



**TEST REPORT**



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| Company Name | : |
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**Sample Description**

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| Name / Type of Product Item No. / Part No.  Material/Color  Manufacturer/Vendor  Date Received Test Period  Test Type  Test Site  Test Method(s) Test Results(s) | :  :  :  :  : 0000. 00. 00  : 0000. 00. 00 ~ 0000. 00. 00  : : Candidate List of Substances of Very High Concern for authorization  published by European Chemicals Agency (ECHA) Regarding  Regulation (EC) No. 1907/2006 concerning REACH  Fixed Test Lab (RM908~915 126, Beolmal-ro, Dongan-gu, Anyang-si) :  For the detail, please the following page(s). |

: For the detail, please the following page(s).

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Consumer Product Services



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**JIN KIM**   
Lab Manager / Bureau Veritas Korea CPS

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| Bureau Veritas CPS Korea  RM409, 8F RM901~902, RM908~915  (O-Biz tower) 126, Beolmal-ro, Dongan-gu, Anyang-si, Gyeonggi-do, 14057, Republic of Korea  Tel :+82.31.688.8000 Fax: +82.31.360.0276  Website: www.bureauveritas.co.kr/cps  **BVCPS-QPF-24-07(04)** | This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://w ww.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/ and is intended for your exclusive use. Any copying or re plication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permissi on. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indic ative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unles s specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information tha t you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on sim ple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from d ate of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertain ty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such iss ue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the corr ectness of the report contents. This report is independent of the KOLAS recognition criteria (KS Q ISO/IEC 17025) and KOLAS recognitio n. This report is independent of the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA. |

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**TEST RESULT**

**Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH.**

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| **No.** | **Substance name** | **CAS No.** | **EC No.** | **Basis for**  **identification as a SVHC** | **Detection Limit,**  **%** | **Result, %** |
| 1 | Triethyl arsenate\* | 15606-95-8 | 427-700-2 | Carcinogenic | 0.01 | ND |
| 2 | Anthracene | 120-12-7 | 204-371-1 | PBT | 0.005 | ND |
| 3 | 4,4’-Diaminodiphenyl methane (MDA) | 101-77-9 | 202-974-4 | Carcinogenic | 0.005 | ND |
| 4 | Dibutyl phthalate (DBP) | 84-74-2 | 201-557-4 | Toxic for  reproduction;  Equivalent level of concern having  probable serious  effects to human  health | 0.005 | ND |
| 5 | Cobalt dichloride\* | 7646-79-9 | 231-589-4 | Carcinogenic | 0.01 | ND |
| 6 | Diarsenic pentaoxide\* | 1303-28-2 | 215-116-9 | Carcinogenic | 0.01 | ND |
| 7 | Diarsenic trioxide\* | 1327-53-3 | 215-481-4 | Carcinogenic | 0.01 | ND |
| 8 | Sodium dichromate\* | 7789-12-0(1), 10588-01-9(2) | 234-190-3 | Carcinogenic; Mutagenic;  Toxic for  reproduction | 0.01 | ND |
| 9 | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) | 81-15-2 | 201-329-4 | vPvB | 0.005 | ND |
| 10 | 10 Bis (2-ethylhexyl) phthalate (DEHP) | 117-81-7 | 204-211-0 | Toxic for  reproduction;  Equivalent level of concern having  probable serious  effects to  environment and  human health | 0.005 | ND |
| 11 | Hexabromo  cyclododecane (HBCDD) and all major  diastereoisomers  identified:   - HBCDD   - HBCDD   - HBCDD | 3194-55-6(3), 25637-99-4(4)  134237-50-6  134237-51-7  134237-52-8 | 247-148-4, 221-695-9 | PBT | 0.005 | ND |
| 12 | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP) | 85535-84-8 | 287-476-5 | PBT, vPvB | 0.01 | ND |
| 13 | 13 Bis(tributyltin)oxide (TBTO)\*\* | 56-35-9 | 200-268-0 | PBT | 0.005 | ND |
| 14 | Lead hydrogen arsenate\* | 7784-40-9 | 232-064-2 | Carcinogenic; | 0.01 | ND |

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|  |  |  |  | Toxic for  reproduction |  |  |
| 15 | 15 Benzyl butyl phthalate (BBP) | 85-68-7 | 201-622-7 | Toxic for  reproduction;  Equivalent level of concern having  probable serious  effects to human  health | 0.005 | ND |
| 16 | 16 2,4-Dinitrotoluene | 121-14-2 | 204-450-0 | Carcinogenic | 0.005 | ND |
| 17 | 17 Anthracene oil | 90640-80-5 | 292-602-7 | Carcinogenic, PBT, vPvB | 0.01 | ND |
| 18 | Anthracene oil,  anthracene paste, distn.  Lights | 91995-17-4 | 295-278-5 | Carcinogenic; Mutagenic,  PBT, vPvB | 0.01 | ND |
| 19 | Anthracene oil,  anthracene paste,  anthracene fraction | 91995-15-2 | 295-275-9 | Carcinogenic; Mutagenic,  PBT, vPvB | 0.01 | ND |
| 20 | 20 Anthracene oil, anthracene-low | 90640-82-7 | 292-604-8 | Carcinogenic; Mutagenic,  PBT, vPvB | 0.01 | ND |
| 21 | 21 Anthracene oil, anthracene paste | 90640-81-6 | 292-603-2 | Carcinogenic; Mutagenic,  PBT, vPvB | 0.01 | ND |
| 22 | 22 Diisobutyl phthalate | 84-69-5 | 201-553-2 | Toxic for  reproduction;  Equivalent level of concern having  probable serious  effects to human  health | 0.005 | ND |
| 23 | Aluminosilicate,  Refractory Ceramic Fibres\*a | Index no. 650-017-00-8 | | Carcinogenic | 0.01 | ND |
| 24 | Zirconia Aluminosilicate, Refractory Ceramic  Fibres\*b | Index no. 650-017-00-8 | | Carcinogenic | 0.01 | ND |
| 25 | 25 Lead chromate\* | 7758-97-6 | 231-846-0 | Carcinogenic; Toxic for  reproduction | 0.01 | ND |
| 26 | Lead chromate molybdate sulfate red (C.I. Pigment Red 104)\* | 12656-85-8 | 235-759-9 | Carcinogenic; Toxic for  reproduction | 0.01 | ND |
| 27 | Lead sulfochromate yellow (C.I. Pigment Yellow 34)\* | 1344-37-2 | 215-693-7 | Carcinogenic; Toxic for  reproduction | 0.01 | ND |
| 28 | 28 Tris(2-chloroethyl) phosphate | 115-96-8 | 204-118-5 | Toxic for  reproduction | 0.005 | ND |
| 29 | 29 Coal tar pitch, high temperature | 65996-93-2 | 266-028-2 | Carcinogenic, PBT, vPvB | 0.01 | ND |
| 30 | 30 Acrylamide | 79-06-1 | 201-173-7 | Carcinogenic; Mutagenic | 0.005 | ND |
| 31 | 31 Trichloroethylene | 79-01-6 | 201-167-4 | Carcinogenic | 0.005 | ND |
| 32 | 32 Boric acid\* | 10043-35-3, 11113-50-1 | 233-139-2 / 234-343-4 | Toxic for  reproduction | 0.01 | ND |

