



## REACH Certificate of Compliance

COIL fully supports and hereby certifies complete conformance to the requirements of REACH's **240 SVHC** (Substances of Very High Concern), the European Community Regulation standard about chemicals and their safe use (EC 1907/2006), which is a new law entered into force on 07<sup>th</sup> July 2007 that was phased in until 2018.

COIL is committed to providing safe products, consistent with the improvement and protection of human health and the environment, through the better and earlier identification of the intrinsic properties of chemical substances.

COIL currently conforms up to **23<sup>rd</sup> January 2024**, Amendment E1, and will continue to conform to the requirements of REACH as new amendments are released: Specifically, the below listed chemical substances are not present in our products for quantities totalling over one tonne per producer a year and are not present above a concentration of 0.1% by weight.

| No. | Substance Name   | CAS NO.  | Not Used | Used | Date of Inclusion |
|-----|--|--|----------|------|-------------------|
| 1   | Anthracene   | 120-12-7   | ■        |      | 28 Oct 2008       |
| 2   | 4,4'-Diaminodiphenylmethane (MDA)  | 101-77-9   | ■        |      | 28 Oct 2008       |
| 3   | Benzyl butyl phthalate (BBP)   | 85-68-7  | ■        |      | 28 Oct 2008       |
| 4   | Bis(2-ethylhexyl)ppthalate (DEHP)  | 117-81-7   | ■        |      | 28 Oct 2008       |
| 5   | Dibutyl phthalate (DBP)  | 84-74-2  | ■        |      | 28 Oct 2008       |
| 6   | Cobalt dichloride  | 7646-79-9  | ■        |      | 28 Oct 2008       |
| 7   | Sodium dichromate  | 7789-12-0;<br>10588-01-9   | ■        |      | 28 Oct 2008       |
| 8   | Lead hydrogen arsenate   | 7784-40-9  | ■        |      | 28 Oct 2008       |
| 9   | Diarsenic pentaoxide   | 1303-28-2  | ■        |      | 28 Oct 2008       |
| 10  | Triethyl arsenate  | 15606-95-8   | ■        |      | 28 Oct 2008       |
| 11  | Diarsenic trioxide   | 1327-53-3  | ■        |      | 28 Oct 2008       |
| 12  | 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)   | 81-15-2  | ■        |      | 28 Oct 2008       |
| 13  | Hexabromocyclododecane (HBCDD)<br>and all major diastereoisomers identified:<br><br>gamma-hexabromocyclododecane;<br><br>beta-hexabromocyclododecane;<br><br>1,2,5,6,9,10-hexabromocyclododecane;<br><br>Hexabromocyclododecane;<br><br>alpha-hexabromocyclododecane | -<br><br>134237-52-8;<br><br>134237-51-7;<br><br>3194-55-6;<br><br>25637-99-4;<br><br>134237-50-6; | ■        |      | 28 Oct 2008       |
| 14  | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)  | 85535-84-8   | ■        |      | 28 Oct 2008       |
| 15  | Bis(tributyltin)oxide (TBTO)   | 56-35-9  | ■        |      | 28 Oct 2008       |

COIL defines **"REACH Compliant"** to mean that banned substances are not intentionally added during the manufacturing process and have upper concentrations within REACH acceptable limits.

This status is based on COIL's understanding of REACH and COIL's knowledge of the materials that goes into its products as of the date of 1<sup>st</sup> June 2007 disclosure of REACH compliance.



### **Amendment A**

In a press release dated 7<sup>th</sup> December 2009, the European Chemicals Agency (ECHA) announced 12 new substances identified as potential Substances of Very High Concern (SVHC). As of 13<sup>th</sup> January 2010, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name   | CAS NO.    | Not Used | Used | Date of Inclusion |
|-----|--|------------|----------|------|-------------------|
| 16  | Anthracene Oil   | 90640-80-5 | ■        |      | 13 Jan 2010       |
| 17  | Anthracene Oil, Anthracene Paste Distn. Lights             | 91995-17-4 | ■        |      | 13 Jan 2010       |
| 18  | Anthracene oil, Anthracene paste, Anthracene fraction      | 91995-15-2 | ■        |      | 13 Jan 2010       |
| 19  | Anthracene oil, anthracene-low                             | 90640-82-7 | ■        |      | 13 Jan 2010       |
| 20  | Anthracene oil, Anthracene paste                           | 90640-81-6 | ■        |      | 13 Jan 2010       |
| 21  | Diisobutyl phthalate                                       | 84-69-5    | ■        |      | 13 Jan 2010       |
| 22  | Lead chromate  | 7758-97-6  | ■        |      | 13 Jan 2010       |
| 23  | Lead chromate molybdate sulfate red (C.I. Pigment Red 104) | 12656-85-8 | ■        |      | 13 Jan 2010       |
| 24  | Lead sulfochromate yellow (C.I. Pigment Yellow 34)         | 1344-37-2  | ■        |      | 13 Jan 2010       |
| 25  | Tris(2-chloroethyl)phosphate                               | 115-96-8   | ■        |      | 13 Jan 2010       |
| 26  | Pitch, Coal Tar, high temperature                          | 65996-93-2 | ■        |      | 13 Jan 2010       |
| 27  | 2,4-Dinitrotoluene   | 121-14-2   | ■        |      | 13 Jan 2010       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 12 new substances that go into its products as of the date of 13<sup>th</sup> January 2010 disclosure of REACH compliance.

### **Amendment B**

In a press release dated 30<sup>th</sup> March 2010, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 30<sup>th</sup> March 2010 this substance was formally added to the Candidate List, as per list below: -

| No. | Substance Name | CAS NO. | Not Used | Used | Date of Inclusion |
|-----|----------------|---------|----------|------|-------------------|
| 28  | Acrylamide     | 79-06-1 | ■        |      | 30 Mar 2010       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 1 new substance that go into its products as of the date of 30<sup>th</sup> March 2010 disclosure of REACH compliance.

### **Amendment C**

In a press release dated 18<sup>th</sup> June 2010, the European Chemicals Agency (ECHA) announced 8 new substances identified as potential Substances of Very High Concern (SVHC). As of 18<sup>th</sup> June 2010, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name                  | CAS NO.                  | Not Used | Used | Date of Inclusion |
|-----|---------------------------------|--------------------------|----------|------|-------------------|
| 29  | Ammonium dichromate             | 7789-09-5                | ■        |      | 18 Jun 2010       |
| 30  | Boric acid:                     | -                        |          |      | 18 Jun 2010       |
|     | Boric acid, crude natural;      | 11113-50-1;              | ■        |      |                   |
|     | Boric acid                      | 10043-35-3               |          |      |                   |
| 31  | Disodium tetraborate, anhydrous | 1303-96-4;<br>1330-43-4; | ■        |      | 18 Jun 2010       |



|    |   |            |   |  |             |
|----|---|------------|---|--|-------------|
|    |   | 12179-04-3 |   |  |             |
| 32 | Potassium chromate                      | 7789-00-6  | ■ |  | 18 Jun 2010 |
| 33 | Potassium dichromate                    | 7778-50-9  | ■ |  | 18 Jun 2010 |
| 34 | Sodium chromate                         | 7775-11-3  | ■ |  | 18 Jun 2010 |
| 35 | Tetraboron disodium heptaoxide, hydrate | 12267-73-1 | ■ |  | 18 Jun 2010 |
| 36 | Trichloroethylene                       | 79-01-6    | ■ |  | 18 Jun 2010 |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 8 new substances that go into its products as of the date of 18<sup>th</sup> June 2010 disclosure of REACH compliance.

