

## REACH Declaration of Conformity

We, SparkLAN Communications, Inc., declare that the listed products or parts set forth below,

| Item | SparkLAN Model   | Customer Model(if applicable) |
|------|------------------|-------------------------------|
| 1.   | WNFQ-261ACNI(BT) |                               |
| 2.   |                  |                               |
| 3.   |                  |                               |

have been manufactured in compliance with European REACH Regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals defined under EC 1907/2006 Of the European Parliament and the Council.

We declare based on information provided by our suppliers that its products/components comply with the requirements of the REACH Regulation and obligate to list the candidate Substances of Very High Concern ("SVHC"). If a substance listed on the candidate list above a concentration of 0.1% by weight (w/w) is contained in the listed products, SparkLAN shall disclose them in document to allow safe use of the products.

This REACH Declaration has been duly executed by the SparkLAN's authorized representative on the date as last set forth herein. Any amendment to this Declaration shall not be effective without SparkLAN's prior written consent.

**Note: The used resistors of product(s) may potentially contain lead above 0.1% by weight. Nevertheless it meets exempted terms of RoHS directive 7(c )-I.**

**Company Name :**

SparkLAN Communications, Inc.

**Representative :**

Mike Chen

**Address :**

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**Sign Date :**

2023/09/05

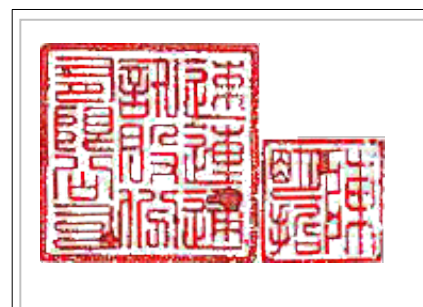


Table 1: Batch 1 Substances Listed as SVHC Candidates (2008/10/28)

| <b>No.</b> | <b>Substance Name</b>   | <b>CAS Number</b>   | <b>EC Number</b>        |
|------------|---|---|-------------------------|
| 1          | Anthracene  | 120-12-7  | 204-371-1               |
| 2          | 4,4'- Diaminodiphenylmethane (MDA)  | 101-77-9  | 202-974-4               |
| 3          | Dibutyl phthalate (DBP)   | 84-74-2   | 201-557-4               |
| 4          | Cobalt dichloride   | 7646-79-9   | 231-589-4               |
| 5          | Diarsenic pentaoxide  | 1303-28-2   | 215-116-9               |
| 6          | Diarsenic trioxide  | 1327-53-3   | 215-481-4               |
| 7          | Sodium dichromate   | 7789-12-0,<br>10588-01-9  | 234-190-3               |
| 8          | 5-tert-butyl-2,4,6-trinitro-m-xylene<br>(musk xylene)   | 81-15-2   | 201-329-4               |
| 9          | Bis (2-ethylhexyl)phthalate (DEHP)  | 117-81-7  | 204-211-0               |
| 10         | Bexabromocyclododecane (HBCDD)<br>and all major diastereoisomers identified:<br>Alpha-hexabromocyclododecane<br>Beta-hexabromocyclododecane<br>Gamma-hexabromocyclododecane | 25637-99-4,<br>3194-55-6 (134237-50-6) (134237-<br>51-7)<br>(134237-52-8) | 247-148-4,<br>221-695-9 |
| 11         | Alkanes, C10-13, chloro (Short Chain<br>Chlorinated Paraffins)  | 85535-84-8  | 287-476-5               |
| 12         | Bis(tributyltin)oxide (TBTO)  | 56-35-9   | 200-268-0               |
| 13         | Lead hydrogen arsenate  | 7784-40-9   | 232-064-2               |
| 14         | Triethyl arsenate   | 15606-95-8  | 427-700-2               |
| 15         | Benzyl butyl phthalate (BBP)  | 85-68-7   | 201-622-7               |

