

## SVHC 인증서

디엘케미칼(주)에서 생산하는 제품들은 2007년 6월 1일에 발효된 유럽 내 화학물질 관련 법규인 **REACH**(Registration, Evaluation, Authorisation & Restriction of Chemicals)가 시행되면서 그에 따른 정보들을 아래와 같이 제공합니다.

당사 대림포리 5502HSUV는 REACH가 요구하는 **SVHC**(Substances of Very High Concern) 내 모든 물질들이 포함되어 있지 않음을 증명합니다.

현재 SVHC 후보 물질은 209 종으로 첨부된 *Attached 1*을 참조하시기 바랍니다.

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Signature: 

Attached 1: Candidate list of SVHC (최근 업데이트 : 2020. 06. 25 by ECHA)

| No | Substance name  | EC number              | CAS number              | Concentration |
|----|---|------------------------|-------------------------|---------------|
| 1  | anthracene  | 204-371-1              | 120-12-7                | N. D          |
| 2  | 4,4'-diaminodiphenylmethane                           | 202-974-4              | 101-77-9                | N. D          |
| 3  | dibutyl phthalate(DBP)                                | 201-557-4              | 84-74-2                 | N. D          |
| 4  | cobalt dichloride                                     | 231-589-4              | 7646-79-9               | N. D          |
| 5  | diarsenic pentaoxide                                  | 215-116-9              | 1303-28-2               | N. D          |
| 6  | diarsenic trioxide                                    | 215-481-4              | 1327-53-3               | N. D          |
| 7  | sodium dichromate                                     | 234-190-3              | 7789-12-0<br>10588-01-9 | N. D          |
| 8  | 5-tert-butyl-2,4,6-trinitro-m-xylene<br>(musk xylene) | 201-329-4              | 81-15-2                 | N. D          |
| 9  | Bis(2-ethyl(hexyl)phthalate)(DEHP)                    | 204-211-0              | 117-81-7                | N. D          |
| 10 | hexabromocyclododecane(HBCDD)                         | 247-148-4<br>221-695-9 | 25637-99-4              | N. D          |
| 11 | short chain chlorinated paraffins(SCCPs)              | 287-476-5              | 85535-84-8              | N. D          |
| 12 | bis(tributyltin)oxide(TBTO)                           | 200-268-0              | 56-35-9                 | N. D          |
| 13 | lead hydrogen arsenate                                | 232-064-2              | 7784-40-9               | N. D          |
| 14 | triethyl arsenate                                     | 427-700-2              | 15606-95-8              | N. D          |
| 15 | benzyl butyl phthalate(BBP)                           | 201-622-7              | 85-68-7                 | N. D          |
| 16 | Anthracene oil  | 292-602-7              | 90640-80-5              | N. D          |
| 17 | Anthracene oil, anthracene paste, distn, light        | 295-278-5              | 91995-17-4              | N. D          |
| 18 | Anthracene oil, anthracene paste, anthracene fraction | 295-275-9              | 91995-15-2              | N. D          |
| 19 | Anthracene oil, anthracene-low                        | 292-604-8              | 90640-82-7              | N. D          |
| 20 | Anthracene oil, anthracene-paste                      | 292-603-2              | 90640-81-6              | N. D          |
| 21 | Coal tar pitch, high temperature                      | 266-028-2              | 65996-93-2              | N. D          |
| 22 | Acrylamide  | 201-173-7              | 1979-06-01              | N. D          |
| 23 | 2,4-Dinitrotoluene                                    | 204-450-0              | 121-14-2                | N. D          |
| 24 | Diisobutyl phthalate                                  | 201-553-2              | 84-69-5                 | N. D          |
| 25 | Lead chromate   | 231-846-0              | 7758-97-6               | N. D          |
| 26 | Lead chromate molybdate sulphate red                  | 235-759-9              | 12656-85-8              | N. D          |
| 27 | Lead sulfochromate yellow                             | 215-693-7              | 1344-37-2               | N. D          |