#### **Amendment D**

In a press release dated 15<sup>th</sup> December 2010, the European Chemicals Agency (ECHA) announced 8 new substances identified as potential Substances of Very High Concern (SVHC). As of 15<sup>th</sup> December 2010, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name  | CAS NO.    | Not Used | Used | Date of Inclusion |
|-----|---|------------|----------|------|-------------------|
| 37  | 2-Ethoxyethanol   | 110-80-5   | ■        |      | 15 Dec 2010       |
| 38  | 2-Methoxyethanol  | 109-86-4   | ■        |      | 15 Dec 2010       |
| 39  | Acids generated from chromium trioxide and their oligomers: | -          |          |      | 15 Dec 2010       |
|     | Chromic acid;   | 7738-94-5; | ■        |      |                   |
|     | Oligomers of chromic and dichromic acid;                    | -          |          |      |                   |
|     | Dichromic acid  | 13530-68-2 |          |      |                   |
| 40  | Chromium trioxide   | 1333-82-0  | ■        |      | 15 Dec 2010       |
| 41  | Cobalt(II) carbonate  | 513-79-1   | ■        |      | 15 Dec 2010       |
| 42  | Cobalt(II) diacetate  | 71-48-7    | ■        |      | 15 Dec 2010       |
| 43  | Cobalt(II) dinitrate  | 10141-05-6 | ■        |      | 15 Dec 2010       |
| 44  | Cobalt(II) sulphate   | 10124-43-3 | ■        |      | 15 Dec 2010       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 8 new substances that go into its products as of the date of 15<sup>th</sup> December 2010 disclosure of REACH compliance.

#### **Amendment E**

In a press release dated 20<sup>th</sup> June 2011, the European Chemicals Agency (ECHA) announced 7 new substances identified as potential Substances of Very High Concern (SVHC). As of 20<sup>th</sup> June 2011, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name  | CAS NO.                | Not Used | Used | Date of Inclusion |
|-----|---|------------------------|----------|------|-------------------|
| 45  | 2-Ethoxyethyl acetate   | 111-15-9               | ■        |      | 20 Jun 2011       |
| 46  | Strontium chromate  | 7789-06-2              | ■        |      | 20 Jun 2011       |
| 47  | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4             | ■        |      | 20 Jun 2011       |
| 48  | Hydrazine   | 302-01-2;<br>7803-57-8 | ■        |      | 20 Jun 2011       |
| 49  | 1-Methyl-2-pyrrolidone (NMP)  | 872-50-4               | ■        |      | 20 Jun 2011       |
| 50  | 1,2,3-Trichloropropane  | 96-18-4                | ■        |      | 20 Jun 2011       |
| 51  | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich    | 71888-89-6             | ■        |      | 20 Jun 2011       |



This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 7 new substances that go into its products as of the date of 20<sup>th</sup> June 2011 disclosure of REACH compliance.

### **Amendment F**

In December 2011, the European Chemicals Agency (ECHA) announced 20 new substances identified as potential Substances of Very High Concern (SVHC). As of 19<sup>th</sup> December 2011, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name  | CAS NO.              | Not Used | Used | Date of Inclusion |
|-----|---|----------------------|----------|------|-------------------|
| 52  | Potassium hydroxyoctaoxidizincatedichromate   | 11103-86-9           | ■        |      | 19 Dec 2011       |
| 53  | Pentazinc chromate octahydroxide  | 49663-84-5           | ■        |      | 19 Dec 2011       |
| 54  | Aluminosilicate Refractory Ceramic Fibers are fibers 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, labeling and packaging of substances and mixtures, and fulfill the three following conditions: a) oxides of aluminum and silicon are the main components present (in the fibers) within variable concentration ranges b) fibers have length weighted geometric errors of 6 or less micrometers (µm) c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight (RCF):<br><br>Refractories, fibres, aluminosilicates   | -<br><br>142844-00-6 | ■        |      | 19 Dec 2011       |
| 55  | Zirconia Aluminosilicate Refractory Ceramic Fibers 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 (µm). c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight:<br><br>Refractories, fibres, aluminosilicates | -<br><br>142844-00-6 | ■        |      | 19 Dec 2011       |
| 56  | Formaldehyde, oligomeric reaction products with aniline   | 25214-70-4           | ■        |      | 19 Dec 2011       |
| 57  | Bis(2-methoxyethyl) phthalate   | 117-82-8             | ■        |      | 19 Dec 2011       |
| 58  | 2-Methoxyaniline; o-Anisidine   | 90-04-0              | ■        |      | 19 Dec 2011       |
| 59  | 4-(1,1,3,3-tetramethylbutyl)phenol  | 140-66-9             | ■        |      | 19 Dec 2011       |
| 60  | 1,2-Dichloroethane  | 107-06-2             | ■        |      | 19 Dec 2011       |
| 61  | Bis(2-methoxyethyl) ether   | 111-96-6             | ■        |      | 19 Dec 2011       |
| 62  | Arsenic acid  | 7778-39-4            | ■        |      | 19 Dec 2011       |
| 63  | Calcium arsenate  | 7778-44-1            | ■        |      | 19 Dec 2011       |
| 64  | Trilead diarsenate  | 3687-31-8            | ■        |      | 19 Dec 2011       |
| 65  | N,N-dimethylacetamide   | 127-19-5             | ■        |      | 19 Dec 2011       |
| 66  | 2,2'-dichloro-4,4'-methylenedianiline   | 101-14-4             | ■        |      | 19 Dec 2011       |
| 67  | Dichromium tris (chromate)  | 24613-89-6           | ■        |      | 19 Dec 2011       |
| 68  | Phenolphthalein   | 77-09-8              | ■        |      | 19 Dec 2011       |
| 69  | Lead diazide, Lead azide  | 13424-46-9           | ■        |      | 19 Dec 2011       |



|    |                |            |   |  |             |
|----|----------------|------------|---|--|-------------|
| 70 | Lead styphnate | 15245-44-0 | ■ |  | 19 Dec 2011 |
| 71 | Lead dipicrate | 6477-64-1  | ■ |  | 19 Dec 2011 |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 20 new substances that go into its products as of the date of 19<sup>th</sup> December 2011 disclosure of REACH compliance.

### **Amendment G**

In June 2012, the European Chemicals Agency (ECHA) announced 13 new substances identified as potential Substances of Very High Concern (SVHC). As of 18<sup>th</sup> June 2012, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name  | CAS NO.    | Not Used | Used | Date of Inclusion |
|-----|---|------------|----------|------|-------------------|
| 72  | $\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)                                 | 6786-83-0  | ■        |      | 18 Jun 2012       |
| 73  | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)  | 101-61-1   | ■        |      | 18 Jun 2012       |
| 74  | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)   | 59653-74-6 | ■        |      | 18 Jun 2012       |
| 75  | Diboron trioxide  | 1303-86-2  | ■        |      | 18 Jun 2012       |
| 76  | 1,2-bis(dimethoxyethoxy)ethane (TEGDME; triglyme)   | 112-49-2   | ■        |      | 18 Jun 2012       |
| 77  | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)   | 561-41-1   | ■        |      | 18 Jun 2012       |
| 78  | Lead(II) bis(methanesulfonate)  | 17570-76-2 | ■        |      | 18 Jun 2012       |
| 79  | Formamide   | 75-12-7    | ■        |      | 18 Jun 2012       |
| 80  | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)                  | 548-62-9   | ■        |      | 18 Jun 2012       |
| 81  | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)   | 110-71-4   | ■        |      | 18 Jun 2012       |
| 82  | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) | 2580-56-5  | ■        |      | 18 Jun 2012       |
| 83  | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)  | 2451-62-9  | ■        |      | 18 Jun 2012       |
| 84  | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)  | 90-94-8    | ■        |      | 18 Jun 2012       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 13 new substances that go into its products as of the date of 18<sup>th</sup> June 2012 disclosure of REACH compliance.