Table 2: Batch 2 Substances Listed as SVHC Candidates (2010/01/13 &amp; 2010/03/30)

| <b>No.</b> | <b>Substance Name</b>  | <b>CAS Number</b>                      | <b>EC Number</b>                    |
|------------|--|--|-------------------------------------|
| 16         | Anthracene oil<br>Anthracene oil, anthracene paste<br>Anthracene oil, anthracene paste,<br>anthracene fraction | 90640-80-5<br>90640-81-6<br>91995-15-2 | 292-602-7<br>292-603-2<br>295-275-9 |
| 17         | Anthracene oil, anthracene paste, distn.<br>lights   | 91995-17-4                             | 295-278-5                           |
| 18         | Anthracene oil, anthracene-low   | 90640-82-7                             | 292-604-8                           |
| 19         | Pitch, coal tar, high temp.  | 65996-93-2                             | 266-028-2                           |
| 20         | Aluminosilicate Refractory Ceramic<br>Fibres <sup>1</sup>  | -                                      | -                                   |
| 21         | Zirconia Aluminosilicate, Refractory<br>Ceramic Fibres <sup>2</sup>  | -                                      | -                                   |
| 22         | 2,4-Dinitrotoluene   | 121-14-2                               | 204-450-0                           |
| 23         | Diisobutyl phthalate   | 84-69-5                                | 201-553-2                           |
| 24         | Lead chromate  | 7758-97-6                              | 231-846-0                           |
| 25         | Lead chromate molybdate sulphate red<br>(C.I. Pigment Red 104)   | 12656-85-8                             | 235-759-9                           |
| 26         | Lead sulfochromate yellow (C.I.<br>Pigment Yellow 34)  | 1344-37-2                              | 215-693-7                           |
| 27         | tris(2-chloroethyl)phosphate   | 115-96-8                               | 204-118-5                           |

Table 3: Batch 3 Substances Listed as SVHC Candidates (2010/06/18)

| <b>No.</b> | <b>Substance Name</b>                  | <b>CAS Number</b>                      | <b>EC Number</b>        |
|------------|--|--|-------------------------|
| 28         | Acrylamide                             | 79-06-1                                | 201-173-7               |
| 29         | Trichloroethylene                      | 79-01-6                                | 201-167-4               |
| 30         | Boric Acid                             | 10043-35-3,<br>11113-50-1              | 233-139-2,<br>234-343-4 |
| 31         | Disodium tetraborate, anhydrous        | 1303-96-4,<br>1330-43-4,<br>12179-04-3 | 215-540-4               |
| 32         | Tetraboron disodium heptaoxide hydrate | 12267-73-1                             | 235-541-3               |
| 33         | Sodium chromate                        | 7775-11-3                              | 231-889-5               |
| 34         | Potassium chromate                     | 7789-00-6                              | 232-140-5               |
| 35         | Ammonium dichromate                    | 7789-09-5                              | 232-143-1               |
| 36         | Potassium dichromate                   | 7778-50-9                              | 231-906-6               |

Table 4: Batch 4 Substances Listed as SVHC Candidates (2010/12/15)

| <b>No.</b> | <b>Substance Name</b>  | <b>CAS Number</b>                           | <b>EC Number</b>                           |
|------------|--|---|--|
| 37         | Cobalt(II) sulphate  | 10124-43-3                                  | 233-334-2                                  |
| 38         | Cobalt(II) dinitrate   | 10141-05-6                                  | 233-402-1                                  |
| 39         | Cobalt(II) carbonate   | 513-79-1                                    | 208-169-4                                  |
| 40         | Cobalt(II) diacetate   | 71-48-7                                     | 200-755-8                                  |
| 41         | 2-Methoxyethanol   | 109-86-4                                    | 203-713-7                                  |
| 42         | 2-Ethoxyethanol  | 110-80-5                                    | 203-804-1                                  |
| 43         | Chromium trioxide  | 1333-82-0                                   | 215-607-8                                  |
| 44         | Acids generated from chromium trioxide and their oligomers<br>Group containing: Chromic acid<br>Dichromic acid<br>Oligomers of chromic acid and dichromic acid | 7738-94-5<br>13530-68-2<br>not yet assigned | 231-805-5<br>236-881-5<br>not yet assigned |