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| 33 | 33 Disodium tetraborate, anhydrous\* | 1330-43-4(5), 12179-04-3(6), 1303-96-4(7) | 215-540-4 | Toxic for  reproduction | 0.01 | ND |
| 34 | 34 Tetraboron disodium heptaoxide, hydrate\* | 12267-73-1 | 235-541-3 | Toxic for  reproduction | 0.01 | ND |
| 35 | 35 Sodium chromate\* | 7775-11-3 | 231-889-5 | Carcinogenic; Mutagenic;  Toxic for  reproduction | 0.01 | ND |
| 36 | 36 Potassium chromate\* | 7789-00-6 | 232-140-5 | Carcinogenic; Mutagenic | 0.01 | ND |
| 37 | Ammonium dichromate\* | 7789-09-5 | 232-143-1 | Carcinogenic; Mutagenic;  Toxic for  reproduction | 0.01 | ND |
| 38 | 38 Potassium dichromate\* | 7778-50-9 | 231-906-6 | Carcinogenic; Mutagenic;  Toxic for  reproduction | 0.01 | ND |
| 39 | 39 Cobalt(II) sulphate\* | 10124-43-3 | 233-334-2 | Carcinogenic; Toxic for  reproduction | 0.01 | ND |
| 40 | 40 Cobalt(II) dinitrate\* | 10141-05-6 | 233-402-1 | Carcinogenic; Toxic for  reproduction | 0.01 | ND |
| 41 | 41 Cobalt(II) carbonate\* | 513-79-1 | 208-169-4 | Carcinogenic; Toxic for  reproduction | 0.01 | ND |
| 42 | 42 Cobalt(II) diacetate\* | 71-48-7 | 200-755-8 | Carcinogenic; Toxic for  reproduction | 0.01 | ND |
| 43 | 43 2-Methoxyethanol | 109-86-4 | 203-713-7 | Toxic for  reproduction | 0.005 | ND |
| 44 | 44 2-Ethoxyethanol | 110-80-5 | 203-804-1 | Toxic for  reproduction | 0.005 | ND |
| 45 | 45 Chromium trioxide\* | 1333-82-0 | 215-607-8 | Carcinogenic; Mutagenic | 0.01 | ND |
| 46 | Acid generated from chromium trioxide and their oligomers:  Chromic acid\*  Dichromic acid\*  Oligomers of chromic  acid and dichromic acid\* | 7738-94-5 13530-68-2 | 231-801-5 236-881-5 | Carcinogenic | 0.01 | ND |
| 47 | 47 2-Ethoxyethyl acetate | 111-15-9 | 203-839-2 | Toxic for  reproduction | 0.005 | ND |
| 48 | 48 Strontium Chromate\* | 7789-06-2 | 232-142-6 | Carcinogenic | 0.01 | ND |
| 49 | 1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester | 68515-42-4 | 271-084-6 | Toxic for  reproduction | 0.005 | ND |
| 50 | 50 Hydrazine | 302-01-2  7803-57-8 | 206-114-9 | Carcinogenic | 0.005 | ND |

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| 51 | 1-Methyl-2-pyrrolidone | 872-50-4 | 212-828-1 | Toxic for  reproduction | 0.005 | ND |
| 52 | 52 1,2,3-trichloropropane | 96-18-4 | 202-486-1 | Toxic for  reproduction | 0.005 | ND |
| 53 | 1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl ester, C7-rich  (DIHP) | 71888-89-6 | 276-158-1 | Toxic for  reproduction | 0.005 | ND |
| 54 | 54 Dichromium   tris(chromate)\* | 24613-89-6 | 246-356-2 | Carcinogenic | 0.01 | ND |
| 55 | Potassium  hydroxyoctaoxodizincated i-chromate\* | 11103-86-9 | 234-329-8 | Carcinogenic | 0.01 | ND |
| 56 | 56 Pentazinc chromate octahydroxide\* | 49663-84-5 | 256-418-0 | Carcinogenic | 0.01 | ND |
| 57 | Formaldehyde, oligomeric reaction products with  aniline (technical MDA) | 25214-70-4 | 500-036-1 | Carcinogenic | 0.005 | ND |
| 58 | 58 Bis(2-methoxyethyl) phthalate | 117-82-8 | 204-212-6 | Toxic for  reproduction | 0.005 | ND |
| 59 | 59 2-Methoxyaniline; o-Anisidine | 90-04-0 | 201-963-1 | Carcinogenic | 0.005 | ND |
| 60 | 4-(1,1,3,3- tetramethylbutyl)phenol, (4-tert-Octylphenol) | 140-66-9 | 205-426-2 | Equivalent level of concern | 0.005 | ND |
| 61 | 61 1,2-Dichloroethane | 107-06-2 | 203-458-1 | Carcinogenic | 0.005 | ND |
| 62 | Bis(2-methoxyethyl) ether | 111-96-6 | 203-924-4 | Toxic for  reproduction | 0.005 | ND |
| 63 | 63 Arsenic acid\* | 7778-39-4 | 231-901-9 | Carcinogenic | 0.01 | ND |
| 64 | 64 Calcium arsenate\* | 7778-44-1 | 231-904-5 | Carcinogenic | 0.01 | ND |
| 65 | 65 Trilead diarsenate\* | 3687-31-8 | 222-979-5 | Carcinogenic; Toxic for  reproduction | 0.01 | ND |
| 66 | N,N-dimethylacetamide (DMAC) | 127-19-5 | 204-826-4 | Toxic for  reproduction | 0.005 | ND |
| 67 | 2,2’-dichloro-4,4’-methylenedianiline (MOCA) | 101-14-4 | 202-918-9 | Carcinogenic | 0.005 | ND |
| 68 | 68 Phenolphthalein | 77-09-8 | 201-004-7 | Carcinogenic | 0.005 | ND |
| 69 | Lead azide, Lead diazide\* | 13424-46-9 | 236-542-1 | Toxic for  reproduction | 0.01 | ND |
| 70 | 70 Lead styphnate\* | 15245-44-0 | 239-290-0 | Toxic for  reproduction | 0.01 | ND |
| 71 | 71 Lead dipicrate\* | 6477-64-1 | 229-335-2 | Toxic for  reproduction | 0.01 | ND |
| 72 | 1,2-bis(2- methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 | Toxic for  reproduction | 0.005 | ND |