### **Amendment H**

In December 2012, the European Chemicals Agency (ECHA) announced 54 new substances identified as potential Substances of Very High Concern (SVHC). As of 19<sup>th</sup> December 2012, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name  | CAS NO.  | Not Used | Used | Date of Inclusion |
|-----|---|--|----------|------|-------------------|
| 85  | 4-aminoazobenzene   | 60-09-3  | ■        |      | 19 Dec 2012       |
| 86  | Pyrochlore, antimony lead yellow  | 8012-00-8  | ■        |      | 19 Dec 2012       |
| 87  | 6-methoxy-m-toluidine (p-cresidine)   | 120-71-8   | ■        |      | 19 Dec 2012       |
| 88  | Henicosaflluoroundecanoic acid  | 2058-94-8  | ■        |      | 19 Dec 2012       |
| 89  | Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers:<br><br>Hexahydro-1-methylphthalic anhydride;<br><br>Hexahydro-3-methylphthalic anhydride;<br><br>Hexahydromethylphthalic anhydride;<br><br>Hexahydro-4-methylphthalic anhydride   | -<br><br>48122-14-1;<br><br>57110-29-9;<br><br>25550-51-0;<br><br>19438-60-9 | ■        |      | 19 Dec 2012       |
| 90  | Cyclohexane-1,2-dicarboxylic anhydride all possible combinations of the cis- and trans-isomers:<br><br>cis-cyclohexane-1,2-dicarboxylic anhydride;<br><br>trans-cyclohexane-1,2-dicarboxylic anhydride;<br><br>Cyclohexane-1,2-dicarboxylic anhydride   | -<br><br>13149-00-3;<br><br>14166-21-3;<br><br>85-42-7                       | ■        |      | 19 Dec 2012       |
| 91  | Dibutyltin dichloride (DBTC)  | 683-18-1   | ■        |      | 19 Dec 2012       |
| 92  | Lead bis(tetrafluoroborate)   | 13814-96-5   | ■        |      | 19 Dec 2012       |
| 93  | Lead dinitrate  | 10099-74-8   | ■        |      | 19 Dec 2012       |
| 94  | Silicic acid, lead salt   | 11120-22-2   | ■        |      | 19 Dec 2012       |
| 95  | Lead titanium zirconium oxide   | 12626-81-2   | ■        |      | 19 Dec 2012       |
| 96  | Lead monoxide (lead oxide)  | 1317-36-8  | ■        |      | 19 Dec 2012       |
| 97  | o-Toluidine   | 95-53-4  | ■        |      | 19 Dec 2012       |
| 98  | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolid ine   | 143860-04-2  | ■        |      | 19 Dec 2012       |
| 99  | Silicic acid (H <sub>2</sub> SiO <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 082-001-006 in regulation (EC) No 1272/2008]  | 68784-75-8   | ■        |      | 19 Dec 2012       |
| 100 | Trilead bis(carbonate)dihydroxide   | 1319-46-6  | ■        |      | 19 Dec 2012       |
| 101 | Furan   | 110-00-9   | ■        |      | 19 Dec 2012       |
| 102 | N,N-dimethylformamide   | 68-12-2  | ■        |      | 19 Dec 2012       |
| 103 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated covering well-defined substances and UVCB substances, polymers and homologues:<br><br>2-{2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethoxy}ethanol;<br><br>20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol;<br><br>2-[[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethanol];<br><br>2-[[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethan-1-ol | -<br><br>2315-61-9<br><br>2497-59-8<br><br>9002-93-1<br><br>2315-67-5        | ■        |      | 19 Dec 2012       |
| 104 | 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   | -  | ■        |      | 19 Dec 2012       |



|     |   |              |   |  |             |
|-----|---|--------------|---|--|-------------|
|     | phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof: |              |   |  |             |
|     | p-nonylphenol;  | 104-40-5;    |   |  |             |
|     | p-(1-methyloctyl)phenol;  | 17404-66-9;  |   |  |             |
|     | p-isononylphenol;   | 26543-97-5;  |   |  |             |
|     | 4-(1-Ethyl-1,4-Dimethylpentyl)Phenol;   | 142731-63-3; |   |  |             |
|     | 4-(1-Ethyl-1,3-Dimethylpentyl)Phenol;   | 186825-36-5; |   |  |             |
|     | 4-(1-ethyl-1-methylhexyl)phenol;  | 52427-13-1;  |   |  |             |
|     | p-(1,1-dimethylheptyl)phenol;   | 30784-30-6;  |   |  |             |
|     | Phenol, 4-nonyl-, branched;   | 84852-15-3;  |   |  |             |
|     | 4-(3-ethylheptan-2-yl)phenol;   | 186825-39-8; |   |  |             |
|     | Nonylphenol;  | 25154-52-3;  |   |  |             |
|     | Phenol, nonyl-, branched;   | 90481-04-2;  |   |  |             |
|     | 4-(1,1,5-Trimethylhexyl)phenol;   | 521947-27-3; |   |  |             |
|     | Isononylphenol  | 11066-49-2   |   |  |             |
| 105 | 4,4'-methylenedi-o-toluidine  | 838-88-0     | ■ |  | 19 Dec 2012 |
| 106 | Diethyl sulphate  | 64-67-5      | ■ |  | 19 Dec 2012 |
| 107 | Dimethyl sulphate   | 77-78-1      | ■ |  | 19 Dec 2012 |
| 108 | Lead oxide sulfate  | 12036-76-9   | ■ |  | 19 Dec 2012 |
| 109 | Lead titanium trioxide  | 12060-00-3   | ■ |  | 19 Dec 2012 |
| 110 | Acetic acid, lead salt, basic   | 51404-69-4   | ■ |  | 19 Dec 2012 |
| 111 | [Phthalato(2-)]dioxotrilead   | 69011-06-9   | ■ |  | 19 Dec 2012 |
| 112 | Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)   | 1163-19-5    | ■ |  | 19 Dec 2012 |
| 113 | N-methylacetamide   | 79-16-3      | ■ |  | 19 Dec 2012 |
| 114 | Dinoseb (6-sec-butyl-2,4-dinitrophenol)   | 88-85-7      | ■ |  | 19 Dec 2012 |
| 115 | 1,2-Diethoxyethane  | 629-14-1     | ■ |  | 19 Dec 2012 |
| 116 | Tetralead trioxide sulphate   | 12202-17-4   | ■ |  | 19 Dec 2012 |
| 117 | n-pentyl-isopentylphthalate   | 776297-69-9  | ■ |  | 19 Dec 2012 |
| 118 | Dioxobis(stearato)trilead   | 12578-12-0   | ■ |  | 19 Dec 2012 |
| 119 | Tetraethyllead  | 78-00-2      | ■ |  | 19 Dec 2012 |
| 120 | Pentalead tetraoxide sulphate   | 12065-90-6   | ■ |  | 19 Dec 2012 |
| 121 | Pentacosfluorotridecanoic acid  | 72629-94-8   | ■ |  | 19 Dec 2012 |
| 122 | Tricosfluorododecanoic acid   | 307-55-1     | ■ |  | 19 Dec 2012 |
| 123 | Heptacosfluorotetradecanoic acid  | 376-06-7     | ■ |  | 19 Dec 2012 |
| 124 | 1-bromopropane (n-propyl bromide)   | 106-94-5     | ■ |  | 19 Dec 2012 |
| 125 | Methoxyacetic acid  | 625-45-6     | ■ |  | 19 Dec 2012 |
| 126 | Methyloxirane (Propylene oxide)   | 75-56-9      | ■ |  | 19 Dec 2012 |
| 127 | Trilead dioxide phosphonate   | 12141-20-7   | ■ |  | 19 Dec 2012 |
| 128 | o-aminoazotoluene   | 97-56-3      | ■ |  | 19 Dec 2012 |
| 129 | 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear   | 84777-06-0   | ■ |  | 19 Dec 2012 |
| 130 | 4,4'-oxydianiline and its salts:  | -            | ■ |  | 19 Dec 2012 |



|     |  |            |   |  |             |
|-----|--|------------|---|--|-------------|
|     | 4,4'-oxydianiline  | 101-80-4   |   |  |             |
| 131 | Orange lead (lead tetroxide)                             | 1314-41-6  | ■ |  | 19 Dec 2012 |
| 132 | Biphenyl-4-ylamine                                       | 92-67-1    | ■ |  | 19 Dec 2012 |
| 133 | Diisopentyl phthalate                                    | 605-50-5   | ■ |  | 19 Dec 2012 |
| 134 | Fatty acids, C16-18, lead salts                          | 91031-62-8 | ■ |  | 19 Dec 2012 |
| 135 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) | 123-77-3   | ■ |  | 19 Dec 2012 |
| 136 | 4-methyl-m-phenylenediamine (toluene-2,4-diamine)        | 95-80-7    | ■ |  | 19 Dec 2012 |
| 137 | Sulfurous acid, lead salt, dibasic                       | 62229-08-7 | ■ |  | 19 Dec 2012 |
| 138 | Lead cyanamidate   | 20837-86-9 | ■ |  | 19 Dec 2012 |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 54 new substances that go into its products as of the date of 19<sup>th</sup> December 2012 disclosure of REACH compliance.