Table 5: Batch 5 Substances Listed as SVHC Candidates (2011/06/20)

| <b>No.</b> | <b>Substance Name</b>   | <b>CAS Number</b>       | <b>EC Number</b> |
|------------|---|-------------------------|------------------|
| 45         | 1,2,3-Trichloropropane  | 96-18-4                 | 202-486-1        |
| 46         | 1,2-Benzenedicarboxylic acid, di-C6-8-<br>branched alkyl esters, C7-rich    | 71888-89-6              | 276-158-1        |
| 47         | 1,2-Benzenedicarboxylic acid, di-C7-11- branched and<br>linear alkyl esters | 68515-42-4              | 271-084-6        |
| 48         | 1-Methyl-2-pyrrolidone  | 872-50-4                | 212-828-1        |
| 49         | 2-Ethoxyethyl acetate   | 111-15-9                | 203-839-2        |
| 50         | Hydrazine   | 302-01-2 /<br>7803-57-8 | 206-114-9        |
| 51         | Strontium chromate  | 7789-06-2               | 232-142-6        |

Table 6: Batch 6 Substances Listed as SVHC Candidates (2011/12/19)

| <b>No.</b> | <b>Substance Name</b>                 | <b>CAS Number</b> | <b>EC Number</b> |
|------------|---------------------------------------|-------------------|------------------|
| 52         | 1,2-dichloroethane                    | 107-06-2          | 203-458-1        |
| 53         | 2,2'-dichloro-4,4'-methylenedianiline | 101-14-4          | 202-918-9        |
| 54         | 2-Methoxyaniline; o-Anisidine         | 90-04-0           | 201-963-1        |
| 55         | 4-(1,1,3,3-tetramethylbutyl)phenol    | 140-66-9          | 205-426-2        |

|    |  |            |           |
|----|--|------------|-----------|
| 56 | Aluminosilicate Refractory Ceramic Fibres(RCF)                 | -          | -         |
| 57 | Zirconia Aluminosilicate Refractory Ceramic Fibers(Zr-RCF)     | -          | -         |
| 58 | Arsenic acid   | 7778-39-4  | 231-901-9 |
| 59 | Bis(2-methoxyethyl) ether                                      | 111-96-6   | 203-924-4 |
| 60 | Bis(2-methoxyethyl) phthalate                                  | 117-82-8   | 204-212-6 |
| 61 | Calcium arsenate   | 7778-44-1  | 231-904-5 |
| 62 | Dichromium tris(chromate)                                      | 24613-89-6 | 246-356-2 |
| 63 | Formaldehyde, oligomeric reaction products with aniline (PMDA) | 25214-70-4 | 500-036-1 |
| 64 | Lead diazide, Lead azide                                       | 13424-46-9 | 236-542-1 |
| 65 | Lead dipicrate   | 6477-64-1  | 229-335-2 |
| 66 | Lead styphnate   | 15245-44-0 | 239-290-0 |
| 67 | N,N-dimethylacetamide  | 127-19-5   | 204-826-4 |
| 68 | Pentazinc chromate octahydroxide                               | 49663-84-5 | 256-418-0 |
| 69 | Phenolphthalein  | 77-09-8    | 201-004-7 |
| 70 | Potassium hydroxyoctaoxodizincatedichromate                    | 11103-86-9 | 234-329-8 |
| 71 | Trilead diarsenate   | 3687-31-8  | 222-979-5 |

Table 7: Batch 7 Substances Listed as SVHC Candidates (2012/06/18)

| <b>No.</b> | <b>Substance Name</b>   | <b>CAS Number</b> | <b>EC Number</b> |
|------------|---|-------------------|------------------|
| 72         | $\alpha,\alpha$ -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        |
| 73         | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)   | 112-49-2          | 203-977-3        |
| 74         | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)   | 110-71-4          | 203-794-9        |
| 75         | 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        |
| 76         | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)  | 2451-62-9         | 219-514-3        |
| 77         | [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        |
| 78         | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)  | 90-94-8           | 202-027-5        |
| 79         | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]   | 561-41-1          | 209-218-2        |
| 80         | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]                  | 548-62-9          | 208-953-6        |
| 81         | Diboron trioxide  | 1303-86-2         | 215-125-8        |
| 82         | Formamide   | 75-12-7           | 200-842-0        |

|    |  |            |           |
|----|--|------------|-----------|
| 83 | Lead(II) bis(methanesulfonate)                                 | 17570-76-2 | 401-750-5 |
| 84 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1   | 202-959-2 |

