



FORMOSA CHEMICALS & FIBRE CORP.

380, Sec. 6, Nanjing E. Road, Taipei, Taiwan

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Certificate of Product Safety

June 26, 2025

Dear Sirs :

We hereby certify that the following resin produced by Formosa Chemicals & Fibre Corporation listed below:

| | |
|-----------------|--|
| TAIRILAC ABS | AE10EP, AG1000, AG100H, AG12A0, AG12A1, AG12A1-H, AG12A3, AG12AJ, AG15A0, AG15A1, AG15A1-H, AG15A2, AG15A3, AG15A5, AG15A6, AG15AB, AG15AJ, AG15AM, AG15E0, AG15E1, AG15E1-H, AG15E3, AG16A1, AF3500, AF3530, AF3535, AF3538, AF3538-H, AF3560, AF3600, AX4000, AX4100, AX4300, AG20GF, AG22AT, AG23AT, AG23AT-M, AG26AT, AG27AT, AT5500, AT5800, AG10NP, AG10NP-N, AG10AP, AE8000, AE8000-H, AE8200, AH2003, AX400M, AK1300, AE8700 |
| TAIRILAC ASA | WG1700, WG1800, WF3300, WF3301, WE8100, WE810P, WE8500, WE8300, WE830M |
| TAIRISAN SAN | NF2100, NF2200, NF2200AE, NX3200, NX3400 |
| TAIRIREX PS | GP5000, GP5250, GP525N, GP5350, GP535A, GP535N, GP535N-1M, GP535P, GP535H, GP560N, GP5500, GP5500-1M, GP5500-1Y, GP550H, GP550N, GP550N-1Y, MP6500, HP8250, HP8258, HP825F, HP825H, HP9450, HP825G, HP825T, HP825S, HP825N, HP835G, HP828R |
| TAIRILOY PC/ABS | AC2000, AC2150, AC2190, AC2300, AC2303, AC230H, AC2500, AC2500AF, AC2501, AC250H, AC250M, AC25BM, AC262K, AC2710, AC2720, AC2730, AC230R, AC250R, AC200R, AC25MR35, AC272R70, AC3100, AC3102, AC310E, AC310F, AC310M, AC310H, AC310T, AC310X, AC3208, AC3300, AC3250, AC3325, AC310R35, AC310R50, AC310R60, AC310R70, AC310R80, AC310R85, AC330R50, AC330R75, AC325R50, AC325R70 |
| TAIRILITE PC | AC111(X), AC2120, AC2820-A, AC297(X), AC3600, AC3600-AF, AC3610, AC3610-AF, AC3630, AC3630-AF, AC3700, AC3710, AC3800, AC3900, AC285(X), AC291(X), AC292(X), AC293(X), AC294(X), AC295(X), AC351(X), AC381(X), AC382(X), AC383(X), AC384(X), AC385(X), AC386(X), AC387(X), AC388(X), AC389(X), AC3910-AF, AC6000, AC914(X), AC983(X) |

(X) – Replace by one digital 0-9 or one alphabet A-Z

Conforms to the requirement that no chemicals as following are added (<1,000 ppm).



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The SVHC List of 1st (released by ECHA on 28 Oct. 2008)

| REACH SVHC | | CAS Number |
|------------|--|-------------------------|
| 1 | Anthracene | 120-12-7 |
| 2 | 4,4'-Diaminodiphenylmethane | 101-77-9 |
| 3 | Dibutyl phthalate | 84-74-2 |
| 4 | Cobalt dichloride | 7646-79-9 |
| 5 | Diarsenic pentaoxide | 1303-28-2 |
| 6 | Diarsenic trioxide | 1327-53-3 |
| 7 | Sodium dichromate | 7789-12-0 10588-01-9 |
| 8 | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) | 81-15-2 |

| REACH SVHC | | CAS Number |
|------------|---|--|
| 9 | Bis (2-ethyl(hexyl)phthalate) (DEHP) | 117-81-7 |
| 10 | Hexabromocyclododecane (HBCDD) | 25637-99-4 3194-55-6 134237-51-7 134237-50-6 134237-52-8 |
| 11 | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 85535-84-8 |
| 12 | Bis(tributyltin)oxide | 56-35-9 |
| 13 | Lead hydrogen arsenate | 7784-40-9 |
| 14 | Triethyl arsenate | 15606-95-8 |
| 15 | Benzyl butyl phthalate | 85-68-7 |