### Amendment I

On 19<sup>th</sup> June 2013, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of 20<sup>th</sup> June 2013, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name   | CAS NO.   | Not Used | Used | Date of Inclusion |
|-----|--|---|----------|------|-------------------|
| 139 | Cadmium  | 7440-43-9   | ■        |      | 20 Jun 2013       |
| 140 | Ammonium pentadecafluorooctanoate (APFO)   | 3825-26-1   | ■        |      | 20 Jun 2013       |
| 141 | Pentadecafluorooctanoic acid (PFOA)  | 335-67-1  | ■        |      | 20 Jun 2013       |
| 142 | Dipentyl phthalate (DPP)   | 131-18-0  | ■        |      | 20 Jun 2013       |
| 143 | 4-Nonylphenol, branched and linear, ethoxylated substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof:<br><br>Nonylphenol, ethoxylated (6,5-EO);<br><br>Nonylphenol, branched, ethoxylated (1 - 2.5 moles ethoxylated);<br><br>Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)-ω-hydroxy-, branched;<br><br>Poly (oxy-1,2-ethanediyl), alpha -(nonylphenyl)-omega-hydroxy-, branched;<br><br>4-Nonylphenol, ethoxylated;<br><br>Nonylphenol, ethoxylated (15-EO);<br><br>20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol;<br><br>Nonylphenol, ethoxylated;<br><br>26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan -1-ol; | -<br><br>9016-45-9;<br><br>68412-54-4;<br><br>68412-54-4;<br><br>-<br><br>26027-38-3;<br><br>9016-45-9;<br><br>27942-27-4;<br><br>9016-45-9;<br><br>14409-72-4; | ■        |      | 20 Jun 2013       |





|   |               |  |  |  |
|---|---------------|--|--|--|
| 2-[2-(4-nonylphenoxy)ethoxy]ethanol;  | 20427-84-3;   |  |  |  |
| 2-[2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol;                            | 7311-27-5;    |  |  |  |
| Nonylphenol, ethoxylated (8-EO);  | 9016-45-9;    |  |  |  |
| Nonylphenol, ethoxylated (10-EO);   | 9016-45-9;    |  |  |  |
| Poly(oxy-1,2-ethanediyl), $\alpha$ -(nonylphenyl)- $\omega$ -hydroxy;               | 9016-45-9;    |  |  |  |
| 14-(nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol;                                 | 26264-02-8;   |  |  |  |
| 26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol;                       | 26571-11-9;   |  |  |  |
| 2-[2-(nonylphenoxy)ethoxy]ethanol;  | 27176-93-8;   |  |  |  |
| 20-(nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol;                                | 27177-03-3;   |  |  |  |
| 23-(nonylphenoxy)-3,6,9,12,15,18,21-heptaotricosan-1-ol;                            | 27177-05-5;   |  |  |  |
| 29-(nonylphenoxy)-3,6,9,12,15,18,21,24,27-nonaoxanonacosanol;                       | 27177-08-8;   |  |  |  |
| 2-(nonylphenoxy)ethanol;  | 27986-36-3;   |  |  |  |
| 26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol;                       | 42173-90-0;   |  |  |  |
| 44-(nonylphenoxy)-3,6,9,12,15,18,21,24,27,30,33,36,39,42-tetradecaotatetracontanol; | 57321-10-5;   |  |  |  |
| 20-(isononylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol;                             | 65455-69-8;   |  |  |  |
| 4-Nonylphenol, branched, ethoxylated;   | 127087-87-0;  |  |  |  |
| Nonylphenolpolyglycoether;  | -             |  |  |  |
| 2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol;                                      | 1119449-37-4; |  |  |  |
| Isononylphenol, ethoxylated;  | 37205-87-1;   |  |  |  |
| 17-(4-nonylphenoxy)-3,6,9,12,15-pentaoxaheptadecan-1-ol;                            | 34166-38-6;   |  |  |  |
| 4-Nonylphenol, branched, ethoxylated;   | 127087-87-0;  |  |  |  |
| 2-(isononylphenoxy)ethanol;   | 284-987-5;    |  |  |  |
| 3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-, branched;                   | 91648-64-5;   |  |  |  |
| 3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29-(isononylphenoxy);                | 65455-72-3;   |  |  |  |



|     |  |                          |   |  |             |
|-----|--|--------------------------|---|--|-------------|
|     | 3,6,9,12,15-Pentaoxaheptadecan-1-ol, 17-(nonylphenoxy);  | 27177-01-1;              |   |  |             |
|     | 3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy);   | 20636-48-0;              |   |  |             |
|     | 4-t-Nonylphenol-diethoxylate;                            | 156609-10-8;             |   |  |             |
|     | 2-(4-nonylphenoxy)ethanol;                               | 104-35-8;                |   |  |             |
|     | Nonylphenol, ethoxylated (EO = 10);                      | -                        |   |  |             |
|     | 2-{2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy}ethanol; | 1119449-38-5;            |   |  |             |
|     | Nonylphenol, ethoxylated (polymer);                      | -                        |   |  |             |
|     | Nonylphenol, ethoxylated (EO = 4)                        | -                        |   |  |             |
| 144 | Cadmium oxide:<br>Monteponite (CdO)                      | 1306-19-0;<br>12139-21-8 | ■ |  | 20 Jun 2013 |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 6 new substances that go into its products as of the date of 20<sup>th</sup> June 2013 disclosure of REACH compliance.

#### **Amendment J**

On 10<sup>th</sup> December 2013, the European Chemicals Agency (ECHA) announced 7 new substances identified as potential Substances of Very High Concern (SVHC). As of 16<sup>th</sup> December 2013, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name  | CAS NO.    | Not Used | Used | Date of Inclusion |
|-----|---|------------|----------|------|-------------------|
| 145 | Cadmium sulphide  | 1306-23-6  | ■        |      | 16 Dec 2013       |
| 146 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminona phthalene-1-sulphonate) (C.I. Direct Red 28)   | 573-58-0   | ■        |      | 16 Dec2013        |
| 147 | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulpho nate (C.I. Direct Black 38) | 1937-37-7  | ■        |      | 16 Dec 2013       |
| 148 | Dihexyl phthalate   | 84-75-3    | ■        |      | 16 Dec 2013       |
| 149 | Imidazolidine-2-thione (2-imidazoline-2-thiol)  | 96-45-7    | ■        |      | 16 Dec2013        |
| 150 | Lead di(acetate)  | 301-04-2   | ■        |      | 16 Dec 2013       |
| 151 | Trixylyl phosphate  | 25155-23-1 | ■        |      | 16 Dec 2013       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 7 new substances that go into its products as of the date of 16<sup>th</sup> December 2013 disclosure of REACH compliance.

#### **Amendment K**

On 16<sup>th</sup> June 2013, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 16<sup>th</sup> June 2013, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name    | CAS NO.     | Not Used | Used | Date of Inclusion |
|-----|-------------------|-------------|----------|------|-------------------|
| 152 | Cadmium chloride: | 10108-64-2; | ■        |      | 16 Jun 2014       |



|   |  |              |   |  |             |
|---|--|--------------|---|--|-------------|
|   | cadmium chloride (CdCl <sub>2</sub> ), hydrate (2:5)                         | 7790-78-5    |   |  |             |
| 153   | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear             | 68515-50-4   | ■ |  | 16 Jun 2014 |
| 154   | Sodium peroxometaborate  | 7632-04-4    | ■ |  | 16 Jun 2014 |
| 155   | Sodium perborate; perboric acid, sodium salt:                                | -            | ■ |  | 16 Jun 2014 |
|   | Perboric acid, sodium salt, tetrahydrate ();                                 | 37244-98-7;  |   |  |             |
|   | Perboric acid (HBO(O <sub>2</sub> )), sodium salt, tetrahydrate;             | 10486-00-7;  |   |  |             |
|   | Sodium perborate monohydrate;  | 10332-33-9;  |   |  |             |
|   | Sodium perborate;  | 15120-21-5;  |   |  |             |
|   | Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2);            | 90568-23-3;  |   |  |             |
|   | Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6); | 125022-34-6; |   |  |             |
| Perboric acid, sodium salt;   | 11138-47-9;  |              |   |  |             |
| Perboric acid (H <sub>3</sub> BO <sub>2</sub> (O <sub>2</sub> )), monosodium salt, trihydrate | 13517-20-9   |              |   |  |             |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 4 new substances that go into its products as of the date of 16<sup>th</sup> June 2014 disclosure of REACH compliance.