**Table 8: Batch 8 Substances Listed as SVHC Candidates (2012/12/19)**

| <b>No.</b> | <b>Substance Name</b>  | <b>CAS Number</b>  | <b>EC Number</b>                      |
|------------|--|--|---------------------------------------|
| 85         | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear   | 84777-06-0   | 284-032-2                             |
| 86         | 1,2-Diethoxyethane   | 629-14-1   | 211-076-1                             |
| 87         | 1-bromopropane (n-propyl bromide)  | 106-94-5   | 203-445-0                             |
| 88         | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine   | 143860-04-2  | 421-150-7                             |
| 89         | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i><br>Polyethylene glycol mono(tert-octylph-enyl)<br>2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethanol<br>20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol<br>2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol<br>2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethanol, | -<br>9036-19-5<br>9002-93-1<br>2497-59-8<br>2315-67-5<br>2315-61-9 | -                                     |
| 90         | 4,4'-methylenedi-o-toluidine   | 838-88-0   | 212-658-8                             |
| 91         | 4,4'-oxydianiline and its salts  | 101-80-4   | 202-977-0                             |
| 92         | 4-Aminoazobenzene  | 60-09-3  | 200-453-6                             |
| 93         | 4-methyl-m-phenylenediamine (toluene-2,4-diamine)  | 95-80-7  | 202-453-1                             |
| 94         | 4-Nonylphenol, branched and linear <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>  | -  | -                                     |
| 95         | 6-methoxy-m-toluidine (p-cresidine)  | 120-71-8   | 204-419-1                             |
| 96         | Acetic acid, lead salt, basic  | 51404-69-4   | 257-175-3                             |
| 97         | Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)   | 1163-19-5  | 214-604-9                             |
| 98         | Biphenyl-4-ylamine   | 92-67-1  | 202-177-1                             |
| 99         | Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2- dicarboxylic anhydride [3]<br><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 |
| 100        | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))  | 123-77-3   | 204-650-8                             |
| 101        | Dibutyltin dichloride (DBTC)   | 683-18-1   | 211-670-0                             |
| 102        | Diethyl sulphate   | 64-67-5  | 200-589-6                             |
| 103        | Diisopentylphthalate   | 605-50-5   | 210-088-4                             |