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| 73 | 1,2-dimethoxyethane;  ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 | Toxic for  reproduction | 0.005 | ND |
| 74 | 74 Diboron trioxide\* | 1303-86-2 | 215-125-8 | Toxic for  reproduction | 0.01 | ND |
| 75 | 75 Formamide | 75-12-7 | 200-842-0 | Toxic for  reproduction | 0.01 | ND |
| 76 | Lead(II)  bis(methanesulfonate)\* | 17570-76-2 | 401-750-5 | Toxic for  reproduction | 0.01 | ND |
| 77 | TGIC (1,3,5- tris(oxiranylmethyl)- 1,3,5-triazine- 2,4,6(1H,3H,5H)-trione) § | 2451-62-9 | 219-514-3 | Mutagenic | 0.005 | ND |
| 78 | β-TGIC (1,3,5-tris[(2S and 2R)-2,3- epoxypropyl]-1,3,5- triazine-2,4,6- (1H,3H,5H)-trione) § | 59653-74-6 | 423-400-0 | Mutagenic | 0.005 | ND |
| 79 | 4,4'- bis(dimethylamino)benzo phenone  (Michler's ketone) | 90-94-8 | 202-027-5 | Carcinogenic | 0.005 | ND |
| 80 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | 202-959-2 | Carcinogenic | 0.005 | ND |
| 81 | [4-[4,4'- bis(dimethylamino)  benzhydrylidene]cyclohex a-2,5-dien-1- ylidene]dimethylammoniu m chloride  (C.I. Basic Violet 3) | 548-62-9 | 208-953-6 | Carcinogenic | 0.005 | ND |
| 82 | [4-[[4-anilino-1- naphthyl][4- (dimethylamino)  phenyl]methylene]cycloh exa-2,5-dien-1-ylidene] dimethylammonium  chloride  (C.I. Basic Blue 26) | 2580-56-5 | 219-943-6 | Carcinogenic | 0.005 | ND |
| 83 | α,α-Bis[4- (dimethylamino)phenyl]-4 (phenylamino)naphthalen e-1-methanol  (C.I. Solvent Blue 4) | 6786-83-0 | 229-851-8 | Carcinogenic | 0.01 | ND |
| 84 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol | 561-41-1 | 209-218-2 | Carcinogenic | 0.005 | ND |
| 85 | 85 Bis(pentabromophenyl) ether (DecaBDE) | 1163-19-5 | 214-604-9 | Persistent,  bioaccumulative and toxic; very persistent and very | 0.005 | ND |

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|  |  |  |  | bioaccumulative |  |  |
| 86 | N,N-dimethylformamide; dimethyl formamide | 68-12-2 | 200-679-5 | Toxic for  reproduction | 0.005 | ND |
| 87 | 87 Methoxy acetic acid | 625-45-6 | 210-894-6 | Toxic for  reproduction ;  equivalent level of concern | 0.005 | ND |
| 88 | 88 Dibutyltin dichloride (DBT)ȸ | 683-18-1 | 211-670-0 | Toxic for  reproduction | 0.01 | ND |
| 89 | 89 1,2-Diethoxyethane | 629-14-1 | 211-076-1 | Toxic for  reproduction | 0.005 | ND |
| 90 | Hexahydro-2-benzofuran-1,3-dione (HHPA), cis- cyclohexane-1,2- dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride | 85-42-7,  13149-00-3, 14166-21-3 | 201-604-9, 236-086-3, 238-009-9 | Equivalent level of concern | 0.01 | ND |
| 91 | Hexahydromethylphathalic anhydride,  Hexahydro-4- methylphathalic anhydride, Hexahydro-1- methylphathalic anhydride, Hexahydro-3- methylphathalic anhydride | 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9 | 247-094-1, 243-072-0, 256-356-4, 260-566-1 | Equivalent level of concern | 0.01 | ND |
| 92 | 4-Nonylphenol, branched and linear - 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 | - | - | Equivalent level of concern | 0.005 | ND |
| 93 | Heptacosafluorotetradecan o ic acid | 376-06-7 | 206-803-4 | Very persistent and very bioaccumulative | 0.005 | ND |
| 94 | 1,2-Benzenedicarboxylic acid, dipentylester,  branched and linear + | 84777-06-0 | 284-032-2 | Toxic for  reproduction | 0.005 | ND |
| 95 | Henicosafluoroundecanoic acid | 2058-94-8 | 218-165-4 | Very persistent and very bioaccumulative | 0.005 | ND |
| 96 | N-pentyl-isopentylphtalate (iPnPP) + | 776297-69-9 | - | Toxic for  reproduction | 0.005 | ND |
| 97 | Pentacosafluorotridecanoic acid | 72629-94-8 | 276-745-2 | Very persistent and very bioaccumulative | 0.005 | ND |

