



DRIVING SURFACE PERFECTION

# PLAST X 5 COLOUR COAT AEROSOL - SIGNAL BLACK

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Product Reference code: according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
SDS Ref. (EU): PLAS5SB-SDS  
Issue date: 27/03/2015 Revision date: 22/02/2022 Supersedes version of: 17/08/2020 Version: 6.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : PLAST X 5 COLOUR COAT AEROSOL - SIGNAL BLACK  
UFI : 67Q0-E0FA-6001-D86E  
Product code : PLAS/5SB  
Vaporizer : aerosol  
Product group : aerosol

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Use of the substance/mixture : Coatings and paints, thinners, paint removers  
Function or use category : Topcoat

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

U-POL Limited Ltd  
Denington Road  
GB- NN8 2QH Wellingborough – Northamptonshire  
United Kingdom  
T +44 (0) 1933 230310  
[technicalsupport@u-pol.com](mailto:technicalsupport@u-pol.com) - [www.u-pol.com](http://www.u-pol.com)

##### Importer

U-POL Netherlands B.V. B.V.  
Hoorgoordreef 15  
NL- 1101BA Amsterdam  
Netherlands  
T +31 20 240 2216  
[technicalsupport@u-pol.com](mailto:technicalsupport@u-pol.com) - [www.u-pol.com](http://www.u-pol.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: +44 (0) 870 8200418 (24 hrs)

| Country        | Organisation/Company                                     | Address                                  | Emergency number   | Comment   |
|----------------|--|--|--|---|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |   |
| United Kingdom | NHS<br>England, Scotland & Wales                         | -  | Call 111 or a Doctor   | In Northern Ireland,<br>contact your local GP<br>or pharmacist during<br>normal hours<br>( <a href="http://www.gpoutofhours.hscni.net">www.gpoutofhours.hscni.net</a> ) |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1 H222;H229  
Serious eye damage/eye irritation, Category 2 H319

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Carcinogenicity, Category 2 H351  
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336  
Full text of H- and EUH-statements: see section 16

### Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. May cause drowsiness or dizziness. Causes serious eye irritation.

## 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02

GHS07

GHS08

Signal word (CLP) : Danger  
Contains : isobutyl methyl ketone, acetone  
Hazard statements (CLP) : H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.  
H351 - Suspected of causing cancer.  
Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, open flames, sparks. — No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Pressurized container: Do not pierce or burn, even after use.  
P261 - Avoid breathing spray, vapours, fume, mist.  
P280 - Wear eye protection, protective clothing, protective gloves.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.  
Unknown acute toxicity (CLP) - SDS : 0.66% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

## 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

| Component   |   |
|---|---|
| acetone (67-64-1)                                       | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Xylene (1330-20-7)                                      | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| 4-methylpentan-2-one; isobutyl methyl ketone (108-10-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| n-butyl acetate (123-86-4)                              | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| ethylbenzene (100-41-4)                                 | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

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| Component  |   |
|--|---|
| butyl glycoether (111-76-2)  | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ ] (13463-67-7) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name  | Product identifier  | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|---|---|-----------|--|
| acetone<br>substance with a Community workplace exposure limit                                      | CAS-No.: 67-64-1<br>EC-No.: 200-662-2<br>EC Index-No.: 606-001-00-8<br>REACH-no: 01-2119471330-49   | 25 – 50   | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336  |
| Xylene<br>substance with a Community workplace exposure limit (Note C)                              | CAS-No.: 1330-20-7<br>EC-No.: 215-535-7<br>EC Index-No.: 601-022-00-9<br>REACH-no: 01-2119488216-32 | 5 – 10    | Flam. Liq. 3, H226<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Asp. Tox. 1, H304 |
| 4-methylpentan-2-one; isobutyl methyl ketone<br>substance with a Community workplace exposure limit | CAS-No.: 108-10-1<br>EC-No.: 203-550-1<br>EC Index-No.: 606-004-00-4<br>REACH-no: 01-2119473980-30  | 3 – 5     | Flam. Liq. 2, H225<br>Acute Tox. 4 (Inhalation), H332<br>Eye Irrit. 2, H319<br>Carc. 2, H351<br>STOT SE 3, H336  |
| n-butyl acetate<br>substance with a Community workplace exposure limit                              | CAS-No.: 123-86-4<br>EC-No.: 204-658-1<br>EC Index-No.: 607-025-00-1<br>REACH-no: 01-2119485493-29  | 0.3 – 2.5 | Flam. Liq. 3, H226<br>STOT SE 3, H336  |
| reaction mass of ethylbenzene, m-xylene and p-xylene  | EC-No.: 905-562-9<br>REACH-no: 01-2119555267-33   | 1 – 2.5   | Flam. Liq. 3, H226<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Asp. Tox. 1, H304 |

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| Name  | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|---|--|---------|--|
| hydrocarbons, C9, aromatics   | CAS-No.: 64742-95-6<br>EC-No.: 918-668-5<br>REACH-no: 01-2119455851-35                               | 1 – 2.5 | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>STOT SE 3, H335<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                                 |
| ethylbenzene<br>substance with a Community workplace exposure limit   | CAS-No.: 100-41-4<br>EC-No.: 202-849-4<br>EC Index-No.: 601-023-00-4<br>REACH-no: 01-2119489370-35   | 1 – 2.5 | Flam. Liq. 2, H225<br>Acute Tox. 4 (Inhalation), H332<br>STOT RE 2, H373<br>Asp. Tox. 1, H304  |
| butyl glycoether<br>substance with a Community workplace exposure limit   | CAS-No.: 111-76-2<br>EC-No.: 203-905-0<br>EC Index-No.: 603-014-00-0<br>REACH-no: 01-2119475108-36   | 1 – 2.5 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ ] | CAS-No.: 13463-67-7<br>EC-No.: 236-675-5<br>EC Index-No.: 022-006-00-2<br>REACH-no: 01-2119489379-17 | 0.3 – 1 | Carc. 2, H351  |

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Call a poison center or a doctor if you feel unwell.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Wash skin with plenty of water.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.   |

### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects                    | : May cause drowsiness or dizziness.                    |
| Symptoms/effects after skin contact | : Repeated exposure may cause skin dryness or cracking. |
| Symptoms/effects after eye contact  | : Eye irritation.                                       |

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                              |  |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

### 5.2. Special hazards arising from the substance or mixture

|                  |   |
|------------------|---|
| Fire hazard      | : Extremely flammable aerosol.                |
| Explosion hazard | : Pressurised container: May burst if heated. |

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Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Protective equipment : Safety glasses. Protective clothing. Gloves.  
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapours, spray, fume. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain released product, collect/pump into suitable containers. Collect spillage.  
Methods for cleaning up : Mechanically recover the product.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing vapours, spray, fume. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
Storage temperature : < 25 °C  
Special rules on packaging : Keep only in original container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