|     |   |  |   |
|-----|---|--|---|
| 104 | Dimethyl sulphate   | 77-78-1  | 201-058-1   |
| 105 | Dinoseb (6-sec-butyl-2,4-dinitrophenol)   | 88-85-7  | 201-861-7   |
| 106 | Dioxobis(stearato)trilead   | 12578-12-0   | 235-702-8   |
| 107 | Fatty acids, C16-18, lead salts   | 91031-62-8   | 292-966-7   |
| 108 | Furan   | 110-00-9   | 203-727-3   |
| 109 | Henicosafuoroundecanoic acid  | 2058-94-8  | 218-165-4   |
| 110 | Heptacosafuorotetradecanoic acid  | 376-06-7   | 206-803-4   |
| 111 | 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,<br>34090-76-1 | 247-094-1,<br>243-072-0,<br>256-356-4,<br>260-566-1,<br>251-823-9 |
| 112 | Lead bis(tetrafluoroborate)   | 13814-96-5   | 237-486-0   |
| 113 | Lead cyanamidate  | 20837-86-9   | 244-073-9   |
| 114 | Lead dinitrate  | 10099-74-8   | 233-245-9   |
| 115 | Lead monoxide (lead oxide)  | 1317-36-8  | 215-267-0   |
| 116 | Lead oxide sulfate  | 12036-76-9   | 234-853-7   |
| 117 | Lead titanium trioxide  | 12060-00-3   | 235-038-9   |
| 118 | Lead titanium zirconium oxide   | 12626-81-2   | 235-727-4   |
| 119 | Methoxy acetic acid   | 625-45-6   | 210-894-6   |
| 120 | Methyloxirane (Propylene oxide)   | 75-56-9  | 200-879-2   |
| 121 | N-methylacetamide   | 79-16-3  | 201-182-6   |
| 122 | N,N-dimethylformamide   | 68-12-2  | 200-679-5   |
| 123 | N-pentyl-isopentylphthalate   | 776297-69-9  | -   |
| 124 | o-aminoazotoluene   | 97-56-3  | 202-591-2   |
| 125 | o-Toluidine   | 95-53-4  | 202-429-0   |
| 126 | Orange lead (lead tetroxide)  | 1314-41-6  | 215-235-6   |
| 127 | Pentacosafuorotridecanoic acid  | 72629-94-8   | 276-745-2   |
| 128 | Pentalead tetraoxide sulphate   | 12065-90-6   | 235-067-7   |
| 129 | [Phthalato(2-)]dioxotrilead   | 69011-06-9   | 273-688-5   |
| 130 | Pyrochlore, antimony lead yellow  | 8012-00-8  | 232-382-1   |
| 131 | Silicic acid, lead salt   | 11120-22-2   | 234-363-3   |
| 132 | Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped<br><i>[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]</i> | 68784-75-8   | 272-271-5   |
| 133 | Sulfurous acid, lead salt, dibasic  | 62229-08-7   | 263-467-1   |
| 134 | Tetraethyllead  | 78-00-2  | 201-075-4   |
| 135 | Tetralead trioxide sulphate   | 12202-17-4   | 235-380-9   |
| 136 | Tricosafuorododecanoic acid   | 307-55-1   | 206-203-2   |
| 137 | Trilead bis(carbonate)dihydroxide   | 1319-46-6  | 215-290-6   |
| 138 | Trilead dioxide phosphonate   | 12141-20-7   | 235-252-2   |

Table 9: Batch 9 Substances Listed as SVHC Candidates (2013/06/21)

| <b>No.</b> | <b>Substance Name</b>                           | <b>CAS Number</b> | <b>EC Number</b> |
|------------|---|-------------------|------------------|
| 139        | Cadmium   | 7440-43-9         | 231-152-8        |
| 140        | Cadmium oxide                                   | 1306-19-0         | 215-146-2        |
| 141        | Ammonium pentadecafluorooctanoate (APFO)        | 3825-26-1         | 223-320-4        |
| 142        | Pentadecafluorooctanoic acid (PFOA)             | 335-67-1          | 206-397-9        |
| 143        | Dipentyl phthalate (DPP)                        | 131-18-0          | 205-017-9        |
| 144        | 4-Nonylphenol, branched and linear, ethoxylated | -                 | -                |

Table 10: Batch 10 Substances Listed as SVHC Candidates (2013/12/16)

| <b>No.</b> | <b>Substance Name</b>  | <b>CAS Number</b> | <b>EC Number</b> |
|------------|------------------------|-------------------|------------------|
| 145        | Cadmium sulphide       | 1306-23-6         | 215-147-8        |
| 146        | C.I. Direct Black 38   | 1937-37-7         | 217-710-3        |
| 147        | Diethyl phthalate      | 84-75-3           | 201-559-5        |
| 148        | Imidazolidine-2-thione | 96-45-7           | 202-506-9        |
| 149        | Triethyl phosphate     | 25155-23-1        | 246-677-8        |
| 150        | C.I. Direct Red 28     | 573-58-0          | 209-358-4        |
| 151        | Lead di(acetate)       | 301-04-2          | 206-104-4        |

Table 11: Batch 11 Substances Listed as SVHC Candidates (2014/06/16)

| <b>No.</b> | <b>Substance Name</b>  | <b>CAS Number</b> | <b>EC Number</b>    |
|------------|--|-------------------|---------------------|
| 152        | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 6851-50-4         | 271-093-5           |
| 153        | Sodium perborate; perboric acid, sodium salt                     |                   | 234-390-0;239-172-9 |
| 154        | Sodium peroxometaborate  | 763-04-4          | 231-556-4           |
| 155        | Cadmium chloride   | 10108-64-2        | 233-296-7           |