### Amendment L

On 17<sup>th</sup> December 2014, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of 17<sup>th</sup> December 2014, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name   | CAS NO.     | Not Used | Used | Date of Inclusion |
|-----|--|-------------|----------|------|-------------------|
| 156 | Cadmium sulphate:  | 10124-36-4; | ■        |      | 17 Dec 2014       |
|     | Sulfuric acid, cadmium salt, hydrate (3:3:8);  | 31119-53-6; |          |      |                   |
|     | Sulfuric acid, cadmium salt (1:1), hydrate   | 7790-84-3;  |          |      |                   |
| 157 | Cadmium fluoride   | 15244-35-6  | ■        |      | 17 Dec 2014       |
| 158 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)   | 7790-79-6   | ■        |      | 17 Dec 2014       |
| 159 | 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) | 25973-55-1  | ■        |      | 17 Dec 2014       |
| 160 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)   | -           | ■        |      | 17 Dec 2014       |
| 161 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)   | 15571-58-1  | ■        |      | 17 Dec 2014       |
|     |  | 3846-71-7   | ■        |      | 17 Dec 2014       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 6 new substances that go into its products as of the date of 17<sup>th</sup> December 2014 disclosure of REACH compliance.



### Amendment M

On 15<sup>th</sup> June 2015, the European Chemicals Agency (ECHA) announced 2 new substances identified as potential Substances of Very High Concern (SVHC). As of 15<sup>th</sup> June 2014, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name   | CAS NO.      | Not Used | Used | Date of Inclusion |
|-----|--|--------------|----------|------|-------------------|
| 162 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5):   | -            |          |      | 15 Jun 2015       |
|     | 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters;  | 68648-93-1;  | ■        |      |                   |
|     | 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl ester   | 68515-51-5   |          |      |                   |
| 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: | -            |          |      | 15 Jun 2015       |
|     | 1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl);   | 186309-28-4; |          |      |                   |
|     | 1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl);   | 117933-89-8; |          |      |                   |
|     | 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel;   | 343934-04-3; |          |      |                   |
|     | 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans;   | 676367-09-2; |          |      |                   |
|     | 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel;   | 343934-05-4; |          |      |                   |
|     | 1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis;   | 676367-04-7; | ■        |      |                   |
|     | 1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans;   | 676367-08-1; |          |      |                   |
|     | 1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis;   | 676367-03-6; |          |      |                   |
|     | 1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans;   | 676367-07-0; |          |      |                   |
|     | 1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis;   | 676367-02-5; |          |      |                   |
|     | 1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans;   | 676367-06-9; |          |      |                   |
|     | Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-                  | -            |          |      |                   |



|   |   |   |   |   |             |
|---|---|---|---|---|-------------|
| <p>[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane;</p> <p>5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane;</p> <p>5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane;</p> <p>Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane;</p> <p>1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis</p> | - | - | - | - | 676367-05-8 |
|---|---|---|---|---|-------------|

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 2 new substances that go into its products as of the date of 15<sup>th</sup> June 2015 disclosure of REACH compliance.

#### **Amendment N**

On 22<sup>nd</sup> January 2016, the European Chemicals Agency (ECHA) announced 5 new substances identified as potential Substances of Very High Concern (SVHC). As of 17<sup>th</sup> December 2015 these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name   | CAS NO.    | Not Used | Used | Date of Inclusion |
|-----|--|------------|----------|------|-------------------|
| 164 | 1,3-propanesultone   | 1120-71-4  | ■        |      | 17 Dec 2015       |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)       | 3864-99-1  | ■        |      | 17 Dec 2015       |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl-phenol (UV-350) | 36437-37-3 | ■        |      | 17 Dec 2015       |
| 167 | Nitrobenzene   | 98-95-3    | ■        |      | 17 Dec 2015       |
| 168 | Perfluorononan-1-oic-acid and its sodium and ammonium salts:         | -          |          |      | 17 Dec 2015       |
|     | Ammonium salts of perfluorononan-1-oic-acid;                         | 4149-60-4; | ■        |      |                   |
|     | Perfluorononan-1-oic-acid;   | 375-95-1;  |          |      |                   |
|     | Sodium salts of perfluorononan-1-oic-acid                            | 21049-39-8 |          |      |                   |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 5 new substances that go into its products as of the date of 22<sup>nd</sup> January 2016 disclosure of REACH compliance.

#### **Amendment O**

On 11<sup>th</sup> July 2016, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 20<sup>th</sup> June 2016, this substance was formally added to the Candidate List, as per list below: -



| No. | Substance Name                      | CAS NO. | Not Used | Used | Date of Inclusion |
|-----|-------------------------------------|---------|----------|------|-------------------|
| 169 | Benzo[def]chrysene (Benzo[a]phenol) | 50-32-8 | ■        |      | 20 Jun 2016       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 1 new substance that go into its products as of the date of 20<sup>th</sup> June 2016 disclosure of REACH compliance.

### Amendment P

On 12<sup>th</sup> January 2017, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 12<sup>th</sup> January 2017, these substances were formally added to the Candidate List, as per list below: -

| No.                    | Substance Name   | CAS NO.      | Not Used | Used | Date of Inclusion |
|------------------------|--|--------------|----------|------|-------------------|
| 170                    | p-(1,1-dimethylpropyl)phenol   | 80-46-6      | ■        |      | 12 Jan 2017       |
| 171                    | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts:  | -            |          |      | 12 Jan 2017       |
|                        | Nonadecafluorodecanoic acid;   | 335-76-2;    | ■        |      |                   |
|                        | sodium nonadecafluorodecanoate;  | 3830-45-3;   |          |      |                   |
|                        | Ammonium nonadecafluorodecanoate   | 3108-42-7    |          |      |                   |
| 172                    | 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: | -            |          |      | 12 Jan 2017       |
|                        | Phenol, heptyl derivs.;  | 72624-02-3;  |          |      |                   |
|                        | 4-(2,3,3-trimethylbutan-2-yl)phenol;   | 72861-06-4;  |          |      |                   |
|                        | 4-(2,4-dimethylpentan-2-yl)phenol;   | 33104-11-9;  |          |      |                   |
|                        | 4-(3-ethylpentan-3-yl)phenol;  | 37872-24-5;  |          |      |                   |
|                        | 4-(2-methylhexan-2-yl)phenol;  | 30784-31-7;  |          |      |                   |
|                        | 4-(3,3-dimethylpentan-2-yl)phenol;   | 911371-06-7; | ■        |      |                   |
|                        | 4-(3-methylhexan-2-yl)phenol;  | 854904-93-1; |          |      |                   |
|                        | 4-(4,4-dimethylpentan-2-yl)phenol;   | 911371-07-8; |          |      |                   |
|                        | 4-(4-methylhexan-2-yl)phenol;  | 71945-81-8;  |          |      |                   |
|                        | 4-(3-methylhexan-3-yl)phenol;  | 30784-32-8;  |          |      |                   |
|                        | 4-(2,2-dimethylpentan-3-yl)phenol;   | 861010-65-3; |          |      |                   |
|                        | 4-(5-methylhexan-3-yl)phenol;  | 854904-92-0; |          |      |                   |
|                        | 4-(heptan-3-yl)phenol;   | 6465-74-3;   |          |      |                   |
| 4-(heptan-2-yl)phenol; | 6863-24-7;   |              |          |      |                   |