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| <b>acetone (67-64-1)</b>                                  |   |
|---|---|
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |   |
| Local name  | Acetone   |
| IOEL TWA  | 1210 mg/m <sup>3</sup>  |
| IOEL TWA [ppm]  | 500 ppm   |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2000/39/EC   |
| <b>Ireland - Occupational Exposure Limits</b>             |   |
| Local name  | Acetone   |
| OEL TWA [1]   | 1210 mg/m <sup>3</sup>  |
| OEL TWA [2]   | 500 ppm   |
| Remark  | IOELV (Indicative Occupational Exposure Limit Values)   |
| Regulatory reference                                      | Chemical Agents Code of Practice 2020   |
| <b>Ireland - Biological limit values</b>                  |   |
| Local name  | Acetone   |
| BLV   | 50 mg/l Parameter: acetone - Medium: urine - Sampling time: End of shift - Notations: Ns (Non-specific) |
| Regulatory reference                                      | Biological Monitoring Guidelines (HSA, 2011)  |
| <b>United Kingdom - Occupational Exposure Limits</b>      |   |
| Local name  | Acetone   |
| WEL TWA (OEL TWA) [1]                                     | 1210 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]                                     | 500 ppm   |
| WEL STEL (OEL STEL)                                       | 3620 mg/m <sup>3</sup>  |
| WEL STEL (OEL STEL) [ppm]                                 | 1500 ppm  |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE   |
| <b>n-butyl acetate (123-86-4)</b>                         |   |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |   |
| Local name  | n-Butyl acetate   |
| IOEL TWA  | 241 mg/m <sup>3</sup>   |
| IOEL TWA [ppm]  | 50 ppm  |
| IOEL STEL   | 723 mg/m <sup>3</sup>   |
| IOEL STEL [ppm]   | 150 ppm   |
| Regulatory reference                                      | COMMISSION DIRECTIVE (EU) 2019/1831   |
| <b>Ireland - Occupational Exposure Limits</b>             |   |
| Local name  | Butyl acetate   |
| OEL TWA [1]   | 710 mg/m <sup>3</sup>   |
| OEL TWA [2]   | 150 ppm   |
| OEL STEL  | 950 mg/m <sup>3</sup>   |
| OEL STEL [ppm]  | 200 ppm   |
| Regulatory reference                                      | Chemical Agents Code of Practice 2020   |

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| <b>n-butyl acetate (123-86-4)</b>  |  |
|--|--|
| <b>United Kingdom - Occupational Exposure Limits</b>   |  |
| Local name   | Butyl acetate  |
| WEL TWA (OEL TWA) [1]  | 724 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]  | 150 ppm  |
| WEL STEL (OEL STEL)  | 966 mg/m <sup>3</sup>  |
| WEL STEL (OEL STEL) [ppm]  | 200 ppm  |
| Regulatory reference   | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)</b> |  |
| <b>Ireland - Occupational Exposure Limits</b>  |  |
| Local name   | Titanium dioxide   |
| OEL TWA [1]  | 10 mg/m <sup>3</sup> total inhalable dust<br>4 mg/m <sup>3</sup> respirable dust   |
| Regulatory reference   | Chemical Agents Code of Practice 2020  |
| <b>United Kingdom - Occupational Exposure Limits</b>   |  |
| Local name   | Titanium dioxide   |
| WEL TWA (OEL TWA) [1]  | 10 mg/m <sup>3</sup><br>4 mg/m <sup>3</sup>  |
| Regulatory reference   | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b>   |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b>  |  |
| Local name   | 4-Methylpentan-2-one   |
| IOEL TWA   | 83 mg/m <sup>3</sup>   |
| IOEL TWA [ppm]   | 20 ppm   |
| IOEL STEL  | 208 mg/m <sup>3</sup>  |
| IOEL STEL [ppm]  | 50 ppm   |
| Regulatory reference   | COMMISSION DIRECTIVE 2000/39/EC<br>COMMISSION DIRECTIVE 2000/39/EC   |
| <b>Ireland - Occupational Exposure Limits</b>  |  |
| Local name   | Methyl isobutyl ketone (MIBK) [Hexone, Isobutyl methyl keton, 4-Methylpentan-2-one]  |
| OEL TWA [1]  | 83 mg/m <sup>3</sup>   |
| OEL TWA [2]  | 20 ppm   |
| OEL STEL   | 208 mg/m <sup>3</sup>  |
| OEL STEL [ppm]   | 50 ppm   |
| Remark   | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values) |
| Regulatory reference   | Chemical Agents Code of Practice 2020  |
| <b>Ireland - Biological limit values</b>   |  |
| Local name   | Methyl isobutyl ketone (MIBK)/ 4-methylpentan-2-one  |
| BLV  | 1 mg/l Parameter: MIBK - Medium: urine - Sampling time: End of shift   |

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| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b> |  |
|--|--|
| Regulatory reference   | Biological Monitoring Guidelines (HSA, 2011)   |
| <b>United Kingdom - Occupational Exposure Limits</b>           |  |
| Local name   | 4-Methylpentan-2-one   |
| WEL TWA (OEL TWA) [1]  | 208 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]  | 50 ppm   |
| WEL STEL (OEL STEL)  | 416 mg/m <sup>3</sup>  |
| WEL STEL (OEL STEL) [ppm]                                      | 100 ppm  |
| Remark   | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)                              |
| Regulatory reference   | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>United Kingdom - Biological limit values</b>                |  |
| Local name   | 4-methylpentan-2-one   |
| BMGV   | 20 µmol/l Parameter: 4-methylpentan-2-one - Medium: urine - Sampling time: Post shift  |
| Regulatory reference   | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>butyl glycolether (111-76-2)</b>                            |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b>      |  |
| Local name   | 2-Butoxyethanol  |
| IOEL TWA   | 98 mg/m <sup>3</sup>   |
| IOEL TWA [ppm]   | 20 ppm   |
| IOEL STEL  | 246 mg/m <sup>3</sup>  |
| IOEL STEL [ppm]  | 50 ppm   |
| Remark   | Skin<br>Skin   |
| Regulatory reference   | COMMISSION DIRECTIVE 2000/39/EC<br>COMMISSION DIRECTIVE 2000/39/EC   |
| <b>Ireland - Occupational Exposure Limits</b>                  |  |
| Local name   | 2-Butoxyethanol (EGBE) [Ethylene glycol monobutyl ether]   |
| OEL TWA [1]  | 98 mg/m <sup>3</sup>   |
| OEL TWA [2]  | 20 ppm   |
| OEL STEL   | 246 mg/m <sup>3</sup>  |
| OEL STEL [ppm]   | 50 ppm   |
| Remark   | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values) |
| Regulatory reference   | Chemical Agents Code of Practice 2020  |
| <b>Ireland - Biological limit values</b>                       |  |
| Local name   | 2-Butoxyethanol  |
| BLV  | 200 mg/g creatinine Parameter: BAA - Medium: urine - Sampling time: End of shift   |
| Regulatory reference   | Biological Monitoring Guidelines (HSA, 2011)   |



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| <b>butyl glycoether (111-76-2)</b>                        |  |
|---|--|
| <b>United Kingdom - Occupational Exposure Limits</b>      |  |
| Local name  | 2-Butoxyethanol  |
| WEL TWA (OEL TWA) [1]                                     | 123 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]                                     | 25 ppm   |
| WEL STEL (OEL STEL)                                       | 246 mg/m <sup>3</sup>  |
| WEL STEL (OEL STEL) [ppm]                                 | 50 ppm   |
| Remark  | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)                              |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>United Kingdom - Biological limit values</b>           |  |
| Local name  | 2-Butoxyethanol  |
| BMGV  | 240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift   |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>Xylene (1330-20-7)</b>                                 |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |  |
| Local name  | Xylene, mixed isomers, pure  |
| IOEL TWA  | 221 mg/m <sup>3</sup>  |
| IOEL TWA [ppm]  | 50 ppm   |
| IOEL STEL   | 442 mg/m <sup>3</sup>  |
| IOEL STEL [ppm]   | 100 ppm  |
| Remark  | Skin   |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2000/39/EC  |
| <b>Ireland - Occupational Exposure Limits</b>             |  |
| Local name  | Xylene, mixed isomers  |
| OEL TWA [1]   | 221 mg/m <sup>3</sup>  |
| OEL TWA [2]   | 50 ppm   |
| OEL STEL  | 442 mg/m <sup>3</sup>  |
| OEL STEL [ppm]  | 100 ppm  |
| Remark  | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values) |
| Regulatory reference                                      | Chemical Agents Code of Practice 2020  |
| <b>Ireland - Biological limit values</b>                  |  |
| Local name  | Xylene   |
| BLV   | 1.5 g/g creatinine Parameter: methylhippuric acids - Medium: urine - Sampling time: End of Shift   |
| Regulatory reference                                      | Biological Monitoring Guidelines (HSA, 2011)   |
| <b>United Kingdom - Occupational Exposure Limits</b>      |  |
| Local name  | Xylene   |