Table 12: Batch 12 Substances Listed as SVHC Candidates (2014/12/17)

| <b>No.</b> | <b>Substance Name</b>   | <b>CAS Number</b>         | <b>EC Number</b> |
|------------|---|---------------------------|------------------|
| 156        | Cadmium fluoride  | 7790-79-6                 | 232-222-0        |
| 157        | Cadmium sulphate  | 10124-36-4,<br>31119-53-6 | 233-331-6        |
| 158        | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)  | 3846-71-7                 | 223-346-6        |
| 159        | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)  | 25973-55-1                | 247-384-8        |
| 160        | 2-ethylhexyl<br>10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-di thia-4-stannatetradecanoate (DOTE)  | 15571-58-1                | 239-622-4        |
| 161        | reaction mass of 2-ethylhexyl<br>10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-di thia-4-stannatetradecanoate and<br>2-ethylhexyl<br>10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxo ethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) |                           |                  |

Table 13: Batch 13 Substances Listed as SVHC Candidates (2015/6/15)

| <b>No.</b> | <b>Substance Name</b>   | <b>CAS Number</b>        | <b>EC Number</b>       |
|------------|---|--------------------------|------------------------|
| 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 (EC No. 201-559-5) *   | 68515-51-5<br>68648-93-1 | 271-094-0<br>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 any combination thereof] |                          |                        |

Table 14: Batch 14 Substances Listed as SVHC Candidates (2015/12/15)

| <b>No.</b> | <b>Substance Name</b>  | <b>CAS Number</b>                   | <b>EC Number</b> |
|------------|--|-------------------------------------|------------------|
| 164        | 1,3-propanesultone   | 1120-71-4                           | 214-317-9        |
| 165        | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)       | 3864-99-1                           | 223-383-8        |
| 166        | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3                          | 253-037-1        |
| 167        | Nitrobenzene   | 98-95-3                             | 202-716-0        |
| 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        |

Table 15: Batch 15 Substances Listed as SVHC Candidates (2016/06/20)

| <b>No.</b> | <b>Substance Name</b>                | <b>CAS Number</b> | <b>EC Number</b> |
|------------|--------------------------------------|-------------------|------------------|
| 169        | Benzo [def]chrysene (Benzo[a]pyrene) | 200-028-5         | 50-32-8          |

Table 16: Batch 16 Substances Listed as SVHC Candidates (2017/1/12)

| <b>No.</b> | <b>Substance Name</b>   | <b>CAS Number</b>                         | <b>EC Number</b>            |
|------------|---|---|-----------------------------|
| 170        | 4,4'-isopropylidenediphenol (bisphenol A; BPA)  | 80-05-7                                   | 201-245-8                   |
| 171        | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts  | -<br>335-76-2,<br>3830-45-3<br>3108-42-7, | -<br>206-400-3<br>221-470-5 |
| 172        | p-(1,1-dimethylpropyl)phenol  | 80-46-6                                   | 201-280-9                   |
| 173        | 4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] | -   | -                           |

Table 17: Batch 17 Substances Listed as SVHC Candidates (2017/7/7)

| <b>No.</b> | <b>Substance Name</b>                                  | <b>CAS Number</b> | <b>EC Number</b> |
|------------|--|-------------------|------------------|
| 174        | Perfluorohexane-1-sulphonic acid and its salts (PFHxS) | -                 | -                |

Table 18: Batch 18 Substances Listed as SVHC Candidates (2018/1/15)

| <b>No.</b> | <b>Substance Name</b> | <b>CAS Number</b>    | <b>EC Number</b> |
|------------|-----------------------|----------------------|------------------|
| 175        | Benz[a]anthracene     | 56-55-3<br>1718-53-2 | 200-280-6        |
| 176        | Cadmium carbonate#    | 513-78-0             | 208-168-9        |
| 177        | Cadmium hydroxide#    | 21041-95-2           | 244-168-5        |



|     |   |                           |           |
|-----|---|---------------------------|-----------|
| 178 | Cadmium nitrate#  | 10022-68-1,<br>10325-94-7 | 233-710-6 |
| 179 | Chrysene  | 218-01-9,<br>1719-03-5    | 205-923-4 |
| 180 | Dodecachloropentacyclo[12.2.1.16,<br>9.02.13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM)<br>[covering any of its individual anti - and syn- isomers or any<br>combination thereof]       | --                        | --        |
| 181 | Reaction products of 1,3,4-<br>thiadiazolidine-2,5-dithione, formaldehyde and 4-<br>heptylphenol, branched and linear (RP-HP) [with≥0.1% w/w<br>4-heptylphenol, branched and linear (4-HPbl)] | --                        | --        |