The SVHC List of 2nd (released by ECHA on 13 Jan. 2010), list increases from 15 to 28

| REACH SVHC | | CAS Number |
|------------|---|------------|
| 1 | Anthracene oil | 90640-80-5 |
| 2 | Anthracene oil, anthracene paste, distn. lights | 91995-17-4 |
| 3 | Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 |
| 4 | Anthracene oil, anthracene-low | 90640-82-7 |
| 5 | Anthracene oil, anthracene paste | 90640-81-6 |
| 6 | Coal tar pitch, high temperature | 65996-93-2 |
| 7 | Acrylamide | 79-06-1 |

| REACH SVHC | | CAS Number |
|------------|---|------------|
| 8 | 2,4-Dinitrotoluene | 121-14-2 |
| 9 | Diisobutyl phthalate | 84-69-5 |
| 10 | Lead chromate | 7758-97-6 |
| 11 | Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 12656-85-8 |
| 12 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 1344-37-2 |
| 13 | Tris(2-chloroethyl)phosphate | 115-96-8 |



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The SVHC List of 3rd (released by ECHA on 18 Jun.2010), list increases from 28 to 36

| REACH SVHC | | CAS Number |
|------------|--|--|
| 1 | Trichloroethylene | 79-01-6 |
| 2 | Boric acid | 10043-35-3; 11113-50-14 |
| 3 | Disodium tetraborate, anhydrous | 1330-43-4; 12179-04-3; 1303-96-4 |
| 4 | Tetraboron disodium heptaoxide, hydrate | 12267-73-1 |

| REACH SVHC | | CAS Number |
|------------|----------------------|------------|
| 5 | Sodium chromate | 7775-11-3 |
| 6 | Potassium chromate | 7789-00-6 |
| 7 | Ammonium dichromate | 7789-09-5 |
| 8 | Potassium dichromate | 7778-50-9 |

The SVHC List of 4th (released by ECHA on 15 Dec.2010), list increases from 36 to 44

| REACH SVHC | | CAS Number |
|------------|------------------|------------|
| 1 | Cobalt sulfate | 10124-43-3 |
| 2 | Cobalt dinitrate | 10141-05-6 |
| 3 | Cobalt carbonate | 513-79-1 |
| 4 | Cobalt diacetate | 71-48-7 |

| REACH SVHC | | CAS Number |
|------------|---------------------------------|--------------------------|
| 5 | 2-Methoxyethanol | 109-86-4 |
| 6 | 2-Ethoxyethanol | 110-80-5 |
| 7 | Chromium trioxide | 1333-82-0 |
| 8 | Chromic acid; Dichromic acid | 7738-94-5; 13530-68-2 |

The SVHC List of 5th (released by ECHA on 20 Jun.2011), list increases from 44 to 51

| REACH SVHC | | CAS Number |
|------------|---|------------------------|
| 1 | 2-ethoxyethyl acetate | 111-15-9 |
| 2 | strontium chromate | 7789-06-2 |
| 3 | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 |
| 4 | Hydrazine | 7803-57-8; 302-01-2 |

| REACH SVHC | | CAS Number |
|------------|--|------------|
| 5 | 1-methyl-2-pyrrolidone | 872-50-4 |
| 6 | 1,2,3-trichloropropane | 96-18-4 |
| 7 | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 |



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The SVHC List of 6th (released by ECHA on 19 Dec.2011), list increases from 51 to 71

| REACH SVHC | | | CAS Number |
|------------|---|------------|------------|
| 1 | Dichromium tris(chromate) | 24613-89-6 | |
| 2 | Potassium hydroxyoctaoxodizincatedi-chromate | 11103-86-9 | |
| 3 | Pentazinc chromate octahydroxide | 49663-84-5 | |
| 4 | Bis(2-methoxyethyl) ether | 111-96-6 | |
| 5 | Arsenic acid | 7778-39-4 | |
| 6 | Calcium arsenate | 7778-44-1 | |
| 7 | Aluminosilicate Refractory Ceramic Fibres (RCF)*1 | -- | |
| 8 | Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)*2 | -- | |
| 9 | Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 25214-70-4 | |
| 10 | Bis(2-methoxyethyl) phthalate | 117-82-8 | |