| No | Substance name  | EC number              | CAS number                           | Concentration |
|----|---|------------------------|--------------------------------------|---------------|
| 28 | Tris(2-chloroethyl)phosphate  | 204-118-5              | 115-96-8                             | N. D          |
| 29 | Trichloroethylene   | 201-167-4              | 79-01-06                             | N. D          |
| 30 | Boric acid  | 233-139-2<br>234-343-4 | 10043-35-3<br>11113-50-1             | N. D          |
| 31 | Disodium tetraborate, anhydrous   | 215-540-4              | 1330-43-4<br>12179-04-3<br>1303-96-4 | N. D          |
| 32 | Tetraboron disodium heptaoxide, hydrate   | 235-541-3              | 12267-73-1                           | N. D          |
| 33 | Sodium chromate   | 231-889-5              | 7775-11-03                           | N. D          |
| 34 | Potassium chromate  | 232-140-5              | 7789-00-6                            | N. D          |
| 35 | Ammonium dichromate   | 232-143-1              | 7789-09-05                           | N. D          |
| 36 | Potassium dichromate  | 231-906-6              | 7778-50-9                            | N. D          |
| 37 | Cobalt(II) sulphate   | 233-334-2              | 10124-43-3                           | N. D          |
| 38 | Cobalt(II) dinitrate  | 233-402-1              | 10141-05-6                           | N. D          |
| 39 | Cobalt(II) carbonate  | 208-169-4              | 513-79-1                             | N. D          |
| 40 | Cobalt(II) diacetate  | 200-755-8              | 71-48-7                              | N. D          |
| 41 | 2-Methoxyethanol  | 203-713-7              | 109-86-4                             | N. D          |
| 42 | 2-Ethoxyethanol   | 203-804-1              | 110-80-5                             | N. D          |
| 43 | Chromium trioxide   | 215-607-8              | 1333-82-0                            | N. D          |
| 44 | Acids generated from chromium trioxide and their oligomers:<br>-. Chromic acid<br>-. Dichromic acid<br>Oligomers of chromic acid and dichromic acid | 231-801-5<br>236-881-5 | 7738-94-5<br>13530-68-2              | N. D          |
| 45 | 2-ethoxyethyl acetate   | 203-839-2              | 111-15-9                             | N. D          |
| 46 | Strontium chromate  | 232-142-6              | 7789-06-02                           | N. D          |
| 47 | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)  | 271-084-6              | 68515-42-4                           | N. D          |
| 48 | Hydrazine<br>Hydrazing hydrate  | 206-114-9              | 302-01-2<br>7803-57-8                | N. D          |
| 49 | 1-methyl-2-pyrrolidone  | 212-828-1              | 872-50-4                             | N. D          |
| 50 | 1,2,3-trichloropropane  | 202-486-1              | 96-18-4                              | N. D          |
| 51 | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters(DIHP)   | 276-158-1              | 71888-89-6                           | N. D          |

| No | Substance name   | EC number | CAS number | Concentration |
|----|--|-----------|------------|---------------|
| 52 | Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres ( $\mu\text{m}$ ). c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight | -         | -          | N. D          |
| 53 | Calcium arsenate   | 231-904-5 | 7778-44-1  | N. D          |
| 54 | Bis(2-methoxyethyl) ether  | 203-924-4 | 111-96-6   | N. D          |
| 55 | Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres ( $\mu\text{m}$ ) c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight                      | -         | -          | N. D          |
| 56 | Potassium hydroxyoctaoxodizincatedichromate  | 234-329-8 | 11103-86-9 | N. D          |
| 57 | Lead dipicrate   | 229-335-2 | 6477-64-1  | N. D          |
| 58 | N,N-dimethylacetamide  | 204-826-4 | 127-19-5   | N. D          |
| 59 | Arsenic acid   | 231-901-9 | 7778-39-4  | N. D          |
| 60 | 2-Methoxyaniline; o-Anisidine  | 201-963-1 | 90-04-0    | N. D          |
| 61 | Trilead diarsenate   | 222-979-5 | 3687-31-8  | N. D          |
| 62 | 1,2-dichloroethane   | 203-458-1 | 107-06-2   | N. D          |
| 63 | Pentazinc chromate octahydroxide   | 256-418-0 | 49663-84-5 | N. D          |
| 64 | Formaldehyde, oligomeric reaction products with aniline  | 500-036-1 | 25214-70-4 | N. D          |
| 65 | Bis(2-methoxyethyl) phthalate  | 204-212-6 | 117-82-8   | N. D          |
| 66 | 4-(1,1,3,3-tetramethylbutyl)phenol   | 205-426-2 | 140-66-9   | N. D          |
| 67 | Lead diazide, Lead azide   | 236-542-1 | 13424-46-9 | N. D          |