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| <b>Xylene (1330-20-7)</b>                                 |   |
|---|---|
| WEL TWA (OEL TWA) [1]                                     | 220 mg/m <sup>3</sup>   |
| WEL TWA (OEL TWA) [2]                                     | 50 ppm  |
| WEL STEL (OEL STEL)                                       | 441 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]                                 | 100 ppm   |
| Remark  | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)   |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE   |
| <b>United Kingdom - Biological limit values</b>           |   |
| Local name  | Xylene, o-, m-, p- or mixed isomers   |
| BMGV  | 650 mmol/mol Creatinine Parameter: methyl hippuric acid - Medium: urine - Sampling time: Post shift   |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE   |
| <b>ethylbenzene (100-41-4)</b>                            |   |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |   |
| Local name  | Ethylbenzene  |
| IOEL TWA  | 442 mg/m <sup>3</sup>   |
| IOEL TWA [ppm]  | 100 ppm   |
| IOEL STEL   | 884 mg/m <sup>3</sup>   |
| IOEL STEL [ppm]   | 200 ppm   |
| Remark  | Skin  |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2000/39/EC   |
| <b>Ireland - Occupational Exposure Limits</b>             |   |
| Local name  | Ethylbenzene  |
| OEL TWA [1]   | 442 mg/m <sup>3</sup>   |
| OEL TWA [2]   | 100 ppm   |
| OEL STEL  | 884 mg/m <sup>3</sup>   |
| OEL STEL [ppm]  | 200 ppm   |
| Remark  | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)  |
| Regulatory reference                                      | Chemical Agents Code of Practice 2020   |
| <b>Ireland - Biological limit values</b>                  |   |
| Local name  | Ethyl benzene   |
| BLV   | 0.7 g/g creatinine Parameter: mandelic acid and phenylglyoxylic acid - Medium: urine - Sampling time: End of shift at end of workweek - Notations: Ns (Non-specific), Sq (Semi-quantitative)<br>Parameter: ethylbenzene - Medium: end-exhaled air - Sampling time: Not critical - Notations: Sq (Semi-quantitative) |
| Regulatory reference                                      | Biological Monitoring Guidelines (HSA, 2011)  |
| <b>United Kingdom - Occupational Exposure Limits</b>      |   |
| Local name  | Ethylbenzene  |
| WEL TWA (OEL TWA) [1]                                     | 441 mg/m <sup>3</sup>   |

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| <b>ethylbenzene (100-41-4)</b> |   |
|--------------------------------|---|
| WEL TWA (OEL TWA) [2]          | 100 ppm   |
| WEL STEL (OEL STEL)            | 552 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]      | 125 ppm   |
| Remark                         | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference           | EH40/2005 (Fourth edition, 2020). HSE   |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

| <b>acetone (67-64-1)</b>                          |                          |
|---|--------------------------|
| <b>DNEL/DMEL (Workers)</b>                        |                          |
| Acute - local effects, inhalation                 | 2420 mg/m <sup>3</sup>   |
| Long-term - systemic effects, dermal              | 186 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation          | 1210 mg/m <sup>3</sup>   |
| <b>DNEL/DMEL (General population)</b>             |                          |
| Long-term - systemic effects, oral                | 62 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation          | 200 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal              | 62 mg/kg bodyweight/day  |
| <b>PNEC (Water)</b>                               |                          |
| PNEC aqua (freshwater)                            | 10.6 mg/l                |
| PNEC aqua (marine water)                          | 1.06 mg/l                |
| PNEC aqua (intermittent, freshwater)              | 21 mg/l                  |
| <b>PNEC (Sediment)</b>                            |                          |
| PNEC sediment (freshwater)                        | 30.4 mg/kg dwt           |
| PNEC sediment (marine water)                      | 3.04 mg/kg dwt           |
| <b>PNEC (Soil)</b>                                |                          |
| PNEC soil   | 29.5 mg/kg dwt           |
| <b>PNEC (STP)</b>                                 |                          |
| PNEC sewage treatment plant                       | 100 mg/l                 |
| <b>2-methoxy-1-methylethyl acetate (108-65-6)</b> |                          |
| <b>DNEL/DMEL (Workers)</b>                        |                          |
| Acute - local effects, inhalation                 | 550 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal              | 796 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation          | 275 mg/m <sup>3</sup>    |
| <b>DNEL/DMEL (General population)</b>             |                          |
| Long-term - systemic effects, oral                | 36 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation          | 33 mg/m <sup>3</sup>     |

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| <b>2-methoxy-1-methylethyl acetate (108-65-6)</b>                    |                          |
|--|--------------------------|
| Long-term - systemic effects, dermal                                 | 320 mg/kg bodyweight/day |
| Long-term - local effects, inhalation                                | 33 mg/m <sup>3</sup>     |
| <b>PNEC (Water)</b>  |                          |
| PNEC aqua (freshwater)   | 0.635 mg/l               |
| PNEC aqua (marine water)   | 0.0635 mg/l              |
| PNEC aqua (intermittent, freshwater)                                 | 6.35 mg/l                |
| <b>PNEC (Sediment)</b>   |                          |
| PNEC sediment (freshwater)   | 3.29 mg/kg dwt           |
| PNEC sediment (marine water)   | 0.329 mg/kg dwt          |
| <b>PNEC (Soil)</b>   |                          |
| PNEC soil  | 0.29 mg/kg dwt           |
| <b>PNEC (STP)</b>  |                          |
| PNEC sewage treatment plant  | 100 mg/l                 |
| <b>phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)</b> |                          |
| <b>DNEL/DMEL (Workers)</b>   |                          |
| Long-term - systemic effects, inhalation                             | 2.92 mg/m <sup>3</sup>   |
| <b>DNEL/DMEL (General population)</b>                                |                          |
| Long-term - local effects, inhalation                                | 0.73 mg/m <sup>3</sup>   |
| <b>n-butyl acetate (123-86-4)</b>                                    |                          |
| <b>DNEL/DMEL (Workers)</b>   |                          |
| Acute - systemic effects, dermal                                     | 11 mg/kg bw/day          |
| Acute - systemic effects, inhalation                                 | 600 mg/m <sup>3</sup>    |
| Acute - local effects, inhalation                                    | 600 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal                                 | 11 mg/kg bw/day          |
| Long-term - systemic effects, inhalation                             | 300 mg/m <sup>3</sup>    |
| Long-term - local effects, inhalation                                | 300 mg/m <sup>3</sup>    |
| <b>DNEL/DMEL (General population)</b>                                |                          |
| Acute - systemic effects, dermal                                     | 6 mg/kg bw/day           |
| Acute - systemic effects, inhalation                                 | 300 mg/m <sup>3</sup>    |
| Acute - systemic effects, oral                                       | 2 mg/kg bw/day           |
| Acute - local effects, inhalation                                    | 300 mg/m <sup>3</sup>    |
| Long-term - systemic effects, oral                                   | 2 mg/kg bw/day           |
| Long-term - systemic effects, inhalation                             | 35.7 mg/m <sup>3</sup>   |
| Long-term - systemic effects, dermal                                 | 6 mg/kg bw/day           |
| Long-term - local effects, inhalation                                | 35.7 mg/m <sup>3</sup>   |
| <b>PNEC (Water)</b>  |                          |
| PNEC aqua (freshwater)   | 0.18 mg/l                |
| PNEC aqua (marine water)   | 0.018 mg/l               |