|     |   |               |   |  |             |
|-----|---|---------------|---|--|-------------|
|     | 4-(heptan-4-yl)phenol;                          | 6465-71-0;    |   |  |             |
|     | 4-(3-ethylpentyl)phenol;                        | 911370-98-4;  |   |  |             |
|     | 4-(3-methylhexyl)phenol;                        | 102570-52-5;  |   |  |             |
|     | 4-(4-methylhexyl)phenol;                        | 1139800-98-8; |   |  |             |
|     | 4-(5-methylhexyl)phenol;                        | 100532-36-3;  |   |  |             |
|     | 4-(2,4-dimethylpentan-3-yl)phenol;              | 1824346-00-0; |   |  |             |
|     | 4-(2,3-dimethylpentan-2-yl)phenol;              | 861011-60-1;  |   |  |             |
|     | Phenol, 4-(1-ethyl-1,2-dimethylpropyl);         | 30784-27-1;   |   |  |             |
|     | Phenol, 4-tert-heptyl;                          | 288864-02-8;  |   |  |             |
|     | 4-(5-methylhexan-2-yl)phenol                    | 857629-71-1   |   |  |             |
| 173 | 4,4'-isopropylidenediphenol<br>Bisphenol A; BPA | 80-05-7       | ■ |  | 12 Jan 2017 |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 4 new substances that go into its products as of the date of 12<sup>th</sup> January 2017, disclosure of REACH compliance.

### **Amendment Q**

On 7<sup>th</sup> July 2017, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 7<sup>th</sup> July 2017, this substance was formally added to the Candidate List, as per list below: -

| No. | Substance Name   | CAS NO.       | Not Used | Used | Date of Inclusion |
|-----|--|---------------|----------|------|-------------------|
| 174 | Perfluorohexane-1-sulphonic acid and its salts<br>PFHxS:   | -             |          |      |                   |
|     | ammonium perfluorohexane-1-sulphonate;   | 68259-08-5;   |          |      |                   |
|     | perfluorohexane-1-sulphonic acid;  | 355-46-4;     |          |      |                   |
|     | tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1);  | 70225-16-0;   |          |      |                   |
|     | potassium perfluorohexane-1-sulphonate;  | 3871-99-6;    | ■        |      | 07 Jul 2017       |
|     | N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate;  | 108427-55-0;  |          |      |                   |
|     | Phosponium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);                       | 1000597-52-3; |          |      |                   |
|     | Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, | 1310480-24-0; |          |      |                   |



|   |               |  |  |  |
|---|---------------|--|--|--|
| 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);  | 1310480-27-3; |  |  |  |
| Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);  | 1310480-28-4; |  |  |  |
| Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1); | 1329995-45-0; |  |  |  |
| Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1);  | 1329995-69-8; |  |  |  |
| Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1);   | 144116-10-9;  |  |  |  |
| Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);   | 1462414-59-0; |  |  |  |
| Quinolinium, 1-(carboxymethyl)-4-[2-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);      | 153443-35-7;  |  |  |  |
| Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);   | 189274-31-5;  |  |  |  |
| Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1);   | 202189-84-2;  |  |  |  |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1);  | 213740-81-9;  |  |  |  |
| Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);   | 341035-71-0;  |  |  |  |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9Cl);  | 341548-85-4;  |  |  |  |
| Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);   | 350836-93-0;  |  |  |  |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1);   | 41184-65-0;   |  |  |  |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1);  | 41242-12-0;   |  |  |  |





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|--|--------------|--|--|--|
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1);   | 421555-73-9; |  |  |  |
| Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2);  | 421555-74-0; |  |  |  |
| Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic;  | 425670-70-8; |  |  |  |
| Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);  | 55120-77-9;  |  |  |  |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1);   | 70136-72-0;  |  |  |  |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt;  | 72033-41-1;  |  |  |  |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1);  | 82382-12-5;  |  |  |  |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt;  | 866621-50-3; |  |  |  |
| Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl);  | 910606-39-2; |  |  |  |
| Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);   | 911027-68-4; |  |  |  |
| Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);  | 911027-69-5; |  |  |  |
| Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.1 <sup>3,7</sup> ]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.1 <sup>3,7</sup> ]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate; | 108427-54-9; |  |  |  |
| N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate;   | 928049-42-7; |  |  |  |
| Dibenzo[k,n]<br>[1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1);  | 92011-17-1;  |  |  |  |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1);  | 1187817-57-7 |  |  |  |



|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1) |  |  |  |  |
|--|--|--|--|--|--|

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 1 new substance that go into its products as of the date of 7<sup>th</sup> July 2017, disclosure of REACH compliance.

### Amendment R

On 15<sup>th</sup> January 2018, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of 15<sup>th</sup> January 2018, this substance was formally added to the Candidate List, as per list below: -

| No. | Substance Name  | CAS NO.                                  | Not Used | Used | Date of Inclusion |
|-----|---|--|----------|------|-------------------|
| 175 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl):<br><br>Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.;<br><br>Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine | -<br><br>1471311-26-8;<br><br>93925-00-9 | ■        |      | 15 Jan 2018       |
| 176 | Chrysene  | 218-01-9;                                | ■        |      | 15 Jan 2018       |
| 177 | Cadmium nitrate   | 10325-94-7                               | ■        |      | 15 Jan 2018       |
| 178 | Cadmium hydroxide   | 21041-95-2                               | ■        |      | 15 Jan 2018       |
| 179 | Cadmium carbonate   | 513-78-0                                 | ■        |      | 15 Jan 2018       |
| 180 | Benz[a]anthracene   | 56-55-3;                                 | ■        |      | 15 Jan 2018       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 6 new substances that go into its products as of the date of 15<sup>th</sup> January 2018 disclosure of REACH compliance.

### Amendment S

On 15<sup>th</sup> January 2018, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 15<sup>th</sup> January 2018, this substance was formally added to the Candidate List, as per list below: -

| No. | Substance Name   | CAS NO.               | Not Used | Used | Date of Inclusion |
|-----|--|-----------------------|----------|------|-------------------|
| 181 | 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16.9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" <sup>™</sup> ) covering any of its individual anti- and syn-isomers or any combination thereof:<br><br>(1S,2S,5R,6R,9S,10S,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1 <sup>6</sup> ,9.0 <sup>2</sup> ,13.0 <sup>5</sup> ,10]octadeca-7,15-diene rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene; | -<br><br>135821-03-3; | ■        |      | 15 Jan 2018       |

|   |              |  |  |  |
|---|--------------|--|--|--|
| 1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo[12.2.1.1.16,9.02,13.05,10]octadeca-7,15-diene;  | 13560-89-9;  |  |  |  |
| (1S,2S,5S,6S,9R,10R,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1.1 <sup>6</sup> , <sup>9</sup> .0 <sup>2</sup> , <sup>13</sup> .0 <sup>5</sup> , <sup>10</sup> ]octadeca-7,15-diene; | 135821-74-8; |  |  |  |
| rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene;  | -            |  |  |  |
| rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene   | -            |  |  |  |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 1 new substance that go into its products as of the date of 15th January 2018 disclosure of REACH compliance.

#### **Amendment T**

On 27<sup>th</sup> June 2018, the European Chemicals Agency (ECHA) announced 10 new substances identified as potential Substances of Very High Concern (SVHC). As of 27<sup>th</sup> June 2018, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name                                 | CAS NO.    | Not Used | Used | Date of Inclusion |
|-----|--|------------|----------|------|-------------------|
| 182 | Terphenyl, hydrogenated                        | 61788-32-7 | ■        |      | 27 Jun 2018       |
| 183 | Octamethylcyclotetrasiloxane                   | 556-67-2   | ■        |      | 27 Jun 2018       |
| 184 | Lead   | 7439-92-1  | ■        |      | 27 Jun 2018       |
| 185 | Ethylenediamine                                | 107-15-3   | ■        |      | 27 Jun 2018       |
| 186 | Dodecamethylcyclohexasiloxane                  | 540-97-6   | ■        |      | 27 Jun 2018       |
| 187 | Disodium octaborate                            | 12008-41-2 | ■        |      | 27 Jun 2018       |
| 188 | Dicyclohexyl phthalate                         | 84-61-7    | ■        |      | 27 Jun 2018       |
| 189 | Decamethylcyclopentasiloxane                   | 541-02-6   | ■        |      | 27 Jun 2018       |
| 190 | Benzo[ghi]perylene                             | 191-24-2   | ■        |      | 27 Jun 2018       |
| 191 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride | 552-30-7   | ■        |      | 27 Jun 2018       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 10 new substances that go into its products as of the date of 27<sup>th</sup> June 2018 disclosure of REACH compliance.