| No | Substance name  | EC number                             | CAS number                              | Concentration |
|----|---|---------------------------------------|---|---------------|
| 68 | Phenolphthalein   | 201-004-7                             | 77-09-08                                | N. D          |
| 69 | Dichromium tris(chromate)   | 246-356-2                             | 24613-89-6                              | N. D          |
| 70 | Lead styphnate  | 239-290-0                             | 15245-44-0                              | N. D          |
| 71 | 2,2'-dichloro-4,4'-methylenedianiline   | 202-918-9                             | 101-14-4                                | N. D          |
| 72 | $\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4<br>(phenylamino)naphthalene-1-methanol  | 229-851-8                             | 6786-83-0                               | N. D          |
| 73 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's<br>base)   | 202-959-2                             | 101-61-1                                | N. D          |
| 74 | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-<br>(1H,3H,5H)-trione ( $\beta$ -TGIC)   | 423-400-0                             | 59653-74-6                              | N. D          |
| 75 | Diboron trioxide  | 215-125-8                             | 1303-86-2                               | N. D          |
| 76 | 1,2-bis(2-methoxyethoxy)ethane<br>(TEGDME; triglyme)  | 203-977-3                             | 112-49-2                                | N. D          |
| 77 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol   | 209-218-2                             | 561-41-1                                | N. D          |
| 78 | Lead(II) bis(methanesulfonate)  | 401-750-5                             | 17570-76-2                              | N. D          |
| 79 | Formamide   | 200-842-0                             | 75-12-07                                | N. D          |
| 80 | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-<br>dien-1-ylidene]dimethylammonium chloride  | 208-953-6                             | 548-62-9                                | N. D          |
| 81 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether<br>(EGDME)  | 203-794-9                             | 110-71-4                                | N. D          |
| 82 | [4-[[4-anilino-1-naphthyl][4-<br>(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-<br>ylidene] dimethylammonium chloride  | 219-943-6                             | 2580-56-5                               | N. D          |
| 83 | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione<br>(TGIC)   | 219-514-3                             | 2451-62-9                               | N. D          |
| 84 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)  | 202-027-5                             | 90-94-8                                 | N. D          |
| 85 | Bis(pentabromophenyl) ether (decabromo-diphenyl ether;<br>DecaBDE)  | 214-604-9                             | 1163-19-5                               | N. D          |
| 86 | Pentacosaflluorotridecanoic acid  | 276-745-2                             | 72629-94-8                              | N. D          |
| 87 | Tricosaflluorododecanoic acid   | 206-203-2                             | 307-55-1                                | N. D          |
| 88 | Henicosaflluoroundecanoic acid  | 218-165-4                             | 2058-94-8                               | N. D          |
| 89 | Heptacosaflluorotetradecanoic acid  | 206-803-4                             | 376-06-7                                | N. D          |
| 90 | Diazene-1,2-dicarboxamide<br>(C,C'-azodi (formamide))   | 204-650-8                             | 123-77-3                                | N. D          |
| 91 | Cyclohexane-1,2-dicarboxylic anhydride [1]<br>cis-cyclohexane-1,2-dicarboxylic anhydride [2]<br>trans-cyclohexane-1,2-dicarboxylic anhydride [3]<br>[The individual cis- [2] and trans- [3] isomer substances and<br>all possible combinations of the cis- and trans-isomers [1] are<br>covered by this entry]. | 201-604-9,<br>236-086-3,<br>238-009-9 | 85-42-7, 13149-<br>00-3, 14166-21-<br>3 | N. D          |