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| <b>n-butyl acetate (123-86-4)</b>                              |                           |
|--|---------------------------|
| PNEC aqua (intermittent, freshwater)                           | 0.36 mg/l                 |
| <b>PNEC (Sediment)</b>   |                           |
| PNEC sediment (freshwater)                                     | 0.981 mg/kg dwt           |
| PNEC sediment (marine water)                                   | 0.0981 mg/kg dwt          |
| <b>PNEC (Soil)</b>   |                           |
| PNEC soil  | 0.0903 mg/kg dwt          |
| <b>PNEC (STP)</b>  |                           |
| PNEC sewage treatment plant                                    | 35.6 mg/l                 |
| <b>toluene (108-88-3)</b>                                      |                           |
| <b>DNEL/DMEL (Workers)</b>                                     |                           |
| Acute - systemic effects, inhalation                           | 384 mg/m <sup>3</sup>     |
| Acute - local effects, inhalation                              | 384 mg/m <sup>3</sup>     |
| Long-term - systemic effects, dermal                           | 384 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation                       | 192 mg/m <sup>3</sup>     |
| Long-term - local effects, inhalation                          | 192 mg/m <sup>3</sup>     |
| <b>DNEL/DMEL (General population)</b>                          |                           |
| Acute - systemic effects, inhalation                           | 226 mg/m <sup>3</sup>     |
| Acute - local effects, inhalation                              | 226 mg/m <sup>3</sup>     |
| Long-term - systemic effects, oral                             | 8.13 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                       | 56.5 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal                           | 226 mg/kg bodyweight/day  |
| Long-term - local effects, inhalation                          | 56.5 mg/m <sup>3</sup>    |
| <b>PNEC (Water)</b>  |                           |
| PNEC aqua (freshwater)   | 0.68 mg/l                 |
| PNEC aqua (marine water)                                       | 0.68 mg/l                 |
| PNEC aqua (intermittent, freshwater)                           | 0.68 mg/l                 |
| <b>PNEC (Sediment)</b>   |                           |
| PNEC sediment (freshwater)                                     | 16.39 mg/kg dwt           |
| PNEC sediment (marine water)                                   | 16.39 mg/kg dwt           |
| <b>PNEC (Soil)</b>   |                           |
| PNEC soil  | 2.89 mg/kg dwt            |
| <b>PNEC (STP)</b>  |                           |
| PNEC sewage treatment plant                                    | 13.61 mg/l                |
| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b> |                           |
| <b>DNEL/DMEL (Workers)</b>                                     |                           |
| Acute - systemic effects, inhalation                           | 208 mg/m <sup>3</sup>     |
| Acute - local effects, inhalation                              | 208 mg/m <sup>3</sup>     |
| Long-term - systemic effects, dermal                           | 11.8 mg/kg bodyweight/day |

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| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b> |                           |
|--|---------------------------|
| Long-term - systemic effects, inhalation                       | 83 mg/m <sup>3</sup>      |
| Long-term - local effects, inhalation                          | 83 mg/m <sup>3</sup>      |
| <b>DNEL/DMEL (General population)</b>                          |                           |
| Acute - systemic effects, inhalation                           | 155.2 mg/m <sup>3</sup>   |
| Acute - local effects, inhalation                              | 155.2 mg/m <sup>3</sup>   |
| Long-term - systemic effects, oral                             | 4.2 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation                       | 14.7 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal                           | 4.2 mg/kg bodyweight/day  |
| Long-term - local effects, inhalation                          | 14.7 mg/m <sup>3</sup>    |
| <b>PNEC (Water)</b>  |                           |
| PNEC aqua (freshwater)   | 0.6 mg/l                  |
| PNEC aqua (marine water)                                       | 0.06 mg/l                 |
| PNEC aqua (intermittent, freshwater)                           | 1.5 mg/l                  |
| <b>PNEC (Sediment)</b>   |                           |
| PNEC sediment (freshwater)                                     | 8.27 mg/kg dwt            |
| PNEC sediment (marine water)                                   | 0.83 mg/kg dwt            |
| <b>PNEC (Soil)</b>   |                           |
| PNEC soil  | 1.3 mg/kg dwt             |
| <b>PNEC (STP)</b>  |                           |
| PNEC sewage treatment plant                                    | 27.5 mg/l                 |
| <b>butyl glycoether (111-76-2)</b>                             |                           |
| <b>DNEL/DMEL (Workers)</b>                                     |                           |
| Acute - systemic effects, dermal                               | 89 mg/kg bodyweight/day   |
| Acute - systemic effects, inhalation                           | 663 mg/m <sup>3</sup>     |
| Acute - local effects, inhalation                              | 246 mg/m <sup>3</sup>     |
| Long-term - systemic effects, dermal                           | 75 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation                       | 98 mg/m <sup>3</sup>      |
| <b>DNEL/DMEL (General population)</b>                          |                           |
| Acute - systemic effects, dermal                               | 89 mg/kg bodyweight/day   |
| Acute - systemic effects, inhalation                           | 426 mg/m <sup>3</sup>     |
| Acute - systemic effects, oral                                 | 26.7 mg/kg bodyweight/day |
| Acute - local effects, inhalation                              | 147 mg/m <sup>3</sup>     |
| Long-term - systemic effects, oral                             | 6.3 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation                       | 59 mg/m <sup>3</sup>      |
| Long-term - systemic effects, dermal                           | 75 mg/kg bodyweight/day   |
| <b>PNEC (Water)</b>  |                           |
| PNEC aqua (freshwater)   | 8.8 mg/l                  |
| PNEC aqua (marine water)                                       | 0.88 mg/l                 |
| PNEC aqua (intermittent, freshwater)                           | 9.1 mg/l                  |

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| <b>butyl glycoether (111-76-2)</b>       |                          |
|--|--------------------------|
| <b>PNEC (Sediment)</b>                   |                          |
| PNEC sediment (freshwater)               | 34.6 mg/kg dwt           |
| PNEC sediment (marine water)             | 3.46                     |
| <b>PNEC (Soil)</b>                       |                          |
| PNEC soil                                | 2.33 mg/kg dwt           |
| <b>PNEC (Oral)</b>                       |                          |
| PNEC oral (secondary poisoning)          | 0.02 g/kg food           |
| <b>PNEC (STP)</b>                        |                          |
| PNEC sewage treatment plant              | 463 mg/l                 |
| <b>Xylene (1330-20-7)</b>                |                          |
| <b>DNEL/DMEL (Workers)</b>               |                          |
| Acute - systemic effects, inhalation     | 289 mg/m <sup>3</sup>    |
| Acute - local effects, inhalation        | 289 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal     | 180 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 77 mg/m <sup>3</sup>     |
| Long-term - local effects, inhalation    | 77 mg/m <sup>3</sup>     |
| <b>DNEL/DMEL (General population)</b>    |                          |
| Acute - systemic effects, inhalation     | 174 mg/m <sup>3</sup>    |
| Acute - local effects, inhalation        | 174 mg/m <sup>3</sup>    |
| Long-term - systemic effects, oral       | 1.6 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 14.8 mg/m <sup>3</sup>   |
| Long-term - systemic effects, dermal     | 108 mg/kg bodyweight/day |
| Long-term - local effects, inhalation    | 65.3 mg/m <sup>3</sup>   |
| <b>PNEC (Water)</b>                      |                          |
| PNEC aqua (freshwater)                   | 0.327 mg/l               |
| PNEC aqua (marine water)                 | 0.327 mg/l               |
| PNEC aqua (intermittent, freshwater)     | 0.327 mg/l               |
| <b>PNEC (Sediment)</b>                   |                          |
| PNEC sediment (freshwater)               | 12.46 mg/kg dwt          |
| PNEC sediment (marine water)             | 12.46 mg/kg dwt          |
| <b>PNEC (Soil)</b>                       |                          |
| PNEC soil                                | 2.31 mg/kg dwt           |
| <b>PNEC (STP)</b>                        |                          |
| PNEC sewage treatment plant              | 6.58 mg/l                |
| <b>ethylbenzene (100-41-4)</b>           |                          |
| <b>DNEL/DMEL (Workers)</b>               |                          |
| Acute - local effects, inhalation        | 293 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal     | 180 mg/kg bodyweight/day |