Table 19: Batch 19 Substances Listed as SVHC Candidates (2018/6/27)

| <b>No.</b> | <b>Substance Name</b>   | <b>CAS Number</b> | <b>EC Number</b> |
|------------|---|-------------------|------------------|
| 182        | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA) | 552-30-7          | 209-008-0        |
| 183        | Benzo[ghi]perylene  | 191-24-2          | 205-883-8        |
| 184        | Decamethylcyclopentasiloxane (D5)   | 541-02-6          | 208-764-9        |
| 185        | Dicyclohexyl phthalate (DCHP)   | 84-61-7           | 201-545-9        |
| 186        | Disodium octaborate   | 12008-41-2        | 234-541-0        |
| 187        | Dodecamethylcyclohexasiloxane (D6)  | 540-97-6          | 208-762-8        |
| 188        | Ethylenediamine (EDA)   | 107-15-3          | 203-468-6        |
| 189        | Lead#   | 7439-92-1         | 231-100-4        |
| 190        | Octamethylcyclotetrasiloxane (D4)   | 556-67-2          | 209-136-7        |
| 191        | Terphenyl, hydrogenated   | 61788-32-7        | 262-967-7        |

Table 20: Batch 20 Substances Listed as SVHC Candidates (2019/1/16)

| <b>No.</b> | <b>Substance Name</b>  | <b>CAS Number</b> | <b>EC Number</b> |
|------------|--|-------------------|------------------|
| 192        | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane  | 6807-17-6         | 401-720-1        |
| 193        | Benzo[k]fluoranthene   | 207-08-9          | 205-916-6        |
| 194        | Fluoranthene   | 206-44-0          | 205-912-4        |
| 195        | Phenanthrene   | 85-01-8           | 201-581-5        |
| 195        | Pyrene   | 129-00-0          | 204-927-3        |
| 197        | 1,7,7- trimethyl -3- ( phenylmethylene ) bicycle<br>[ 2.2.1 ] heptan 2 - one ( 3-benzylidene camphor ) | 15087-24-8        | 239-139-9        |

Table 21: Batch 21 Substances Listed as SVHC Candidates (2019/7/16)

| <b>No.</b> | <b>Substance Name</b>  | <b>CAS Number</b> | <b>EC Number</b> |
|------------|--|-------------------|------------------|
| 198        | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) | -                 | -                |
| 199        | 2-methoxyethyl acetate   | 110-49-6          | 203-772-9        |
| 200        | 4-tert-butylphenol(PTBP)   | 98-54-4           | 202-679-0        |
| 201        | TNPP<br>Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with<br>≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)                            | --                | --               |

Table 22: Batch 22 Substances Listed as SVHC Candidates (2020/1/16)

| <b>No.</b> | <b>Substance Name</b>                                    | <b>CAS Number</b> | <b>EC Number</b> |
|------------|--|-------------------|------------------|
| 202        | Diisohexyl phthalate                                     | 71850-09-4        | 276-090-2        |
| 203        | 2-benzyl-2-dimethylamino-4-morpholinobutyrophenone       | 119313-12-1       | 404-360-3        |
| 204        | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 71868-10-5        | 400-600-6        |
| 205        | Perfluorobutane sulfonic acid (PFBS) and its salts       | --                | --               |

Table 23: Batch 23 Substances Listed as SVHC Candidates (2020/6/25)

| <b>No.</b> | <b>Substance Name</b>                    | <b>CAS Number</b> | <b>EC Number</b> |
|------------|--|-------------------|------------------|
| 206        | 1-Vinylimidazole                         | 1072-63-5         | 214-012-0        |
| 207        | 2-Methylimidazole                        | 693-98-1          | 211-765-7        |
| 208        | Dibutylbis(pentane-2,4-dionato-O,O') tin | 22673-19-4        | 245-152-0        |
| 209        | Butyl 4-hydroxybenzoate (Butylparaben)   | 94-26-8           | 202-318-7        |