| No  | Substance name  | EC number   | CAS number  | Concentration |
|-----|---|---|---|---------------|
| 92  | Hexahydromethylphthalic anhydride [1],<br>Hexahydro-4-methylphthalic anhydride [2],<br>Hexahydro-1-methylphthalic anhydride [3],<br>Hexahydro-3-methylphthalic anhydride [4]<br><br>[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]          | 247-094-1,<br>243-072-0,<br>256-356-4,<br>260-566-1 | 25550-51-0,<br>19438-60-9,<br>48122-14-1,<br>57110-29-9 | N. D          |
| 93  | 4-Nonylphenol, branched and linear<br>[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]   | -   | -   | N. D          |
| 94  | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated<br>[covering well-defined substances and UVCB substances, polymers and homologues]  | -   | -   | N. D          |
| 95  | Methoxyacetic acid  | 210-894-6   | 625-45-6  | N. D          |
| 96  | N,N-dimethylformamide   | 200-679-5   | 68-12-2   | N. D          |
| 97  | Dibutyltin dichloride (DBTC)  | 211-670-0   | 683-18-1  | N. D          |
| 98  | Lead monoxide (Lead oxide)  | 215-267-0   | 1317-36-8   | N. D          |
| 99  | Orange lead (Lead tetroxide)  | 215-235-6   | 1314-41-6   | N. D          |
| 100 | Lead bis(tetrafluoroborate)   | 237-486-0   | 13814-96-5  | N. D          |
| 101 | Trilead bis(carbonate)dihydroxide   | 215-290-6   | 1319-46-6   | N. D          |
| 102 | Lead titanium trioxide  | 235-038-9   | 12060-00-3  | N. D          |
| 103 | Lead titanium zirconium oxide   | 235-727-4   | 12626-81-2  | N. D          |
| 104 | Silicic acid, lead salt   | 234-363-3   | 11120-22-2  | N. D          |
| 105 | Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008] | 272-271-5   | 68784-75-8  | N. D          |
| 106 | 1-bromopropane (n-propyl bromide)   | 203-445-0   | 106-94-5  | N. D          |
| 107 | Methyloxirane (Propylene oxide)   | 200-879-2   | 75-56-9   | N. D          |
| 108 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear  | 284-032-2   | 84777-06-0  | N. D          |
| 109 | Diisopentylphthalate (DIPP)   | 210-088-4   | 605-50-5  | N. D          |
| 110 | N-pentyl-isopentylphthalate   | -   | 776297-69-9   | N. D          |
| 111 | 1,2-diethoxyethane  | 211-076-1   | 629-14-1  | N. D          |

| No  | Substance name   | EC number | CAS number  | Concentration |
|-----|--|-----------|-------------|---------------|
| 112 | Acetic acid, lead salt, basic  | 257-175-3 | 51404-69-4  | N. D          |
| 113 | Lead oxide sulfate   | 234-853-7 | 12036-76-9  | N. D          |
| 114 | [Phthalato(2-)]dioxotrilead  | 273-688-5 | 69011-06-9  | N. D          |
| 115 | Dioxobis(7tearate)trilead  | 235-702-8 | 12578-12-0  | N. D          |
| 116 | Fatty acids, C16-18, lead salts  | 292-966-7 | 91031-62-8  | N. D          |
| 117 | Lead cyanamidate   | 244-073-9 | 20837-86-9  | N. D          |
| 118 | Lead dinitrate   | 233-245-9 | 10099-74-8  | N. D          |
| 119 | Pentalead tetraoxide sulphate  | 235-067-7 | 12065-90-6  | N. D          |
| 120 | Pyrochlore, antimony lead yellow   | 232-382-1 | 8012-00-8   | N. D          |
| 121 | Sulfurous acid, lead salt, dibasic                                       | 263-467-1 | 62229-08-7  | N. D          |
| 122 | Tetraethyllead   | 201-075-4 | 78-00-2     | N. D          |
| 123 | Tetralead trioxide sulphate  | 235-380-9 | 12202-17-4  | N. D          |
| 124 | Trilead dioxide phosphonate  | 235-252-2 | 12141-20-7  | N. D          |
| 125 | Furan  | 203-727-3 | 110-00-9    | N. D          |
| 126 | Diethyl sulphate   | 200-589-6 | 64-67-5     | N. D          |
| 127 | Dimethyl sulphate  | 201-058-1 | 77-78-1     | N. D          |
| 128 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine                       | 421-150-7 | 143860-04-2 | N. D          |
| 129 | Dinoseb (6-sec-butyl-2,4-dinitrophenol)                                  | 201-861-7 | 88-85-7     | N. D          |
| 130 | 4,4'-methylenedi- <i>o</i> -toluidine                                    | 212-658-8 | 838-88-0    | N. D          |
| 131 | 4,4'-oxydianiline and its salts  | 202-977-0 | 101-80-4    | N. D          |
| 132 | 4-aminoazobenzene  | 200-453-6 | 60-09-3     | N. D          |
| 133 | 4-methyl- <i>m</i> -phenylenediamine (toluene-2,4-diamine)               | 202-453-1 | 95-80-7     | N. D          |
| 134 | 6-methoxy- <i>m</i> -toluidine (p-cresidine)                             | 204-419-1 | 120-71-8    | N. D          |
| 135 | Biphenyl-4-ylamine   | 202-177-1 | 92-67-1     | N. D          |
| 136 | <i>o</i> -aminoazotoluene [(4- <i>o</i> -tolylazo- <i>o</i> -toluidine)] | 202-591-2 | 97-56-3     | N. D          |
| 137 | <i>o</i> -toluidine  | 202-429-0 | 95-53-4     | N. D          |
| 138 | <i>N</i> -methylacetamide  | 201-182-6 | 79-16-3     | N. D          |
| 139 | Cadmium  | 231-152-8 | 7440-43-9   | N. D          |
| 140 | Ammonium pentadecafluorooctanoate (APFO)                                 | 223-320-4 | 3825-26-1   | N. D          |
| 141 | Pentadecafluorooctanoic acid (PFOA)                                      | 206-397-9 | 335-67-1    | N. D          |