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| 98 | 4-(1,1,3,3- tetramethylbutyl)phenol, ethoxylated - covering  well-defined substances and UVCB substances,  polymers and homologues | - | - | Equivalent level of concern | 0.005 | ND |
| 99 | Tricosafluorododecanoic acid | 307-55-1 | 206-203-2 | Very persistent and very bioaccumulative | 0.005 | ND |
| 100 | Lead  bis(tetrafluoroborate)\* | 13814-96-5 | 237-486-0 | Toxic for  reproduction | 0.01 | ND |
| 101 | 101 Lead tetroxide (orange lead)\* | 1314-41-6 | 215-235-6 | Toxic for  reproduction | 0.01 | ND |
| 102 | 102 Diethyl sulphate | 64-67-5 | 200-589-6 | Carcinogenic; Mutagenic | 0.005 | ND |
| 103 | Dinoseb | 88-85-7 | 201-861-7 | Toxic for  reproduction | 0.005 | ND |
| 104 | Lead Titanium Zirconium Oxide\* | 12626-81-2 | 235-727-4 | Toxic for  reproduction | 0.01 | ND |
| 105 | 105 Acetic acid, lead salt, basic\* | 51404-69-4 | 257-175-3 | Toxic for  reproduction | 0.01 | ND |
| 106 | Furan | 110-00-9 | 203-727-3 | Carcinogenic | 0.01 | ND |
| 107 | 107 N-methylacetamide | 79-16-3 | 201-182-6 | Toxic for  reproduction | 0.005 | ND |
| 108 | 108 o-Toluidine;   2-Aminotoluene | 95-53-4 | 202-429-0 | Carcinogenic | 0.005 | ND |
| 109 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine | 143860-04-2 | 421-150-7 | Toxic for  reproduction | 0.01 | ND |
| 110 | 4,4'-oxydianiline and its salts | 101-80-4 | 202-977-0 | Carcinogenic; Mutagenic | 0.005 | ND |
| 111 | [Phthalato(2-)]dioxotrilead (Dibasic lead phthalate)\* | 69011-06-9 | 273-688-5 | Toxic for  reproduction | 0.01 | ND |
| 112 | Lead titanium trioxide\* | 12060-00-3 | 235-038-9 | Toxic for  reproduction | 0.01 | ND |
| 113 | 113 Lead oxide sulphate\* | 12036-76-9 | 234-853-7 | Toxic for  reproduction | 0.01 | ND |
| 114 | 114 Lead dinitrate\* | 10099-74-8 | 233-245-9 | Toxic for  reproduction | 0.01 | ND |
| 115 | 115 4-Aminoazobenzene; 4-Phenylazoaniline | 60-09-3 | 200-453-6 | Carcinogenic | 0.005 | ND |
| 116 | 116 Lead cyanamidate\* | 20837-86-9 | 244-073-9 | Toxic for  reproduction | 0.01 | ND |
| 117 | 117 Tetralead trioxide sulphate\* | 12202-17-4 | 235-380-9 | Toxic for  reproduction | 0.01 | ND |
| 118 | 4-methyl-m- phenylenediamine (2,4-toluene-diamine) | 95-80-7 | 202-453-1 | Carcinogenic | 0.005 | ND |
| 119 | Pyrochlore, antimony lead yellow\* | 8012-00-8 | 232-382-1 | Toxic for  reproduction | 0.01 | ND |
| 120 | Trilead  bis(carbonate)dihydroxide (basic lead carbonate)\* | 1319-46-6 | 215-290-6 | Toxic for  reproduction | 0.01 | ND |
| 121 | 121 Dimethyl sulphate | 77-78-1 | 201-058-1 | Carcinogenic | 0.005 | ND |
| 122 | Dioxobis(stearato)trilead\* | 12578-12-0 | 235-702-8 | Toxic for  reproduction | 0.01 | ND |

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| 123 | Silicic acid, barium salt, lead-doped\* | 68784-75-8 | 272-271-5 | Toxic for  reproduction | 0.01 | ND |
| 124 | 124 Biphenyl-4-ylamine | 92-67-1 | 202-177-1 | Carcinogenic | 0.005 | ND |
| 125 | 125 Lead oxide (lead monoxide)\* | 1317-36-8 | 215-267-0 | Toxic for  reproduction | 0.01 | ND |
| 126 | 126 Pentalead tetraoxide sulphate\* | 12065-90-6 | 235-067-7 | Toxic for  reproduction | 0.01 | ND |
| 127 | Propylene oxide; 1,2-epoxypropane; methyloxirane | 75-56-9 | 200-879-2 | Carcinogenic; Mutagenic | 0.01 | ND |
| 128 | 128 Silicic acid, lead salt\* | 11120-22-2 | 234-363-3 | Toxic for  reproduction | 0.01 | ND |
| 129 | 129 Trilead dioxide phosphonate\* | 12141-20-7 | 235-252-2 | Toxic for  reproduction | 0.01 | ND |
| 130 | 130 o-aminoazotoluene | 97-56-3 | 202-591-2 | Carcinogenic | 0.005 | ND |
| 131 | 131 1-bromopropane | 106-94-5 | 203-445-0 | Toxic for  reproduction | 0.01 | ND |
| 132 | 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | 204-419-1 | Carcinogenic | 0.005 | ND |
| 133 | 133 4,4'-methylenedi-o- toluidine | 838-88-0 | 212-658-8 | Carcinogenic | 0.005 | ND |
| 134 | 134 Tetraethyllead\* | 78-00-2 | 201-075-4 | Toxic for  reproduction | 0.01 | ND |
| 135 | Sulfurous acid, lead salt, dibasic\* | 62229-08-7 | 263-467-1 | Toxic for  reproduction | 0.01 | ND |
| 136 | Fatty acids, C16-18, lead salts\* | 91031-62-8 | 292-966-7 | Toxic for  reproduction | 0.01 | ND |
| 137 | 137 Diisopentylphthalate + | 605-50-5 | 210-088-4 | Toxic for  reproduction | 0.005 | ND |
| 138 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | 204-650-8 | Equivalent level of concern | 0.01 | ND |
| 139 | Cadmium\* | 7440-43-9 | 231-152-8 | Carcinogenic;  Equivalent level of concern | 0.01 | ND |
| 140 | 140 Cadmium oxide\* | 1306-19-0 | 215-146-2 | Carcinogenic;  Equivalent level of concern | 0.01 | ND |
| 141 | Dipentyl phthalate (DPP) + | 131-18-0 | 205-017-9 | Toxic for  reproduction | 0.005 | ND |
| 142 | 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] | - | - | Equivalent level of concern | 0.005 | ND |