| REACH SVHC | | | CAS Number |
|------------|--|------------|------------|
| 11 | 2-Methoxyaniline; o-Anisidine | 90-04-0 | |
| 12 | 4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol) | 140-66-9 | |
| 13 | 1,2-Dichloroethane | 107-06-2 | |
| 14 | Trilead diarsenate | 3687-31-8 | |
| 15 | N,N-dimethylacetamide (DMAC) | 127-19-5 | |
| 16 | 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | 101-14-4 | |
| 17 | Phenolphthalein | 77-09-8 | |
| 18 | Lead azide Lead diazide | 13424-46-9 | |
| 19 | Lead styphnate | 15245-44-0 | |
| 20 | Lead dipicrate | 6477-64-1 | |

The SVHC List of 7th (released by ECHA on 18 June. 2012), list increases from 71 to 84

| REACH SVHC | | | CAS Number |
|------------|--|-----------|------------|
| 1 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | |
| 2 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | |
| 3 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol | 561-41-1 | |
| 4 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 90-94-8 | |
| 5 | [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) | 548-62-9 | |
| 6 | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) | 2580-56-5 | |
| 7 | Diboron trioxide | 1303-86-2 | |

| REACH SVHC | | | CAS Number |
|------------|---|------------|------------|
| 8 | Formamide | 75-12-7 | |
| 9 | Lead(II) bis(methanesulfonate) | 17570-76-2 | |
| 10 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | |
| 11 | TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) | 2451-62-9 | |
| 12 | α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) | 6786-83-0 | |
| 13 | 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 | |



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The Candidate SVHC List of 8th (released by ECHA on 3 Sep. 2012), list increases from 84 to 138

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|---|---|------------|---------------------------------------|------------|
| 1 | Bis(pentabromophenyl)ether(DecaBDE) | 1163-19-5 | 7 | Acetic acid, lead salt, basic | 51404-69-4 |
| 2 | 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 | -- | 8 | Dimethyl sulphate | 77-78-1 |
| 3 | Diazene-1,2-dicarboxamide(C, C'-azodi(formamide)) | 123-77-3 | 9 | Furan | 110-00-9 |
| 4 | 4-(1,1,3,3-tetramethylbuty)phenol, ethoxylated-covering well-defined substances and UVCB substances, polymers and homologues | -- | 10 | Pyrochlore, antimony lead yellow | 8012-00-8 |
| 5 | Henicosafluoroundecanoic acid | 2058-94-8 | 11 | Tetraethyllead | 78-00-2 |
| 6 | Pentacosafuorotridecanoic acid | 72629-94-8 | 12 | [Phthalato(2-)]dioxotrilead | 69011-06-9 |
| 13 | Cyclohexane-1,2-dicarboxylic anhydride | 85-42-7 | 32 | Diethyl sulphate | 64-67-5 |
| 14 | Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride | 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9, | 33 | Lead cynamidate | 20837-86-9 |
| 15 | Heptacosafuorotetradecanoic acid | 376-06-7 | 34 | Silicic acid, barium salt, lead-doped | 68784-75-8 |
| 16 | Diisopentylphthalate | 605-50-5 | 35 | Trilead dioxide phosphonate | 12141-20-7 |
| 17 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | 36 | o-Toluidine; 2-Aminotoluene | 95-53-4 |
| 18 | N-pentyl-isopentylphthalate | 776297-69-9 | 37 | o-aminoazotoluene | 97-56-3 |
| 19 | Methoxy acetic acid | 625-45-6 | 38 | 4-Aminoazobenzene; 4-Phenylazoaniline | 60-09-3 |
| 20 | Tricosafuorododecanoic acid | 307-55-1 | 39 | 6-methoxy-m-toluidine(p-cresidine) | 120-71-8 |
| 21 | 1,2-Diethoxyethane | 629-14-1 | 40 | Dibutyltin dichloride(DBT) | 683-18-1 |