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| ethylbenzene (100-41-4)                  |                          |
|--|--------------------------|
| Long-term - systemic effects, inhalation | 77 mg/m <sup>3</sup>     |
| DNEL/DMEL (General population)           |                          |
| Long-term - systemic effects, oral       | 1.6 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 15 mg/m <sup>3</sup>     |
| PNEC (Water)                             |                          |
| PNEC aqua (freshwater)                   | 0.1 mg/l                 |
| PNEC aqua (marine water)                 | 0.01 mg/l                |
| PNEC aqua (intermittent, freshwater)     | 0.1 mg/l                 |
| PNEC (Sediment)                          |                          |
| PNEC sediment (freshwater)               | 13.7 mg/kg dwt           |
| PNEC sediment (marine water)             | 1.37 mg/kg dwt           |
| PNEC (Soil)                              |                          |
| PNEC soil                                | 2.68 mg/kg dwt           |
| PNEC (Oral)                              |                          |
| PNEC oral (secondary poisoning)          | 0.02 g/kg food           |
| PNEC (STP)                               |                          |
| PNEC sewage treatment plant              | 9.6 mg/l                 |

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves. Protective clothing. Safety glasses.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

##### Other skin protection

##### Materials for protective clothing:

Impermeable clothing



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### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |   |
|---|---|
| Physical state                                  | : Liquid  |
| Colour  | : Black.  |
| Appearance                                      | : aerosol.  |
| Odour   | : Not available   |
| Odour threshold                                 | : Not available   |
| Melting point                                   | : Not available   |
| Freezing point                                  | : Not available   |
| Boiling point                                   | : Not available   |
| Flammability                                    | : Extremely flammable aerosol.                          |
| Explosive properties                            | : Pressurised container: May burst if heated.           |
| Explosive limits                                | : Not available   |
| Lower explosion limit                           | : Not available   |
| Upper explosion limit                           | : Not available   |
| Flash point                                     | : Not applicable  |
| Auto-ignition temperature                       | : Not available   |
| Decomposition temperature                       | : Not available   |
| pH  | : Not available   |
| Viscosity, kinematic                            | : Not available   |
| Solubility                                      | : insoluble in water. soluble in most organic solvents. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available   |
| Vapour pressure                                 | : Not available   |
| Vapour pressure at 50 °C                        | : Not available   |
| Density   | : 0.716 g/cm <sup>3</sup>                               |
| Relative density                                | : Not available   |
| Relative vapour density at 20 °C                | : Not available   |
| Particle size                                   | : Not applicable  |
| Particle size distribution                      | : Not applicable  |
| Particle shape                                  | : Not applicable  |
| Particle aspect ratio                           | : Not applicable  |
| Particle aggregation state                      | : Not applicable  |
| Particle agglomeration state                    | : Not applicable  |
| Particle specific surface area                  | : Not applicable  |
| Particle dustiness                              | : Not applicable  |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 86.2632190499967

#### 9.2.2. Other safety characteristics

Gas group : Press. Gas (Liq.)  
VOC content : 628 g/l

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| <b>acetone (67-64-1)</b>   |   |
|--|---|
| LD50 oral rat  | 5800 mg/kg bodyweight Animal: rat, Animal sex: female   |
| LD50 dermal rabbit   | > 15800 mg/kg bodyweight (24 h, Rabbit, Male, Weight of evidence, Dermal, 14 day(s))  |
| LC50 Inhalation - Rat  | 76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4  |
| <b>2-methoxy-1-methylethyl acetate (108-65-6)</b>                    |   |
| LD50 oral rat  | 6190 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))              |
| LD50 dermal rat  | > 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                    |
| LD50 dermal rabbit   | > 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat [ppm]  | 1728 ppm/4h (4 h, OECD Guideline 403 (Acute Inhalation Toxicity), rat, male/female, Inhalation, vapours)                        |
| <b>cellulose acetate butyrate (9004-36-8)</b>                        |   |
| LD50 oral rat  | > 3200 mg/kg  |
| LD50 dermal  | > 1000 mg/kg (Guinea pig)   |
| <b>phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)</b> |   |
| LD50 oral rat  | 301 mg/kg (OECD 423)  |
| LD50 dermal rabbit   | 2750 mg/kg  |

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| <b>solvent naphtha (petroleum), light aromatic (64742-95-6)</b>  |  |
|--|--|
| LD50 oral rat  | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)   |
| LD50 dermal rabbit   | > 3160 mg/kg (OECD Test Guideline 402)   |
| LC50 Inhalation - Rat (Vapours)  | > 6.193 mg/l/4h (4 h, OECD Test Guideline 403, vapours)  |
| <b>n-butyl acetate (123-86-4)</b>  |  |
| LD50 oral rat  | 10760 – 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s))  |
| LD50 dermal rabbit   | > 14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))   |
| LC50 Inhalation - Rat  | 23.4 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat)  |
| LC50 Inhalation - Rat [ppm]  | 390 ppm/4h   |
| LC50 Inhalation - Rat (Vapours)  | > 21 mg/l/4h (4 h, OECD Test Guideline 403, rat, vapours)  |
| <b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)</b> |  |
| LD50 oral rat  | > 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity) |
| LC50 Inhalation - Rat  | > 6.82 mg/l (Other, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s))  |
| <b>2-phenoxyethanol (122-99-6)</b>   |  |
| LD50 oral rat  | 1850 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))   |
| LD50 dermal rat  | 14391 mg/kg bodyweight Animal: rat   |
| LD50 dermal rabbit   | > 2214 mg/kg bodyweight Animal: rabbit, Guideline: other:Draft IRLG (Interagency Regulatory Liaison Group) Guidelines for Selected Acute Toxicity Tests (August, 1979)                   |
| LC50 Inhalation - Rat  | > 1 mg/l air Animal: rat, Guideline: other:OECD 412  |
| <b>toluene (108-88-3)</b>  |  |
| LD50 oral rat  | 5580 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EU Method B.1 (Acute Toxicity (Oral)), 95% CL: 5300 - 5910   |
| LD50 dermal rabbit   | > 5000 mg/kg bodyweight Animal: rabbit, Animal sex: male, 95% CL: 9,63 - 20,77   |
| LC50 Inhalation - Rat  | 25.7 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male, Experimental value, Inhalation (vapours))  |
| LC50 Inhalation - Rat (Vapours)  | 25.7 mg/l/4h (Equivalent or similar to OECD 403, 4 h, Rat, Male, Experimental value, Inhalation (vapours))   |
| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b>   |  |
| LD50 oral rat  | 2080 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1,91 - 2,27  |
| LD50 dermal rat  | ≥ 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))   |
| LC50 Inhalation - Rat (Vapours)  | 10 – 20 mg/l/4h  |
| <b>butyl glycoether (111-76-2)</b>   |  |
| LD50 oral rat  | 1746 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1322 - 2301  |
| LD50 oral  | 1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961   |