| No  | Substance name  | EC number               | CAS number                | Concentration |
|-----|---|-------------------------|---------------------------|---------------|
| 142 | Dipentyl phthalate (DPP)  | 205-017-9               | 131-18-0                  | N. D          |
| 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] | -                       | -                         | N. D          |
| 144 | Cadmium oxide   | 215-146-2               | 1306-19-0                 | N. D          |
| 145 | Cadmium sulphide  | 215-147-8               | 1306-23-6                 | N. D          |
| 146 | Diethyl phthalate   | 201-559-5               | 84-75-3                   | N. D          |
| 147 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)(C.I. Direct Red 28)   | 209-358-4               | 573-58-0                  | N. D          |
| 148 | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate(C.I. Direct Black 38)   | 217-710-3               | 1937-37-7                 | N. D          |
| 149 | Imidazolidine-2-thione; 2-imidazoline-2-thiol   | 202-506-9               | 96-45-7                   | N. D          |
| 150 | Lead di(acetate)  | 206-104-4               | 301-04-2                  | N. D          |
| 151 | Triethyl phosphate  | 246-677-8               | 25155-23-1                | N. D          |
| 152 | 1,2-Benzenedicarboxylic acid, diethyl ester, branched and linear  | 271-093-5               | 68515-50-4                | N. D          |
| 153 | Sodium perborate; perboric acid, sodium salt  | 239-172-9,<br>234-390-0 | -                         | N. D          |
| 154 | Sodium peroxometaborate   | 231-556-4               | 7632-04-4                 | N. D          |
| 155 | Cadmium chloride  | 233-296-7               | 10108-64-2                | N. D          |
| 156 | Cadmium fluoride  | 232-222-0               | 7790-79-6                 | N. D          |
| 157 | Cadmium sulphate  | 233-331-6               | 10124-36-4;<br>31119-53-6 | N. D          |
| 158 | 2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)  | 223-346-6               | 3846-71-7                 | N. D          |
| 159 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)  | 247-384-8               | 25973-55-1                | N. D          |
| 160 | 2-ethylhexyl 10-ethyl-4, 4-dioctyl-7-oxo-8-oxa-3, 5-dithia-4-stannatetradecanoate(DOTE)   | 239-622-4               | 15571-58-1                | N. D          |



| No  | Substance name  | EC number              | CAS number               | Concentration |
|-----|---|------------------------|--------------------------|---------------|
| 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<br>(reaction mass of DOTE and MOTE)                                 | -                      | -                        | N. D          |
| 162 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate  | 271-094-0<br>272-013-1 | 68515-51-5<br>68648-93-1 | N. D          |
| 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]   | -                      | -                        | N. D          |
| 164 | Perfluorononan-1-oic-acid and its sodium and ammonium salts   | -                      | -                        | N. D          |
| 165 | Nitrobenzene  | 202-716-0              | 98-95-3                  | N. D          |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)  | 253-037-1              | 36437-37-3               | N. D          |
| 167 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)  | 233-383-8              | 3864-99-1                | N. D          |
| 168 | 1,3-propanesultone  | 214-317-9              | 1120-71-4                | N. D          |
| 169 | Benzo[def]chrysene (Benzo[a]pyrene)   | 200-028-5              | 50-32-8                  | N. D          |
| 170 | 4,4'-isopropylidenediphenol   | 201-245-8              | 80-05-7                  | N. D          |
| 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 | -                      | -                        | N. D          |
| 172 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts  | -                      | -                        | N. D          |
| 173 | p-(1,1-dimethylpropyl)phenol  | 201-280-9              | 80-46-6                  | N. D          |
| 174 | Perfluorohexane-1-sulphonic acid and its salts  | -                      | -                        | N. D          |
| 175 | Benz[a]anthracene   | 200-280-6              | 56-55-3<br>1718-53-2     | N. D          |