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| 143 | Ammonium  pentadecafluorooctanoate (APFO) ≠ | 3825-26-1 | 223-320-4 | Toxic for  reproduction; PBT | 0.005 | ND |
| 144 | Pentadecafluorooctanoic acid (PFOA) ≠ | 335-67-1 | 206-397-9 | Toxic for  reproduction; PBT | 0.005 | ND |
| 145 | 145 Cadmium sulphide\* | 1306-23-6 | 215-147-8 | Carcinogenic;  Equivalent level of concern | 0.01 | ND |
| 146 | 146 Dihexyl phthalate | 84-75-3 | 201-559-5 | Toxic for  reproduction | 0.005 | ND |
| 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 | Carcinogenic | 0.005 | ND |
| 148 | Disodium 4-amino-3-[[4'-[(2,4diaminophenyl)azo] [1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6- (phenylazo)naphthalene-2,7-disulphonate (C.I.  Direct Black 38) | 1937-37-7 | 217-710-3 | Carcinogenic | 0.005 | ND |
| 149 | 149 Imidazolidine-2-thione (2-imidazoline-2-thiol) | 96-45-7 | 202-506-9 | Toxic for  reproduction | 0.005 | ND |
| 150 | 150 Lead di(acetate)\* | 301-04-2 | 206-104-4 | Toxic for  reproduction | 0.01 | ND |
| 151 | 151 Trixylyl phosphate | 25155-23-1 | 246-677-8 | Toxic for  reproduction | 0.005 | ND |
| 152 | 152 Cadmium chloride\* | 10108-64-2 | 233-296-7 | Carcinogenic;  Mutagenic;  Toxic for  Reproduction;  Equivalent level of concern having  probable serious  effects to human  health | 0.01 | ND |
| 153 | 1,2-Benzenedicarboxylic acid, dihexyl ester,  branched and linear++ | 68515-50-4 | 271-093-5 | Toxic for  reproduction | 0.005 | ND |
| 154 | Sodium  peroxometaborate\* | 7632-04-4 | 231-556-4 | Toxic for  reproduction | 0.01 | ND |
| 155 | Sodium perborate;  perboric acid, sodium salt\* | - | 239-172-9; 234-390-0 | Toxic for  reproduction | 0.01 | ND |

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| 156 | 156 Cadmium fluoride \* | 7790-79-6 | 232-222-0 | Carcinogenic;  Mutagenic; Toxic for Reproduction;  Equivalent level of  concern having  probable serious  effects to human  health | 0.01 | ND |
| 157 | 157 Cadmium sulphate \* | 10124-36-4; 31119-53-6 | 233-331-6 | Carcinogenic;  Mutagenic; Toxic for Reproduction;  Equivalent level of  concern having  probable serious  effects to human  health | 0.01 | ND |
| 158 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol   (UV-320) | 3846-71-7 | 223-346-6 | PBT;  vPvB | 0.005 | ND |
| 159 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol  (UV-328) | 25973-55-1 | 247-384-8 | PBT;  vPvB | 0.005 | ND |
| 160 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4- stannatetradecanoate  (DOTE)ȸ | 15571-58-1 | 239-622-4 | Toxic for  Reproduction | 0.01 | ND |
| 161 | Reaction mass of 2- ethylhexyl 10-ethyl-4,4- dioctyl-7-oxo-8-oxa-3,5- dithia-4- stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2- oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4- stannatetradecanoate  (reaction mass of DOTE and MOTE)ȸ | - | - | Toxic for  Reproduction | 0.01 | ND |
| 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; 68648-93-1 | 271-094-0; 272-013-1 | Toxic for  reproduction | 0.01 | ND |

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| 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 isomers of [1] and [2] or any  combination thereof] | - | - | vPvB | 0.01 | ND |
| 164 | 164 1,3-propanesultone | 1120-71-4 | 214-317-9 | Carcinogenic | 0.005 | ND |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 3864-99-1 | 223-383-8 | vPvB | 0.005 | ND |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec- butyl)phenol (UV-350) | 36437-37-3 | 253-037-1 | vPvB | 0.005 | ND |
| 167 | 167 Nitrobenzene | 98-95-3 | 202-716-0 | Toxic for  reproduction | 0.005 | ND |
| 168 | Perfluorononan-1-oic acid acid and its sodium and  ammonium salts | 375-95-1;  21049-39-8; 4149-60-4 | 206-801-3 | Toxic for  reproduction; PBT | 0.005 | ND |
| 169 | 169 Benzo[def]chrysene (Benzo[a]pyrene) | 50-32-8 | 200-028-5 | Carcinogenic;  Mutagenic; Toxic for Reproduction;  PBT; vPvB | 0.005 | ND |
| 170 | 4,4’- isopropylidenediphenol (bisphenol A; BPA) | 80-05-7 | 201-245-8 | Toxic for  reproduction;  Equivalent level of concern having  probable serious  effects to human  health | 0.005 | ND |
| 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](4-Hpbl) | - | - | Equivalent level of concern having  probable serious  effects to the  environment | 0.005 | ND |
| 172 | Nonadecafluorodecanoic acid (PFDA) and its  sodium and ammonium salts | 3830-45-3, 335-76-2,  3108-42-7 | -,  206-400-3, 221-470-5 | Toxic for  reproduction; PBT | 0.005 | ND |