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| <b>butyl glycoether (111-76-2)</b>                                     |   |
|--|---|
| LD50 dermal rat  | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, Rat, Male / female, Experimental value, Dermal, 14 day(s))  |
| LC50 Inhalation - Rat  | > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))  |
| LC50 Inhalation - Rat [ppm]  | 450 ppm (Equivalent or similar to OECD 403, 4 h, Rat, Female, Experimental value)   |
| <b>bis(2-ethylhexyl) terephthalate (6422-86-2)</b>                     |   |
| LD50 oral rat  | > 5000 mg/kg bodyweight Animal: rat, Guideline: other:TSCA FHSA Regulations (1979): 16 CFR Part 1500.40 (Hazardous Substances and Articles, Administration and Enforcement Regulations)   |
| <b>C22-30 chlorinated paraffin (chlorination: 42-48%) (63449-39-8)</b> |   |
| LD50 oral rat  | > 11700 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 81-1 (Acute Oral Toxicity)   |
| LD50 oral  | > 23400 mg/kg bodyweight Animal: mouse, Guideline: EPA OPP 81-1 (Acute Oral Toxicity)   |
| LD50 dermal rabbit   | > 13900 mg/kg   |
| <b>Xylene (1330-20-7)</b>  |   |
| LD50 oral rat  | 3523 mg/kg bodyweight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value, Oral, 14 day(s))   |
| LD50 dermal rat  | 12126 mg/kg (Non-GLP, read-across from supporting substance, single dermal dose under occlusion followed by observation for 14 days)  |
| LD50 dermal rabbit   | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male   |
| LC50 Inhalation - Rat [ppm]  | 6700 ppm/4h (EU Method B.2 (Acute Toxicity (Inhalation)), 4h, rat, male)  |
| <b>hydrogen peroxide solution... % (7722-84-1)</b>                     |   |
| LD50 dermal rabbit   | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:US EPA Toxic Substance Health Effects Test Guidelines (PB82-232984, 1982), Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| <b>octamethylcyclotetrasiloxane (556-67-2)</b>                         |   |
| LD50 oral rat  | > 4800 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)  |
| LD50 dermal rat  | > 2400 mg/kg bodyweight (Equivalent or similar to OECD 402, Rat, Male / female, Experimental value, Dermal)   |
| LC50 Inhalation - Rat  | 36 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)  |
| <b>reaction mass of ethylbenzene, m-xylene and p-xylene</b>            |   |
| LD50 oral rat  | 3523 mg/kg (EU Method B.1 (Acute Toxicity (Oral), rat, male)  |
| LD50 dermal rabbit   | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male   |
| LC50 Inhalation - Rat [ppm]  | 6350 ppm/4h (4 h, EU Method B.2 (Acute Toxicity (Inhalation)), rat, male, Inhalation, vapours)  |
| <b>hydrocarbons, C9, aromatics (64742-95-6)</b>                        |   |
| LD50 oral rat  | 8400 ml/kg  |
| LD50 dermal rabbit   | 3160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/female)  |
| LC50 Inhalation - Rat [ppm]  | 3400 ppm/4h   |
| LC50 Inhalation - Rat (Vapours)  | > 5 mg/l/4h   |

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| <b>ethylbenzene (100-41-4)</b>   |  |
|--|--|
| LD50 oral rat  | 3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))   |
| LD50 dermal rabbit   | 15432 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal)  |
| LC50 Inhalation - Rat  | 17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))   |
| <b>silicon dioxide, amorphous (7631-86-9)</b>  |  |
| LD50 oral rat  | > 10000 mg/kg (Rat, Oral)  |
| LD50 dermal rabbit   | > 5000 mg/kg (Rabbit, Dermal)  |
| Unknown acute toxicity (CLP) - SDS   | : 0.66% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))  |
| Skin corrosion/irritation  | : Not classified   |
| Serious eye damage/irritation  | : Causes serious eye irritation.   |
| Respiratory or skin sensitisation  | : Not classified   |
| Germ cell mutagenicity   | : Not classified   |
| Carcinogenicity  | : Suspected of causing cancer.   |
| <b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)</b> |  |
| IARC group   | 2B - Possibly carcinogenic to humans   |
| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b>   |  |
| IARC group   | 2B - Possibly carcinogenic to humans   |
| <b>butyl glycoether (111-76-2)</b>   |  |
| IARC group   | 3 - Not classifiable   |
| <b>Xylene (1330-20-7)</b>  |  |
| IARC group   | 3 - Not classifiable   |
| <b>reaction mass of ethylbenzene, m-xylene and p-xylene</b>  |  |
| IARC group   | 2B - Possibly carcinogenic to humans   |
| <b>ethylbenzene (100-41-4)</b>   |  |
| IARC group   | 2B - Possibly carcinogenic to humans   |
| <b>C22-30 chlorinated paraffin (chlorination: 42-48%) (63449-39-8)</b>   |  |
| NOAEL (chronic, oral, animal/male, 2 years)  | > 3750 mg/kg bodyweight Animal: rat, Animal sex: male  |
| NOAEL (chronic, oral, animal/female, 2 years)  | 100 mg/kg bodyweight Animal: rat, Animal sex: female   |
| Reproductive toxicity  | : Not classified   |
| <b>acetone (67-64-1)</b>   |  |
| LOAEL (animal/female, F0/P)  | 11298 mg/kg bodyweight Animal: mouse, Animal sex: female   |
| NOAEL (animal/male, F0/P)  | 900 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)                                |
| <b>phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)</b>   |  |
| NOAEL (animal/male, F0/P)  | > 500  |
| <b>2-phenoxyethanol (122-99-6)</b>   |  |
| LOAEL (animal/male, F1)  | ≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP |

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| <b>2-phenoxyethanol (122-99-6)</b>                                   |  |
|--|--|
| LOAEL (animal/female, F1)  | ≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP           |
| NOAEL (animal/female, F0/P)  | ≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP           |
| <b>hydrocarbons, C9, aromatics (64742-95-6)</b>                      |  |
| NOAEL (animal/male, F0/P)  | 7500 mg/kg   |
| NOAEL (animal/female, F0/P)  | 7500 mg/kg   |
| STOT-single exposure   | : May cause drowsiness or dizziness.   |
| <b>acetone (67-64-1)</b>   |  |
| STOT-single exposure   | May cause drowsiness or dizziness.   |
| <b>solvent naphtha (petroleum), light aromatic (64742-95-6)</b>      |  |
| STOT-single exposure   | May cause drowsiness or dizziness. May cause respiratory irritation.   |
| <b>2-methoxypropyl acetate (70657-70-4)</b>                          |  |
| STOT-single exposure   | May cause respiratory irritation.  |
| <b>n-butyl acetate (123-86-4)</b>                                    |  |
| STOT-single exposure   | May cause drowsiness or dizziness.   |
| <b>toluene (108-88-3)</b>  |  |
| STOT-single exposure   | May cause drowsiness or dizziness.   |
| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b>       |  |
| STOT-single exposure   | May cause drowsiness or dizziness.   |
| <b>Xylene (1330-20-7)</b>  |  |
| STOT-single exposure   | May cause respiratory irritation.  |
| <b>reaction mass of ethylbenzene, m-xylene and p-xylene</b>          |  |
| STOT-single exposure   | May cause respiratory irritation.  |
| <b>hydrocarbons, C9, aromatics (64742-95-6)</b>                      |  |
| STOT-single exposure   | May cause drowsiness or dizziness. May cause respiratory irritation.   |
| STOT-repeated exposure   | : Not classified   |
| <b>2-methoxy-1-methylethyl acetate (108-65-6)</b>                    |  |
| NOAEL (oral, rat, 90 days)   | ≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| NOAEL (dermal, rat/rabbit, 90 days)                                  | > 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)   |
| <b>phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)</b> |  |
| NOAEL (oral, rat, 90 days)   | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)    |