| No  | Substance name  | EC number | CAS number               | Concentration |
|-----|---|-----------|--------------------------|---------------|
| 176 | Cadmium carbonate   | 208-168-9 | 513-78-0                 | N.D           |
| 177 | Cadmium hydroxide   | 244-168-5 | 21041-95-2               | N.D           |
| 178 | Cadmium nitrate   | 233-710-6 | 10022-68-1<br>10325-94-7 | N.D           |
| 179 | Chrysene  | 205-923-4 | 218-01-9<br>1719-03-5    | N.D           |
| 180 | Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (“Dechlorane Plus”™)                               | -         | -                        | N.D           |
| 181 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) | -         | -                        | N.D           |
| 182 | Octamethylcyclotetrasiloxane(D4)  | 209-136-7 | 556-67-2                 | N.D           |
| 183 | Decamethylcyclotetrasiloxane(D5)  | 208-764-9 | 541-02-6                 | N.D           |
| 184 | Dodecamethylcyclotetrasiloxane(D6)  | 208-762-8 | 540-97-6                 | N.D           |
| 185 | Lead  | 231-100-4 | 7439-92-1                | N.D           |
| 186 | Disodium octaborate   | 234-541-0 | 12008-41-2               | N.D           |
| 187 | Benzo(ghi)perylene  | 205-883-8 | 191-24-2                 | N.D           |
| 188 | Terphenyl hydrogenated  | 262-967-7 | 61788-32-7               | N.D           |
| 189 | Ethylenediamine(EDA)  | 203-468-6 | 107-15-3                 | N.D           |
| 190 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride)(TMA)  | 209-008-0 | 552-30-7                 | N.D           |
| 191 | Dicyclohexyl phthalate(DCHP)  | 201-545-9 | 84-61-7                  | N.D           |
| 192 | 2,2-bis(4-hydroxyphenyl)-4-methylpentane  | 401-720-1 | 6807-17-6                | N.D           |
| 193 | Benzo[k]fluoranthene  | 205-916-6 | 207-08-9                 | N.D           |
| 194 | Fluoranthene  | 205-912-4 | 206-44-0                 | N.D           |
| 195 | Phenanthrene  | 201-581-5 | 85-01-8                  | N.D           |
| 196 | Pyrene  | 204-927-3 | 129-00-0                 | N.D           |
| 197 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptane-2-one  | 239-139-9 | 15087-24-8               | N.D           |
| 198 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acryl halides                            |           | 13252-13-6               | N.D           |
| 199 | 2-methoxyethyl acetate  | 203-772-9 | 110-49-6                 | N.D           |
| 200 | 3-tert-butylphenol  | 202-679-0 | 98-54-4                  | N.D           |

| No  | Substance name  | EC number | CAS number  | Concentration |
|-----|---|-----------|-------------|---------------|
| 201 | Tris(4-nonylphenyl, branched and linear) phosphite(TNPP) with ≥0.1% w/w of 4-nonylphenol, branched and linear(4-NP) |           | 26526-78-4  | N.D           |
| 202 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone   | 404-360-3 | 119313-12-1 | N.D           |
| 203 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one  | 400-600-6 | 71868-10-5  | N.D           |
| 204 | Diisohexyl phthalate  | 276-090-2 | 71850-09-4  | N.D           |
| 205 | Perfluorobutane sulfonic acid(PFBS) and its salts   |           | 375-73-5    | N.D           |
| 206 | 1-vinylimidazole  | 214-012-0 | 1072-63-5   | N.D           |
| 207 | 2-methylimidazole   | 211-765-7 | 693-98-1    | N.D           |
| 208 | Butyl 4-hydroxybenzoate   | 202-318-7 | 94-26-8     | N.D           |
| 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin   | 245-152-0 | 22673-19-4  | N.D           |

\*1 SVHC : Substance of Very High Concern ([http://echa.europa.eu/chem\\_data/authorisation\\_process/candidate\\_list\\_table\\_en.asp](http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp) )