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| 173 | p-(1,1- dimethylpropyl)phenol (PTAP) | 80-46-6 | 201-280-9 | Equivalent level of concern having  probable serious  effects to the  environment | 0.005 | ND |
| 174 | Perfluorohexane-1- sulphonic acid and its salts (PFHxS) | - | - | vPvB | 0.005 | ND |
| 175 | 1,6,7,8,9,14,15,16,17,17,1 8,18- Dodecachloropentacyclo [12.2.1.16,9.02,13.05,10] octadeca-7,15-diene  (“Dechlorane Plus”TM) [covering any of its  individual anti- and syn-isomers or any  combination thereof] | - | - | vPvB (Article 57e) | 0.005 | ND |
| 176 | 176 Benz[a]anthracene | 56-55-3 | 200-280-6 | Carcinogenic  (Article 57a)  PBT (Article 57d) vPvB (Article 57e) | 0.005 | ND |
| 177 | 177 Cadmium nitrate | 10325-94-7 | 233-710-6 | Carcinogenic  (Article 57a)  Mutagenic (Article 57b) Specific target organ  toxicity after  repeated exposure  (Article 57(f) -  human health) | 0.005 | ND |
| 178 | 178 Cadmium carbonate | 513-78-0 | 208-168-9 | Carcinogenic  (Article 57a)  Mutagenic (Article 57b) Specific target organ  toxicity after  repeated exposure  (Article 57(f) -  human health) | 0.005 | ND |
| 179 | 179 Cadmium hydroxide | 21041-95-2 | 244-168-5 | Carcinogenic  (Article 57a)  Mutagenic (Article 57b) Specific target organ  toxicity after  repeated exposure  (Article 57(f) -  human health) | 0.005 | ND |
| 180 | Chrysene | 218-01-9 | 205-923-4 | Carcinogenic  (Article 57a)  PBT (Article 57d) vPvB (Article 57e) | 0.005 | ND |
| 181 | Reaction products of  1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, | - | - | Endocrine disrupting properties (Article  57(f) – environment) | 0.005 | ND |

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|  | branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear] |  |  |  |  |  |
| 182 | Octamethylcyclotetrasilox ane (D4) | 556-67-2 | 209-136-7 | PBT;  vPvB | 0.005 | ND |
| 183 | Decamethylcyclopentasilo xane (D5) | 541-02-6 | 208-764-9 | PBT;  vPvB | 0.005 | ND |
| 184 | Dodecamethylcyclohexasi loxane (D6) | 540-97-6 | 208-762-8 | PBT;  vPvB | 0.005 | ND |
| 185 | Lead | 7439-92-1 | 231-100-4 | Toxic for  reproduction | 0.005 | ND |
| 186 | 186 Disodium octaborate | 12008-41-2 | 234-541-0 | Toxic for  reproduction | 0.005 | ND |
| 187 | 187 Benzo[ghi]perylene | 191-24-2 | 205-883-8 | PBT;  vPvB | 0.005 | ND |
| 188 | Terphenyl hydrogenated | 61788-32-7 | 262-967-7 | vPvB | 0.005 | ND |
| 189 | Ethylenediamine (EDA) | 107-15-3 | 203-468-6 | Equivalent level of concern having  probable serious  effects to human  health | 0.005 | ND |
| 190 | Benzene-1,2,4-  tricarboxylic acid 1,2 anhydride (TMA) | 552-30-7 | 209-008-0 | Equivalent level of concern having  probable serious  effects to human  health | 0.005 | ND |
| 191 | Dicyclohexyl phthalate (DCHP) | 84-61-7 | 201-545-9 | Toxic for  reproduction;  Equivalent level of concern having  probable serious  effects to human  health | 0.005 | ND |
| 192 | 2,2-bis(4'- hydroxyphenyl)-4-methylpentane | 6807-17-6 | 401-720-1 | Toxic for  reproduction | 0.005 | ND |
| 193 | Benzo[k]fluoranthene | 207-08-9 | 205-916-6 | Carcinogenic; PBT;  vPvB | 0.005 | ND |
| 194 | 194 Fluoranthene | 206-44-0 | 205-912-4 | PBT;  vPvB | 0.005 | ND |

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| 195 | 195 Phenanthrene | 85-01-8 | 201-581-5 | vPvB | 0.005 | ND |
| 196 | Pyrene | 129-00-0 | 204-927-3 | PBT;  vPvB | 0.005 | ND |
| 197 | 1,7,7-trimethyl-3- (phenylmethylene)bicy clo[2.2.1]heptan-2-one (3-benzylidene  camphor; 3-BC) | 15087-24-8 | 239-139-9 | Equivalent level of concern having  probable serious  effects to the  environment | 0.005 | ND |
| 198 | 2-methoxyethyl acetate | 110-49-6 | 203-772-9 | Toxic for  reproduction | 0.005 | ND |
| 199 | Tris(4-nonylphenyl, branched and linear)  phosphite (TNPP) with ≥ 0.1% w/w of 4- nonylphenol, branched and linear (4-NP) | - | - | Equivalent level of concern having  probable serious  effects to the  environment | 0.005 | ND |
| 200 | 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)pr opionic acid, its salts  and its acyl halides  (covering any of their individual isomers and combinations thereof) | - | - | Equivalent level of concern having  probable serious  effects on the  environment &  human health | 0.005 | ND |
| 201 | 201 4-tert-butylphenol (PTBP) | 98-54-4 | 202-679-0 | Equivalent level of concern having  probable serious  effects to the  environment | 0.005 | ND |
| 202 | 2-benzyl-2- dimethylamino-4'- morpholinobutyrophen one | 119313-12-1 | 404-360-3 | Toxic for  reproduction | 0.005 | ND |
| 203 | 2-methyl-1-(4- methylthiophenyl)-2-morpholinopropan-1-one | 71868-10-5 | 400-600-6 | Toxic for  reproduction | 0.005 | ND |
| 204 | 204 Diisohexyl phthalate | 71850-09-4 | 276-090-2 | Toxic for  reproduction | 0.005 | ND |
| 205 | Perfluorobutane  sulfonic acid (PFBS) and its salts | - | - | Equivalent level of concern having  probable serious  effects on the  environment and  human health | 0.005 | ND |