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| <b>2-phenoxyethanol (122-99-6)</b>                             |   |
|--|---|
| LOAEL (oral, rat, 90 days)                                     | > 700 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |
| LOAEL (dermal, rat/rabbit, 90 days)                            | > 500 mg/kg bodyweight Animal: rabbit   |
| NOAEL (oral, rat, 90 days)                                     | 700 mg/kg bodyweight/day  |
| NOAEL (dermal, rat/rabbit, 90 days)                            | 500 mg/kg bodyweight Animal: rabbit   |
| NOAEC (inhalation, rat, dust/mist/fume, 90 days)               | 0.0482 mg/l/6h/day  |
| <b>toluene (108-88-3)</b>                                      |   |
| LOAEL (oral, rat, 90 days)                                     | 1250 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)  |
| NOAEL (oral, rat, 90 days)                                     | 625 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)   |
| NOAEC (inhalation, rat, vapour, 90 days)                       | 2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)  |
| STOT-repeated exposure   | May cause damage to organs through prolonged or repeated exposure.  |
| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b> |   |
| LOAEL (oral, rat, 90 days)                                     | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)  |
| NOAEL (oral, rat, 90 days)                                     | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)   |
| NOAEC (inhalation, rat, vapour, 90 days)                       | 4.106 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)  |
| <b>butyl glycoether (111-76-2)</b>                             |   |
| NOAEL (dermal, rat/rabbit, 90 days)                            | > 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)   |
| <b>Xylene (1330-20-7)</b>                                      |   |
| LOAEL (oral, rat, 90 days)                                     | 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)   |
| STOT-repeated exposure   | May cause damage to organs through prolonged or repeated exposure.  |
| <b>reaction mass of ethylbenzene, m-xylene and p-xylene</b>    |   |
| LOAEL (oral, rat, 90 days)                                     | 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)   |
| NOAEL (oral, rat, 90 days)                                     | 150 mg/kg bodyweight/day ( OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), female)  |
| STOT-repeated exposure   | May cause damage to organs through prolonged or repeated exposure.  |
| <b>hydrocarbons, C9, aromatics (64742-95-6)</b>                |   |
| NOAEL (oral, rat, 90 days)                                     | 600 mg/kg bodyweight/day  |
| NOAEC (inhalation, rat, vapour, 90 days)                       | 900 – 1800 mg/m <sup>3</sup>  |

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| ethylbenzene (100-41-4)    |  |
|----------------------------|--|
| NOAEL (oral, rat, 90 days) | 75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| STOT-repeated exposure     | May cause damage to organs (hearing sense) through prolonged or repeated exposure.                             |

Aspiration hazard : Not classified

| PLAST X 5 COLOUR COAT AEROSOL - SIGNAL BLACK |         |
|--|---------|
| Vaporizer                                    | aerosol |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| acetone (67-64-1) |   |
|-------------------|---|
| LC50 - Fish [1]   | 6210 – 8120 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Measured concentration) |
| LOEC (chronic)    | > 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |
| NOEC (chronic)    | ≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |

| n-butyl acetate (123-86-4) |  |
|----------------------------|--|
| LC50 - Fish [1]            | 18 mg/l Test organisms (species): Pimephales promelas  |
| LC50 - Fish [2]            | 62 mg/l (Leuciscus idus, static system)  |
| EC50 - Crustacea [1]       | 44 mg/l Test organisms (species): Daphnia sp.  |
| ErC50 algae                | 397 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP) |
| NOEC (chronic)             | 23 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |
| NOEC chronic crustacea     | 23 mg/l  |

| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) |  |
|---|--|
| LC50 - Fish [1]   | 155 mg/l Test organisms (species): other:Japanese Medaka   |
| EC50 - Crustacea [1]  | 19.3 mg/l Test organisms (species): Daphnia magna  |
| EC50 - Crustacea [2]  | 27.8 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]  | > 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| ErC50 algae   | 61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)   |
| NOEC (chronic)  | ≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |

| 4-methylpentan-2-one; isobutyl methyl ketone (108-10-1) |   |
|---|---|
| LC50 - Fish [1]   | > 179 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |



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| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b> |  |
|--|--|
| EC50 - Crustacea [1]   | > 200 mg/l Test organisms (species): Daphnia magna   |
| <b>butyl glycoether (111-76-2)</b>                             |  |
| LC50 - Fish [1]  | 1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)   |
| EC50 - Crustacea [1]   | ≈ 1800 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [2]   | 1840 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)                        |
| ErC50 algae  | 1840 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration) |
| NOEC (chronic)   | 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |
| NOEC chronic fish  | > 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '21 d'   |
| <b>Xylene (1330-20-7)</b>                                      |  |
| LC50 - Fish [1]  | 2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)  |
| EC50 - Crustacea [1]   | > 3.4 mg/l Test organisms (species): Ceriodaphnia dubia  |
| EC50 72h - Algae [1]   | 2.2 mg/l   |
| ErC50 algae  | 4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)                   |
| NOEC chronic fish  | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'   |
| <b>reaction mass of ethylbenzene, m-xylene and p-xylene</b>    |  |
| LC50 - Fish [1]  | 2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)  |
| EC50 - Crustacea [1]   | > 3.4 mg/l Test organisms (species): Ceriodaphnia dubia  |
| EC50 72h - Algae [1]   | 1.3 mg/l   |
| NOEC chronic fish  | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'   |
| <b>hydrocarbons, C9, aromatics (64742-95-6)</b>                |  |
| LC50 - Fish [1]  | 9.22 mg/l (Oncorhynchus mykiss)  |
| EC50 - Crustacea [1]   | 6.14 mg/l 48 h, Daphnia magna  |
| ErC50 algae  | 2.9 mg/l   |
| <b>ethylbenzene (100-41-4)</b>                                 |  |
| LC50 - Fish [1]  | 5.1 mg/l Test organisms (species): Menidia menidia   |
| EC50 - Crustacea [1]   | 1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)   |
| EC50 72h - Algae [1]   | 4.9 mg/l Test organisms (species): Skeletonema costatum  |
| EC50 72h - Algae [2]   | 5.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)                         |
| EC50 96h - Algae [1]   | 7.7 mg/l Test organisms (species): Skeletonema costatum  |
| EC50 96h - Algae [2]   | 3.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)                         |

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| <b>ethylbenzene (100-41-4)</b> |  |
|--------------------------------|--|
| LOEC (chronic)                 | 1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'  |
| NOEC (chronic)                 | 0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d' |

### 12.2. Persistence and degradability

| <b>acetone (67-64-1)</b>        |  |
|---------------------------------|--|
| Persistence and degradability   | Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1.43 g O <sub>2</sub> /g substance   |
| Chemical oxygen demand (COD)    | 1.92 g O <sub>2</sub> /g substance   |
| ThOD                            | 2.2 g O <sub>2</sub> /g substance  |

| <b>n-butyl acetate (123-86-4)</b> |                                    |
|-----------------------------------|------------------------------------|
| Persistence and degradability     | Readily biodegradable in water.    |
| ThOD                              | 2.21 g O <sub>2</sub> /g substance |
| BOD (% of ThOD)                   | 0.46                               |

| <b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)</b> |                                   |
|--|-----------------------------------|
| Persistence and degradability  | Biodegradability: not applicable. |
| Chemical oxygen demand (COD)   | Not applicable (inorganic)        |
| ThOD   | Not applicable (inorganic)        |

| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b> |  |
|--|--|
| Persistence and degradability                                  | Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD)                                | 2.06 g O <sub>2</sub> /g substance   |
| Chemical oxygen demand (COD)                                   | 2.16 g O <sub>2</sub> /g substance   |
| ThOD   | 2.72 g O <sub>2</sub> /g substance   |

| <b>butyl glycoether (111-76-2)</b> |                                 |
|------------------------------------|---------------------------------|
| Persistence and degradability      | Readily biodegradable in water. |

| <b>Xylene (1330-20-7)</b>     |  |
|-------------------------------|--|
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |

| <b>hydrocarbons, C9, aromatics (64742-95-6)</b> |                                 |
|---|---------------------------------|
| Persistence and degradability                   | Readily biodegradable in water. |

| <b>ethylbenzene (100-41-4)</b>  |  |
|---------------------------------|--|
| Persistence and degradability   | Biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1.44 g O <sub>2</sub> /g substance                         |
| Chemical oxygen demand (COD)    | 2.1 g O <sub>2</sub> /g substance                          |
| ThOD                            | 3.17 g O <sub>2</sub> /g substance                         |