Table 24: Batch 24 Substances Listed as SVHC Candidates (2021/01/19)

| <b>No.</b> | <b>Substance Name</b>  | <b>CAS Number</b> | <b>EC Number</b> |
|------------|--|-------------------|------------------|
| 210        | Bis(2-(2-methoxyethoxy)ethyl)ether   | 143-24-8          | 205-594-7        |
| 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 | --                | --               |

Table 25: Batch 25 Substances Listed as SVHC Candidates (2021/07/08)

| <b>No.</b> | <b>Substance Name</b>  | <b>CAS Number</b>                                | <b>EC Number</b>                    |
|------------|--|--|-------------------------------------|
| 212        | 1,4-dioxane  | 123-91-1   | 204-661-8                           |
| 213        | 2,2-bis(bromomethyl)propane-1,3-diol (BMP);<br>2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA);<br>2,3-dibromo-1-propanol (2,3-DBPA)            | 3296-90-0<br>36483-57-5/<br>1522-92-5<br>96-13-9 | 221-967-7<br>253-057-0<br>202-480-9 |
| 214        | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers   | -  | -                                   |
| 215        | 4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)   | 77-40-7  | 201-025-1                           |
| 216        | Glutaral   | 111-30-8   | 203-856-5                           |
| 217        | Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]          | -  | -                                   |
| 218        | Orthoboric acid, sodium salt   | 13840-56-7                                       | 237-560-2                           |
| 219        | Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP) | -  | -                                   |

Table 26: Batch 26 Substances Listed as SVHC Candidates (2022/01/17)

| <b>No.</b> | <b>Substance Name</b>  | <b>CAS Number</b>                         | <b>EC Number</b>            |
|------------|--|---|-----------------------------|
| 220        | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol   | 119-47-1                                  | 204-327-1                   |
| 221        | tris(2-methoxyethoxy)vinylsilane   | 1067-53-4                                 | 213-934-0                   |
| 222        | (±)-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) | 1782069-81-1<br>95342-41-9<br>852541-25-4 | 701-394-3<br>701-420-3<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 | 36861-47-9<br>741687-98-9<br>852541-30-1<br>852541-21-0 | 253-242-6<br>—<br>—<br>— |
| 223 | S-(tricyclo(5.2.1.02,6)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                |

Table 27: Batch 27 Substances Listed as SVHC Candidates (2022/06/10)

| <b>No.</b> | <b>Substance Name</b>       | <b>CAS Number</b> | <b>EC Number</b> |
|------------|-----------------------------|-------------------|------------------|
| 224        | N-(hydroxymethyl)acrylamide | 924-42-5          | 213-103-2        |

Table 28: Batch 28 Substances Listed as SVHC Candidates (2023/01/17)

| <b>No.</b> | <b>Substance Name</b>   | <b>CAS Number</b> | <b>EC Number</b> |
|------------|---|-------------------|------------------|
| 225        | 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]  | 37853-59-1        | 253-692-3        |
| 226        | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol  | 79-94-7           | 201-236-9        |
| 227        | 4,4'-sulphonyldiphenol  | 80-09-1           | 201-250-5        |
| 228        | Barium diboron tetraoxide   | 13701-59-2        | 237-222-4        |
| 229        | Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof:<br>Bis(2-ethylhexyl) tetrabromophthalate            | -                 | -                |
| 230        | Isobutyl 4-hydroxybenzoate  | 4247-02-3         | 224-208-8        |
| 231        | Melamine  | 108-78-1          | 203-615-4        |
| 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 | -                 | 473-390-7        |

Table 29: Batch 29 Substances Listed as SVHC Candidates (2023/06/14)

| <b>No.</b> | <b>Substance Name</b>                           | <b>CAS Number</b> | <b>EC Number</b> |
|------------|---|-------------------|------------------|
| 234        | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 75980-60-8        | 278-355-8        |
| 235        | Bis(4-chlorophenyl) sulphone                    | 80-07-9           | 201-247-9        |