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| | | | | | |
|----|--|-------------|----|---|------------|
| 22 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 41 | Lead Titanium Zirconium Oxide | 12626-81-2 |
| 23 | 4-methyl-m-phenylenediamine(2,4-toluene-diamine) | 95-80-7 | 42 | Propylene oxide; 1,2-epoxypropane; methyloxirane | 75-56-9 |
| 24 | N-methylacetamide | 79-16-3 | 43 | 1-bromopropane | 106-94-5 |
| 25 | Pentaleadtetraoxidesulphate | 12065-90-6 | 44 | Basiclead carbonate(trileadbis(carbonate)dihydroxide) | 1319-46-6 |
| 26 | Biphenyl-4-ylamine | 92-67-1 | 45 | Fatty acids, C16-18, lead salts | 91031-62-8 |
| 27 | Dinoseb | 88-85-7 | 46 | Lead tetroxide(orange lead) | 1314-41-6 |
| 28 | Dioxobis(stearato)trilead | 12578-12-0 | 47 | Sulfurous acid, lead salt, dibasic | 62229-08-7 |
| 29 | Lead dinitrate | 10099-74-8 | 48 | 4,4'-oxydianiline and its salts | 101-80-4 |
| 30 | Tetralead trioxide sulphate | 12202-17-4 | 49 | Lead oxide sulphate | 12036-76-9 |
| 31 | Lead oxide(lead monoxide) | 1317-36-8 | 50 | Lead bis(tetrafluoroborate) | 13814-96-6 |
| 51 | Lead titanium trioxide | 12060-00-3 | 53 | Silicic acid, lead salt | 11120-22-2 |
| 52 | 4,4' -methylenedi-o-toluidine | 838-88-0 | 54 | N,N-dimethylformamide; dimethylformamide | 68-12-2 |

The SVHC List of 9th (released by ECHA on 20 June 2013), list increases from 138 to 144

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|--|------------|------------|---|------------|
| 1 | Cadmium | 7440-43-9 | 4 | Dipentyl phthalate (DPP) | 131-18-0 |
| 2 | Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | 5 | 4-Nonylphenol, branched and linear, ethoxylated | -- |
| 3 | Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | 6 | Cadmium oxide | 1306-19-0 |

The SVHC List of 10th (released by ECHA on 16 Dec. 2013), list increases from 144 to 151

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|--|------------|------------|--|------------|
| 1 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | 573-58-0 | 4 | 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) | 1937-37-7 |



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| | | |
|---|-------------------|-----------|
| 2 | Dihexyl phthalate | 84-75-3 |
| 3 | Cadmium sulphide | 1306-23-6 |

| | | |
|---|---|------------|
| 5 | Imidazolidine-2-thione; 2-imidazoline-2-thiol | 96-45-7 |
| 6 | Lead di(acetate) | 301-04-2 |
| 7 | Trixylyl phosphate | 25155-23-1 |

The SVHC List of 11th (released by ECHA on 16 June 2014), list increases from 151 to 155

| REACH SVHC | | CAS Number |
|------------|--|------------|
| 1 | Cadmium chloride | 10108-64-2 |
| 2 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 |

| REACH SVHC | | CAS Number |
|------------|--|------------|
| 3 | Sodium peroxometaborate | 7632-04-4 |
| 4 | Sodium perborate; perboric acid, sodium salt | -- |

The SVHC List of 12th (released by ECHA on 17 Dec. 2014), list increases from 155 to 161

| REACH SVHC | | CAS Number |
|------------|--|------------|
| 1 | Cadmium fluoride | 7790-79-6 |
| 2 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 |
| 3 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 |

| REACH SVHC | | CAS Number |
|------------|--|---------------------------|
| 4 | Cadmium sulphate | 10124-36-4; 31119-53-6 |
| 5 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 |
| 6 | 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) | -- |

The SVHC List of 13th (released by ECHA on 15 June 2015), list increases from 161 to 163

| REACH SVHC | | CAS Number |
|------------|---|--------------------------|
| 1 | 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 (EC No. 201-559-5) | 68515-51-5 68648-93-1 |

| REACH SVHC | | CAS Number |
|------------|---|------------|
| 2 | 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] | -- |



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The SVHC List of 14th (released by ECHA on 17 Dec. 2015), list increases from 163 to 168

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|--|-------------------------------------|------------|--|------------|
| 1 | 1,3-propanesultone | 1120-71-4 | 4 | Nitrobenzene | 98-95-3 |
| 2 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 3864-99-1 | 5 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3 |
| 3 | Perfluorononan-1-oic-acid and its sodium and ammonium salts | 375-95-1 21049-39-8 4149-60-4 | | | |