#### **Amendment U**

On 15<sup>th</sup> January 2018, the European Chemicals Agency (ECHA) announced 6 new substances identified as potential Substances of Very High Concern (SVHC). As of 15<sup>th</sup> January 2018, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name | CAS NO.  | Not Used | Used | Date of Inclusion |
|-----|----------------|----------|----------|------|-------------------|
| 192 | Pyrene         | 129-00-0 | ■        |      | 15 Jan 2019       |



|     |  |            |   |  |             |
|-----|--|------------|---|--|-------------|
| 193 | Phenanthrene   | 85-01-8    | ■ |  | 15 Jan 2019 |
| 194 | Fluoranthene   | 206-44-0   | ■ |  | 15 Jan 2019 |
| 195 | Benzo[k]fluoranthene   | 207-08-9   | ■ |  | 15 Jan 2019 |
| 196 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane  | 6807-17-6  | ■ |  | 15 Jan 2019 |
| 197 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one<br>3-benzylidene camphor; 3-BC | 15087-24-8 | ■ |  | 15 Jan 2019 |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 6 new substances that go into its products as of the date of 15<sup>th</sup> January 2019 disclosure of REACH compliance.

### **Amendment V**

On 15<sup>th</sup> July 2018, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 16<sup>th</sup> July 2019, these substances were formally added to the Candidate List, as per list below: -

| No.                             | Substance Name   | CAS NO.     | Not Used | Used | Date of Inclusion |
|---------------------------------|--|-------------|----------|------|-------------------|
| 198                             | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof ; | -           |          |      | 16 Jul 2019       |
|                                 | ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate;   | 62037-80-3; |          |      |                   |
|                                 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride;  | 2062-98-8;  | ■        |      |                   |
|                                 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid;  | 13252-13-6; |          |      |                   |
|                                 | potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate;  | 67118-55-2; |          |      |                   |
|                                 | Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+);  | 75579-39-4; |          |      |                   |
|                                 | Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)   | 75579-40-7  |          |      |                   |
| 199                             | 2-methoxyethyl acetate   | 110-49-6    | ■        |      | 16 Jul 2019       |
| 200                             | 4-tert-butylphenol   | 98-54-4     | ■        |      | 16 Jul 2019       |
| 201                             | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP):                                      | -           |          |      | 16 Jul 2019       |
|                                 | Tris(nonylphenyl) phosphite;   | 26523-78-4; |          |      |                   |
|                                 | Phenol, 4-nonyl-, phosphite (3:1);   | 3050-88-2;  | ■        |      |                   |
|                                 | tris(4-nonylphenyl, branched) phosphite;   | -           |          |      |                   |
|                                 | Phenol, p-isononyl-, phosphite (3:1);  | 31631-13-7; |          |      |                   |
| Phenol, p-sec-nonyl-, phosphite | 106599-06-8  |             |          |      |                   |



This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 4 new substances that go into its products as of the date of 16<sup>th</sup> July 2019 disclosure of REACH compliance.

### **Amendment W**

On 16<sup>th</sup> January 2020, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 16<sup>th</sup> January 2020, these substances were formally added to the Candidate List, as per list below: -

| No.  | Substance Name   | CAS NO.      | Not Used | Used | Date of Inclusion |
|--|--|--------------|----------|------|-------------------|
| 202  | Perfluorobutane sulfonic acid (PFBS) and its salts:  | -            |          |      | 16 Jan 2020       |
|  | N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate;                       | 25628-08-4;  |          |      |                   |
|  | magnesium perfluorobutanesulfonate;  | 507453-86-3; |          |      |                   |
|  | lithium perfluorobutanesulfonate;  | 131651-65-5; |          |      |                   |
|  | morpholinium perfluorobutanesulfonate;   | 503155-89-3; |          |      |                   |
|  | 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid;   | 375-73-5;    |          |      |                   |
|  | Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate;  | 68259-10-9;  | ■        |      |                   |
|  | tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate;  | 220689-12-3; |          |      |                   |
|  | dimethyl(phenyl)sulfanium perfluorobutanesulfonate;  | 220133-51-7; |          |      |                   |
|  | 1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate; | -            |          |      |                   |
| Triphenylsulfanium perfluorobutane sulfonate;              | 144317-44-2;   |              |          |      |                   |
| Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate; | 29420-49-3;  |              |          |      |                   |
| bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate      | 194999-85-4  |              |          |      |                   |
| 203  | Diisohexyl phthalate   | 71850-09-4   | ■        |      | 16 Jan 2020       |
| 204  | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one   | 71868-10-5   | ■        |      | 16 Jan 2020       |
| 205  | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone  | 119313-12-1  | ■        |      | 16 Jan 2020       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 4 new substances that go into its products as of the date of 16<sup>th</sup> January 2020 disclosure of REACH compliance.

### **Amendment X**

On 25<sup>th</sup> June 2020, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 25<sup>th</sup> June 2020, these substances were formally added to the Candidate List, as per list below: -



| No. | Substance Name                          | CAS NO.    | Not Used | Used | Date of Inclusion |
|-----|---|------------|----------|------|-------------------|
| 206 | 1-vinylimidazole                        | 1072-63-5  | ■        |      | 25 Jun 2020       |
| 207 | 2-methylimidazole                       | 693-98-1   | ■        |      | 25 Jun 2020       |
| 208 | butyl 4-hydroxybenzoate                 | 94-26-8    | ■        |      | 25 Jun 2020       |
| 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin | 22673-19-4 | ■        |      | 25 Jun 2020       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 4 new substances that go into its products as of the date of 26<sup>th</sup> June 2020 disclosure of REACH compliance.

### **Amendment Y**

On 19<sup>th</sup> January 2021, the European Chemicals Agency (ECHA) announced 2 new substances identified as potential Substances of Very High Concern (SVHC). As of 19<sup>th</sup> January 2021, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name   | CAS NO.     | Not Used | Used | Date of Inclusion |
|-----|--|-------------|----------|------|-------------------|
| 210 | Diocetyl tin dilaurate Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety: | -           |          |      | 19 Jan 2021       |
|     | diocetyl tin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.;   | -           | ■        |      |                   |
|     | Stannane, dioctyl-, bis(coco acyloxy) derivs.;   | 91648-39-4; |          |      |                   |
|     | Diocetyl tin dilaurate   | 3648-18-8   |          |      |                   |
| 211 | Bis(2-(2-methoxyethoxy)ethyl)ether   | 143-24-8    | ■        |      | 19 Jan 2021       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 2 new substances that go into its products as of the date of 19<sup>th</sup> January 2021 disclosure of REACH compliance.