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| 206 | 206 1-vinylimidazole | 1072-63-5 | 214-012-0 | Toxic for  reproduction | 0.005 | ND |
| 207 | 207 2-methylimidazole | 693-98-1 | 211-765-7 | Toxic for  reproduction | 0.005 | ND |
| 208 | Butyl 4- hydroxybenzoate (Butylparaben) | 94-26-8 | 202-318-7 | Equivalent level of concern having  probable serious  effects on the  human health | 0.005 | ND |
| 209 | 209 Dibutylbis(pentane- 2,4-dionato-O,O')tin | 22673-19-4 | 245-152-0 | Toxic for  reproduction | 0.010 | ND |
| 210 | bis(2-(2- methoxyethoxy)ethyl) ether | 143-24-8 | 205-594-7 | Toxic for  reproduction | 0.01 | ND |
| 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 | - | - | Toxic for  reproduction | 0.01 | ND |
| 212 | 212 1,4-dioxane | 123-91-1 | 204-661-8 | Carcinogenic;  Equivalent level of concern having  probable serious  effects on the  environment &  human health | 0.01 | ND |
| 213 | 2,2-bis(bromomethyl) propane1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo  derivative/3-bromo- 2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1- propanol (2,3-DBPA) | 3296-90-0,  36483-57-5, 1522-92-5, 96-13-9 | 221-967-7, 253-057-0, 202-480-9 | Carcinogenic | 0.01 | ND |
| 214 | 2-(4-tert-butylbenzyl) propionaldehyde and its individual  stereoisomers | - | - | Toxic for  reproduction | 0.01 | ND |
| 215 | 4,4'-(1- methylpropylidene)bisp henol; (bisphenol B) | 77-40-7 | 201-025-1 | Equivalent level of concern having  probable serious  effects on the  environment & | 0.01 | ND |

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|  |  |  |  | human health |  |  |
| 216 | Glutaral | 111-30-8 | 203-856-5 | Equivalent level of concern having  probable serious  effects on human health | 0.01 | ND |
| 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] | - | - | PBT;  vPvB | 0.01 | ND |
| 218 | 218 Orthoboric acid, sodium salt | 13840-56-7 | 237-560-2 | Toxic for  reproduction | 0.01 | ND |
| 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) | - | - | Toxic for  reproduction;  Equivalent level of concern having  probable serious  effects on the  environment &  human health | 0.01 | ND |
| 220 | (±)-1,7,7-trimethyl-3- [(4- methylphenyl)methylen e]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations  thereof (4-MBC) | - | - | Equivalent level of concern having  probable serious  effects on human health | 0.05 | ND |
| 221 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC) | 119-47-1 | 204-327-1 | Toxic for  reproduction | 0.05 | ND |
| 222 | S-(tricyclo[5.2.1.0'2,6] 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 | PBT | 0.05 | ND |

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| 223 | tris(2-methoxyethoxy) vinylsilane | 1067-53-4 | 213-934-0 | Toxic for  reproduction | 0.05 | ND |
| 224 | 224 [N-(hydroxymethyl) acrylamide](https://echa.europa.eu/substance-information/-/substanceinfo/100.011.913) | 924-42-5 | 213-103-2 | Carcinogenic; Mutagenic | 0.05 | ND |
| 225 | 1,1'-[ethane-1,2- diylbisoxy]bis[2,4,6- tribromobenzene](BTB PE) | 37853-59-1 | 253-692-3 | vPvB | 0.01 | ND |
| 226 | 2,2',6,6'-tetrabromo- 4,4'- isopropylidenediphenol ) (TBBPA) | 79-94-7 | 201-236-9 | Carcinogenic | 0.01 | ND |
| 227 | 4,4'- sulphonyldiphenol(Bis phenol S, BPS) | 80-09-1 | 201-250-5 | Toxic for  reproduction;  Equivalent level of concern having  probable serious  effects on the  environment &  human health | 0.01 | ND |
| 228 | Barium  diborontetraoxide | 13701-59-2 | 237-222-4 | Toxic for  reproduction | 0.01 | ND |
| 229 | Bis(2-ethylhexyl)  tetrabromophthalate(T BPH) | - | - | vPvB | 0.01 | ND |
| 230 | Isobutyl 4- hydroxybenzoate(Isobu tylparaben) | 4247-02-3 | 224-208-8 | Equivalent level of concern having  probable serious  effects on human health | 0.01 | ND |
| 231 | 231 Melamine | 108-78-1 | 203-615-4 | Equivalent level of concern having  probable serious  effects on the  environment &  human health | 0.01 | ND |
| 232 | 232 Perfluoroheptanoicacid (PFHpA) and its salts | - | - | Toxic for  reproduction; PBT; vPvB; Equivalent  level of concern  having probable  serious effects on the environment &  human health | 0.01 | ND |

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| 233 | reaction mass of  2,2,3,3,5,5,6,6- octafluoro-4- (1,1,1,2,3,3,3- heptafluoropropan-2- yl)morpholineand  2,2,3,3,5,5,6,6- octafluoro-4- (heptafluoropropyl)mor pholine | - | 473-390-7 | vPvB | 0.01 | ND |
| 234 | Diphenyl(2,4,6- trimethylbenzoyl)phosphi ne oxide | 75980-60-8 | 278-355-8 | Suspected to be  Toxic to  Reproduction;  A majority of data  submitters agree this substance is Skin  sensitising | 0.01 | ND |
| 235 | 235 Bis(4-chlorophenyl) sulphone | 80-07-9 | 201-247-9 | Under assessment as Persistent,  Bioaccumulative and Toxic | 0.01 | ND |

(1) CAS no. 7789-12-0 refers to sodium dichromate dehydrate.

