<br>206-798-9<br>243-518-4 | 17/01/2023        |
|               | 227 | Melamine  | 108-78-1  | 203-615-4                           | 17/01/2023        |

|  |     |   |            |           |            |
|--|-----|---|------------|-----------|------------|
|  | 228 | Isobutyl 4-hydroxybenzoate  | 4247-02-3  | 224-208-8 | 17/01/2023 |
|  | 229 | bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof<br>Bis(2-ethylhexyl) tetrabromophthalate | 26040-51-7 | 247-426-5 | 17/01/2023 |
|  | 230 | Barium diboron tetraoxide   | 13701-59-2 | 237-222-4 | 17/01/2023 |
|  | 231 | 4,4'-sulphonyldiphenol  | 80-09-1    | 201-250-5 | 17/01/2023 |
|  | 232 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenedi phenol   | 79-94-7    | 201-236-9 | 17/01/2023 |
|  | 233 | 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]  | 37853-59-1 | 253-692-3 | 17/01/2023 |

|               | No. | Substance name                                   | CAS No.    | EC No.    | Date of inclusion |
|---------------|-----|--|------------|-----------|-------------------|
| <b>SVHC29</b> | 234 | Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide | 75980-60-8 | 278-355-8 | 14/06/2023        |
|               | 235 | Bis(4-chlorophenyl) sulphone                     | 80-07-9    | 201-247-9 | 14/06/2023        |

|               | No. | Substance name   | CAS No.     | EC No.    | Date of inclusion |
|---------------|-----|--|-------------|-----------|-------------------|
| <b>SVHC30</b> | 236 | 2,4,6-tri-tert-butylphenol   | 732-26-3    | 211-989-5 | 23/01/2024        |
|               | 237 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol                          | 3147-75-9   | 221-573-5 | 23/01/2024        |
|               | 238 | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 119344-86-4 | 438-340-0 | 23/01/2024        |
|               | 239 | Bumetizole   | 3896-11-5   | 223-445-4 | 23/01/2024        |
|               | 240 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol       | -           | 700-960-7 | 23/01/2024        |