### **Amendment Z**

On 8<sup>th</sup> July 2021, the European Chemicals Agency (ECHA) announced 8 new substances identified as potential Substances of Very High Concern (SVHC). As of 8<sup>th</sup> July 2021, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name   | CAS NO.     | Not Used | Used | Date of Inclusion |
|-----|--|-------------|----------|------|-------------------|
| 212 | 1,4-dioxane  | 123-91-1    | ■        |      | 08 Jul 2021       |
| 213 | 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): | -           |          |      | 08 Jul 2021       |
|     | 2,2-bis(bromomethyl)propane-1,3-diol (BMP);  | 3296-90-0;  | ■        |      |                   |
|     | 2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA);  | 36483-57-5; |          |      |                   |
|     | 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA);   | 1522-92-5;  |          |      |                   |
|     | 2,3-dibromo-1-propanol (2,3-DBPA)  | 96-13-9     |          |      |                   |



|     |   |  |   |  |             |
|-----|---|--|---|--|-------------|
| 214 | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers:<br><br>(2R)-3-(4-tert-butylphenyl)-2-methylpropanal;<br><br>2-(4-tert-butylbenzyl)propionaldehyde;<br><br>(2S)-3-(4-tert-butylphenyl)-2-methylpropanal  | -<br><br>75166-31-3;<br><br>80-54-6;<br><br>75166-30-2   | ■ |  | 08 Jul 2021 |
| 215 | 4,4'-(1-methylpropylidene)bisphenol   | 77-40-7  | ■ |  | 08 Jul 2021 |
| 216 | Glutaral  | 111-30-8   | ■ |  | 08 Jul 2021 |
| 217 | Medium-chain chlorinated paraffins (MCCP)<br>UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17:<br><br>di-, tri- and tetrachlorotetradecane;<br><br>Alkanes, C14-17, chloro;<br><br>Tetradecane, chloro derivs.;<br><br>Alkanes, C14-16, chloro   | -<br><br>-<br><br>85535-85-9;<br><br>198840-65-2;<br><br>1372804-76-6  | ■ |  | 08 Jul 2021 |
| 218 | Orthoboric acid, sodium salt:<br><br>Boric acid, sodium salt;<br><br>Orthoboric acid, sodium salt;<br><br>boric acid (H3BO3), sodium salt, hydrate;<br><br>boric acid (H3BO3), sodium salt (1:1);<br><br>Boric acid (H3BO3), disodium salt;<br><br>Trisodium orthoborate  | -<br><br>1333-73-9;<br><br>13840-56-7;<br><br>25747-83-5;<br><br>14890-53-0;<br><br>22454-04-2;<br><br>14312-40-4    | ■ |  | 08 Jul 2021 |
| 219 | Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP):<br><br>4-isododecylphenol;<br><br>Phenol, tetrapropylene;<br><br>Phenol, 4-dodecyl, branched;<br><br>Phenol, (tetrapropenyl) derivatives;<br><br>Phenol, 4-isododecyl;<br><br>Phenol, dodecyl-, branched | -<br><br>27459-10-5;<br><br>57427-55-1;<br><br>210555-94-5;<br><br>74499-35-7;<br><br>27147-75-7;<br><br>121158-58-5 | ■ |  | 08 Jul 2021 |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 8 new substances that go into its products as of the date of 8<sup>th</sup> July 2021 disclosure of REACH compliance.



### Amendment A1

On 17<sup>th</sup> January 2022, the European Chemicals Agency (ECHA) announced 4 new substances identified as potential Substances of Very High Concern (SVHC). As of 17<sup>th</sup> January 2022, these substances were formally added to the Candidate List, as per list below: -

| No.  | Substance Name   | CAS NO.       | Not Used | Used | Date of Inclusion |
|--|--|---------------|----------|------|-------------------|
| 220  | (±)-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):          | -             |          |      | 17 Jan 2022       |
|  | (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one;   | 36861-47-9;   |          |      |                   |
|  | (3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one;  | 1782069-81-1; |          |      |                   |
|  | (1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one;  | 95342-41-9;   | ■        |      |                   |
|  | (1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one;  | 852541-30-1;  |          |      |                   |
|  | (1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one;  | 852541-21-0;  |          |      |                   |
|  | (1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one;   | 741687-98-9;  |          |      |                   |
| (1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one | 852541-25-4  |               |          |      |                   |
| 221  | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol   | 119-47-1      | ■        |      | 17 Jan 2022       |
| 222  | S-(tricyclo(5.2.1.0' <sup>2</sup> ,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 255881-94-8   | ■        |      | 17 Jan 2022       |
| 223  | tris(2-methoxyethoxy)vinylsilane   | 1067-53-4     | ■        |      | 17 Jan 2022       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 4 new substances that go into its products as of the date of 17<sup>th</sup> January 2022 disclosure of REACH compliance.

### Amendment B1

On 10<sup>th</sup> June 2022, the European Chemicals Agency (ECHA) announced 1 new substance identified as potential Substances of Very High Concern (SVHC). As of 10<sup>th</sup> June 2022, this substance was formally added to the Candidate List, as per list below: -

| No. | Substance Name              | CAS NO.  | Not Used | Used | Date of Inclusion |
|-----|-----------------------------|----------|----------|------|-------------------|
| 224 | N-(hydroxymethyl)acrylamide | 924-42-5 | ■        |      | 10 Jun 2022       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 1 new substance that go into its products as of the date of 10<sup>th</sup> June 2022 disclosure of REACH compliance.





### **Amendment C1**

On 17<sup>th</sup> January 2023, the European Chemicals Agency (ECHA) announced 9 new substances identified as potential Substances of Very High Concern (SVHC). As of 17<sup>th</sup> January 2023, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name  | CAS NO.  | Not Used | Used | Date of Inclusion |
|-----|---|--|----------|------|-------------------|
| 225 | reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine       | -  | ■        |      | 17 Jan 2023       |
| 226 | Perfluoroheptanoic acid and its salts:<br>Ammonium perfluoroheptanoate;<br>potassium perfluoroheptanoate;<br>Perfluoroheptanoic acid;<br>Sodium perfluoroheptanoate | -<br>6130-43-4<br>21049-36-5<br>375-85-9<br>20109-59-5 | ■        |      | 17 Jan 2023       |
| 227 | Melamine  | 108-78-1   | ■        |      | 17 Jan 2023       |
| 228 | Isobutyl 4-hydroxybenzoate  | 4247-02-3  | ■        |      | 17 Jan 2023       |
| 229 | bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof:<br>Bis(2-ethylhexyl) tetrabromophthalate                  | -<br>26040-51-7  | ■        |      | 17 Jan 2023       |
| 230 | Barium diboron tetraoxide   | 13701-59-2   | ■        |      | 17 Jan 2023       |
| 231 | 4,4'-sulphonyldiphenol  | 80-09-1  | ■        |      | 17 Jan 2023       |
| 232 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol  | 79-94-7  | ■        |      | 17 Jan 2023       |
| 233 | 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]  | 37853-59-1   | ■        |      | 17 Jan 2023       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 9 new substances that go into its products as of the date of 17<sup>th</sup> January 2023 disclosure of REACH compliance.

### **Amendment D1**

On 14<sup>th</sup> June 2023, the European Chemicals Agency (ECHA) announced 2 new substances identified as potential Substances of Very High Concern (SVHC). As of 14<sup>th</sup> June 2023, these substances were formally added to the Candidate List, as per list below: -

| No. | Substance Name                                  | CAS NO.    | Not Used | Used | Date of Inclusion |
|-----|---|------------|----------|------|-------------------|
| 234 | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 75980-60-8 | ■        |      | 14 Jun 2023       |
| 235 | Bis(4-chlorophenyl) sulphone                    | 80-07-9    | ■        |      | 14 Jun 2023       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 2 new substances that go into its products as of the date of 14<sup>th</sup> June 2023 disclosure of REACH compliance.

### **Amendment E1**


On 23<sup>rd</sup> January 2024, the European Chemicals Agency (ECHA) announced 5 new substances identified as potential Substances of Very High Concern (SVHC). As of 23<sup>rd</sup> January 2024, these substances were formally added to the Candidate List, as per list below: -



| No. | Substance Name  | CAS NO.         | Not Used | Used | Date of Inclusion |
|-----|---|-----------------|----------|------|-------------------|
| 236 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol:<br>Phenol, methylstyrenated | -<br>68512-30-1 | ■        |      | 23 Jan 2024       |
| 237 | Bumetrizole (UV-326)  | 3896-11-5       | ■        |      | 23 Jan 2024       |
| 238 | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one                        | 119344-86-4     | ■        |      | 23 Jan 2024       |
| 239 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)  | 3147-75-9       | ■        |      | 23 Jan 2024       |
| 240 | 2,4,6-tri-tert-butylphenol  | 732-26-3        | ■        |      | 23 Jan 2024       |

This updated status is based on COIL's understanding of REACH and COIL's knowledge of the 5 new substances that go into its products as of the date of 23<sup>rd</sup> January 2024 disclosure of REACH compliance.

For and on behalf of  
**COIL Limited**

|            |  |                                |                             |
|------------|--|--------------------------------|-----------------------------|
| Signature: |  | Hollie Evans • Quality Manager |                             |
|            |  | Revised:                       | 07 <sup>th</sup> March 2024 |