The SVHC List of 15th (released by ECHA on 20 June 2016), list increases from 168 to 169

| REACH SVHC | | CAS Number |
|------------|--------------------|------------|
| 1 | Benzo[def]chrysene | 50-32-8 |

The SVHC List of 16th (released by ECHA on 12 Jan. 2017), list increases from 169 to 173

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|--|------------------------------------|------------|-------------------------------------|------------|
| 1 | 4,4'-isopropylidenediphenol | 80-05-7 | 3 | 4-Heptylphenol, branched and linear | -- |
| 2 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Nonadecafluorodecanoic acid Ammonium nonadecafluorodecanoate Decanoic acid, nonadecafluoro-, sodium salt | 335-76-2 3108-42-7 3830-45-3 | 4 | p-(1,1-dimethylpropyl)phenol | 80-46-6 |

The SVHC List of 17th (released by ECHA on 7 July 2017), list increases from 173 to 174

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

The SVHC List of 18th (released by ECHA on 15 Jan. 2018), list increases from 174 to 181

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|---|---------------------|------------|---|------------------------|
| 1 | Benz[a]anthracene | 56-55-3, 1718-53-2 | 5 | Cadmium carbonate | 513-78-0 |
| 2 | Cadmium hydroxide | 21041-95-2 | 6 | Cadmium nitrate | 10022-68-1, 10325-94-7 |
| 3 | Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) | -- | 7 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) | -- |
| 4 | Chrysene | 218-01-9, 1719-03-5 | | | |



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The SVHC List of 19th (released by ECHA on 27 June 2018), list increases from 181 to 191

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|------------------------------------|------------|------------|--|------------|
| 1 | Octamethylcyclotetrasiloxane (D4) | 556-67-2 | 6 | Benzo[ghi]perylene | 191-24-2 |
| 2 | Decamethylcyclopentasiloxane (D5) | 541-02-6 | 7 | Terphenyl hydrogenated | 61788-32-7 |
| 3 | Dodecamethylcyclohexasiloxane (D6) | 540-97-6 | 8 | Ethylenediamine (EDA) | 107-15-3 |
| 4 | Lead | 7439-92-1 | 9 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA) | 552-30-7 |
| 5 | Disodium octaborate | 12008-41-2 | 10 | Dicyclohexyl phthalate (DCHP) | 84-61-7 |

The SVHC List of 20 th (released by ECHA on 15 Jan. 2019), list increases from 191 to 197

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|---|------------|------------|--------------|-------------------------|
| 1 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one | 15087-24-8 | 4 | Pyrene | 129-00-0; 1718-52-1 |
| 2 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 6807-17-6 | 5 | Fluoranthene | 206-44-0; 93951-69-0 |
| 3 | Benzo[k]fluoranthene | 207-08-9 | 6 | Phenanthrene | 85-01-8 |

The SVHC List of 21 th (released by ECHA on 16 Jul. 2019), list increases from 197 to 201

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|---|------------|------------|---|------------|
| 1 | 2-methoxyethyl acetate | 110-49-6 | 3 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) | |
| 2 | Tris (4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | | 4 | 4-tert-butylphenol | 98-54-4 |



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The SVHC List of 22 th (released by ECHA on 16 Jan. 2020), list increases from 201 to 205

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|---|-------------|------------|--|------------|
| 1 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 119313-12-1 | 3 | Diisohexyl phthalate | 71850-09-4 |
| 2 | 2-methyl-1-(4-methylthiophenyl)-2-morpholino propan-1-one | 71868-10-5 | 4 | Perfluorobutane sulfonic acid (PFBS) and its salts | |

The SVHC List of 23 th (released by ECHA on 25 June 2020), list increases from 205 to 209

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|---|------------|------------|-------------------|------------|
| 1 | Dibutylbis(pentane-2,4-dionato-O,O')tin | 22673-19-4 | 3 | 2-methylimidazole | 693-98-1 |
| 2 | butyl 4-hydroxybenzoate | 94-26-8 | 4 | 1-vinylimidazole | 1072-63-5 |

The SVHC List of 24 th (released by ECHA on 19 Jan 2021), list increases from 209 to 211

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|-------------------------------------|------------|------------|--|----------------------|
| 1 | Bis(2-(2-methoxyethoxy)ethyl) ether | 143-24-8 | 2 | Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety | 3648-18-8 and others |