(2) CAS no. 10588-01-9 refers to anhydrous sodium dichromate.

(3) CAS no. 3194-55-6 refers to a specific HBCDD - 1, 2, 5, 6, 9, 10-hexabromocyclododecane. (4) CAS no. 25637-99-4 refers to unspecific HBCDD isomer composition.

(5) CAS no. 1330-43-4 refers to disodium tetraborate, anhydrous.

(6) CAS no. 12179-04-3 refers to sodium tetraborate, pentahydrate.

(7) CAS no. 1303-96-4 refers to sodium tetraborate, decahydrate.

Method: Analysis is based on GC, LC, IC, ICP, with various detection techniques and UV.

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Remark: 1. PBT = Persistent, bio accumulative and toxic as defined in Regulation (EC) No 1907/2006.

2. vPvB = Very persistent and very bio accumulative as defined in Regulation (EC) No

1907/2006.

3. ND = Not Detected.

4. # = Reference with client information(attachment\_), \_haven’t been tested and consider as

ND

5. \*Result is based on the heavy metal or inorganic element concentration. Due to the limit of

the analytical technology available, any further investigation is not feasible. The client is

strongly advised to review the chemical formulation to ascertain.

\*\*Result is identified by tributyltin (TBT). Due to the limit of the analytical technology 6.

available, any further investigation is not feasible. The client is strongly advised to review the

chemical formulation to ascertain.

7. §TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) and β-TGIC

(1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) are

reported as a mixture.

8. aRefer to Aluminosilicate, Refractory Ceramic Fibres 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 (µm) c) alkaline oxide and alkali earth

oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight.

9. bRefer to Zirconia Aluminosilicate, Refractory Ceramic Fibres 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 (µm).

c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal

to 18% by weight.

10. +[1,2-Benzenedicarboxylic acid, dipentylester, branched and linear] is a mixture of

phthalates contains DPP, DIPP and N-pentyl-isopentylphtalate.

11. ≠PFOA and APFO are reported together. The result is based on PFOA concentration. Due to

the limit of the analytical technology available, any further investigation is not feasible. The

client is strongly advised to review the chemical formulation to ascertain.

12. ++[1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear] is a mixture of

phthalates contains dihexyl phthalate.

13. ȸResult is based on the tin metal concentration, and further confirmation for checking DBT,

DOTE & MOTE concentration.

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Note:   
1.The limit of 0.1% (w/w) applies to an article. The results were calculated assuming as the   
 submitted sample was an article. However, the results may not be applicable if the intended use of the sample is a substance or mixture. According to REACH, definition of an article, substance and mixture are:   
 i. Article *-* An object during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition   
 ii. Substance - A chemical element and its compound in the natural state or obtained by any manufacturing process   
 iii. Mixture (Previously known as “Preparation”) - A mixture or solution composed of two or more substances

2.In accordance of Article 7 of Regulation (EC) No. 1907/2006 (REACH regulation) – Registration and notification of substances in articles, any producer or importer of articles shall notify ECHA, if a substance meets in criteria in Article 57 and is identified in accordance with Article 59(1), if both (1) the substance is present in those articles in quantities totalling over 1 tonne per producer or importer per year & (2) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w) are met. The information to be notified shall include (a) identity and contact details of the producer or importer, (b) the registration numbers, (c) the identity of the substance and (d) the classification of the substance, (e) a brief description of the use of the substance and (f) the tonnage range of the substance.

3.In accordance of Article 33 of Regulation (EC) No. 1907/2006 (REACH regulation) – Duty to communicate information on substances in articles, any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance. On request by a consumer the relevant information shall be provided by any supplier of an article free of charge, within 45 days of receipt of the request.

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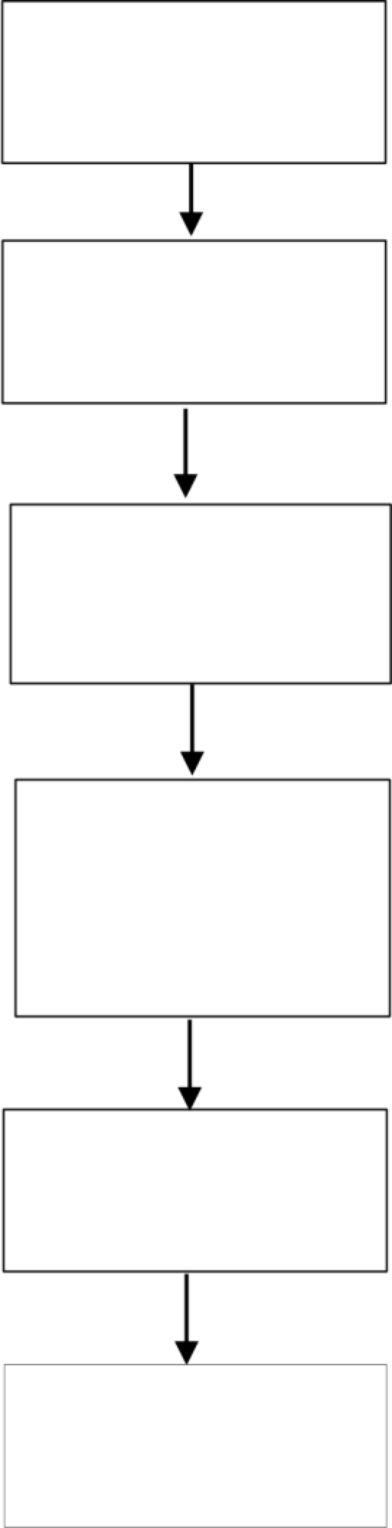


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**Photo of the Submitted Sample**

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| **Test Flowchart of SVHC Content** |
| Sample  Sample Preparation  - Cutting   - Weight  Sample pretreated  acid digestion and  solvent extraction  Analysis was  performed by  ICP-OES, UV-VIS,  GC/MS, GC/ECD  and PLM  Data  Report |

- End of Report -

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