The SVHC List of 25th (released by ECHA on 8 July 2021), list increases from 211 to 219

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|---|------------|------------|---|------------|
| 1 | 1,4-dioxane | 123-91-1 | 5 | 4,4'-(1-methylpropylidene) bisphenol | 77-40-7 |
| 2 | glutaral | 111-30-8 | 6 | orthoboric acid, sodium salt | - |
| 3 | Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) | - | 7 | 2,2-bis(bromomethyl)propane-1,3-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) | - |
| 4 | Medium-chain chlorinated paraffins (MCCP) | - | 8 | 2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers | - |



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The SVHC List of 26th (released by ECHA on 17 Jan 2022), list increases from 219 to 223

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|--|------------|------------|--|-------------|
| 1 | (±)-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) | - | 3 | 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 |
| 2 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC) | 119-47-1 | 4 | tris(2-methoxyethoxy)vinylsilane | 1067-53-4 |

The SVHC List of 27th (released by ECHA on 10 Jun 2022), list increases from 223 to 224

| REACH SVHC | | CAS Number |
|------------|-----------------------------|------------|
| 1 | N-(hydroxymethyl)acrylamide | 924-42-5 |

The SVHC List of 28th (released by ECHA on 17 Jan 2023), list increases from 224 to 233

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|--|------------|------------|---|------------|
| 1 | 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene] | 37853-59-1 | 6 | Isobutyl 4-hydroxybenzoate | 4247-02-3 |
| 2 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | 79-94-7 | 7 | Melamine | 108-78-1 |
| 3 | 4,4'-sulphonyldiphenol | 80-09-1 | 8 | Perfluoroheptanoic acid and its salts | - |
| 4 | Barium diboron tetraoxide | 13701-59-2 | 9 | 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 | - |
| 5 | Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof | - | | | |

The SVHC List of 29th (released by ECHA on 14 Jun 2023), list increases from 233 to 235

| REACH SVHC | | CAS Number | REACH SVHC | | CAS Number |
|------------|------------------------------|------------|------------|--|------------|
| 1 | bis(4-chlorophenyl) sulphone | 80-07-9 | 2 | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide) | 75980-60-8 |



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The SVHC List of 30th (released by ECHA on 23 Jan. 2024), list increases from 236 to 240

| REACH SVHC | | CAS Number |
|------------|--|------------|
| 1 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol Phenol, methylstyrenated | 68512-30-1 |
| 2 | Bumetrizole (UV-326) | 3896-11-5 |
| 3 | 2,4,6-tri-tert-butylphenol | 732-26-3 |

| REACH SVHC | | CAS Number |
|------------|--|-------------|
| 4 | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 119344-86-4 |
| 5 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) | 3147-75-9 |

The SVHC List of 31th (released by ECHA on 27 Jun 2024), list increases from 240 to 241

| REACH SVHC | | CAS Number |
|------------|--|------------|
| 1 | Bis(α,α -dimethylbenzyl) peroxide | 80-43-3 |

The SVHC List of 32th (released by ECHA on 7 Nov. 2024), list increases from 241 to 242

| REACH SVHC | | CAS Number |
|------------|---------------------|------------|
| 1 | Triphenyl phosphate | 115-86-6 |

The SVHC List of 33th (released by ECHA on 21 Jan. 2025), list increases from 243 to 247

| REACH SVHC | | CAS Number |
|------------|---|-------------|
| 1 | reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives | 192268-65-8 |
| 2 | Perfluamine | 338-83-0 |
| 3 | Octamethyltrisiloxane | 107-51-7 |

| REACH SVHC | | CAS Number |
|------------|---|--------------|
| 4 | 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid | 2156592-54-8 |
| 5 | O,O,O-triphenyl phosphorothioate | 597-82-0 |

The SVHC List of 34th (released by ECHA on 25 Jun. 2025), list increases from 248 to 250

| REACH SVHC | | CAS Number |
|------------|--|------------|
| 1 | 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane | 17928-28-2 |
| 2 | Decamethyltetrasiloxane | 141-62-8 |

| REACH SVHC | | CAS Number |
|------------|--------------------------|------------|
| 3 | Reactive Brown 51 (Dyes) | - |

Sincerely Yours,

C C Chen

C. C. Chen

Assistant Vice President

Plastics Division