### 12.3. Bioaccumulative potential

| <b>acetone (67-64-1)</b>                        |                   |
|---|-------------------|
| Partition coefficient n-octanol/water (Log Pow) | -0.23 (Test data) |

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| <b>acetone (67-64-1)</b>   |   |
|--|---|
| Bioaccumulative potential  | Not bioaccumulative.  |
| <b>n-butyl acetate (123-86-4)</b>  |   |
| Partition coefficient n-octanol/water (Log Pow)  | 2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Bioaccumulative potential  | Low potential for bioaccumulation (Log Kow < 4).  |
| <b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)</b> |   |
| Bioaccumulative potential  | Not bioaccumulative.  |
| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b>   |   |
| Partition coefficient n-octanol/water (Log Pow)  | 1.9 (Experimental value, Equivalent or similar to OECD 117, 20 °C)                              |
| Bioaccumulative potential  | Low potential for bioaccumulation (Log Kow < 4).  |
| <b>butyl glycoether (111-76-2)</b>   |   |
| Partition coefficient n-octanol/water (Log Pow)  | 0.81 (Experimental value, BASF test, 25 °C)   |
| Bioaccumulative potential  | Low potential for bioaccumulation (Log Kow < 4).  |
| <b>Xylene (1330-20-7)</b>  |   |
| BCF - Fish [1]   | 7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across)      |
| Partition coefficient n-octanol/water (Log Pow)  | 3.2 (Read-across, 20 °C)  |
| Bioaccumulative potential  | Low potential for bioaccumulation (BCF < 500).  |
| <b>ethylbenzene (100-41-4)</b>   |   |
| BCF - Fish [1]   | 1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)        |
| Partition coefficient n-octanol/water (Log Pow)  | 3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)                           |
| Bioaccumulative potential  | Low potential for bioaccumulation (BCF < 500).  |
| <b>12.4. Mobility in soil</b>  |   |
| <b>acetone (67-64-1)</b>   |   |
| Surface tension  | 23300 mN/m (20 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)   | 0.374 – 0.988 (log Koc, SRC PCKOCWIN v2.0, Calculated value)                                    |
| Ecology - soil   | Highly mobile in soil.  |
| <b>n-butyl acetate (123-86-4)</b>  |   |
| Surface tension  | 61.3 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions)                        |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)   | 1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)                                    |
| Ecology - soil   | Highly mobile in soil.  |
| <b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)</b> |   |
| Ecology - soil   | Low potential for mobility in soil.   |
| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b>   |   |
| Surface tension  | No data available in the literature   |

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| <b>4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)</b> |   |
|--|---|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)     | 2.008 (log Koc, Weight of evidence, Calculated value)   |
| Ecology - soil   | Low potential for adsorption in soil.   |
| <b>butyl glycoether (111-76-2)</b>                             |   |
| Surface tension  | 65.03 mN/m (20 °C, 2 g/l)   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)     | 0.451 – 0.882 (log Koc, SRC PCKOCWIN v2.0, Calculated value)  |
| Ecology - soil   | Highly mobile in soil.  |
| <b>Xylene (1330-20-7)</b>                                      |   |
| Surface tension  | 28.01 – 29.76 mN/m (25 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)     | 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)                                      |
| Ecology - soil   | Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. |
| <b>ethylbenzene (100-41-4)</b>                                 |   |
| Surface tension  | 71.2 mN/m (23 °C, 0.058 g/l, EU Method A.5: Surface tension)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)     | 2.71 (log Koc, PCKOCWIN v1.66, QSAR)  |
| Ecology - soil   | Low potential for adsorption in soil. Toxic to soil organisms.                                      |

### 12.5. Results of PBT and vPvB assessment

| <b>Component</b>  |   |
|---|---|
| acetone (67-64-1)   | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Xylene (1330-20-7)  | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| 4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)   | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| n-butyl acetate (123-86-4)  | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| ethylbenzene (100-41-4)   | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| butyl glycoether (111-76-2)   | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

#### 14.1. UN number or ID number

UN-No. (ADR) : UN 1950  
UN-No. (IMDG) : UN 1950  
UN-No. (IATA) : UN 1950  
UN-No. (ADN) : UN 1950  
UN-No. (RID) : UN 1950

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS  
Proper Shipping Name (IMDG) : AEROSOLS  
Proper Shipping Name (IATA) : Aerosols, flammable  
Proper Shipping Name (ADN) : AEROSOLS  
Proper Shipping Name (RID) : AEROSOLS  
Transport document description (ADR) : UN 1950 AEROSOLS, 2.1, (D)  
Transport document description (IMDG) : UN 1950 AEROSOLS, 2.1  
Transport document description (IATA) : UN 1950 Aerosols, flammable, 2.1  
Transport document description (ADN) : UN 1950 AEROSOLS, 2.1  
Transport document description (RID) : UN 1950 AEROSOLS, 2.1

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR) : 2.1  
Danger labels (ADR) : 2.1



##### IMDG

Transport hazard class(es) (IMDG) : 2.1  
Danger labels (IMDG) : 2.1



##### IATA

Transport hazard class(es) (IATA) : 2.1  
Danger labels (IATA) : 2.1



##### ADN

Transport hazard class(es) (ADN) : 2.1  
Danger labels (ADN) : 2.1

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### RID

Transport hazard class(es) (RID) : 2.1  
Danger labels (RID) : 2.1



### 14.4. Packing group

Packing group (ADR) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable  
Packing group (ADN) : Not applicable  
Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : 5F  
Special provisions (ADR) : 190, 327, 344, 625  
Limited quantities (ADR) : 1I  
Excepted quantities (ADR) : E0  
Packing instructions (ADR) : P207  
Special packing provisions (ADR) : PP87, RR6, L2  
Mixed packing provisions (ADR) : MP9  
Transport category (ADR) : 2  
Special provisions for carriage - Packages (ADR) : V14  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12  
Special provisions for carriage - Operation (ADR) : S2  
Tunnel restriction code (ADR) : D

#### Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959  
Packing instructions (IMDG) : P207, LP200  
Special packing provisions (IMDG) : PP87, L2  
EmS-No. (Fire) : F-D  
EmS-No. (Spillage) : S-U  
Stowage category (IMDG) : None  
Stowage and handling (IMDG) : SW1, SW22  
Segregation (IMDG) : SG69

#### Air transport

PCA Excepted quantities (IATA) : E0  
PCA Limited quantities (IATA) : Y203  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 203  
PCA max net quantity (IATA) : 75kg  
CAO packing instructions (IATA) : 203  
CAO max net quantity (IATA) : 150kg

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Special provisions (IATA) : A145, A167, A802  
ERG code (IATA) : 10L

### Inland waterway transport

Classification code (ADN) : 5F  
Special provisions (ADN) : 190, 327, 344, 625  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E0  
Equipment required (ADN) : PP, EX, A  
Ventilation (ADN) : VE01, VE04  
Number of blue cones/lights (ADN) : 1

### Rail transport

Classification code (RID) : 5F  
Special provisions (RID) : 190, 327, 344, 625  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E0  
Packing instructions (RID) : P207, LP200  
Special packing provisions (RID) : PP87, RR6, L2  
Mixed packing provisions (RID) : MP9  
Transport category (RID) : 2  
Special provisions for carriage – Packages (RID) : W14  
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12  
Colis express (express parcels) (RID) : CE2  
Hazard identification number (RID) : 23

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

| EU restriction list (REACH Annex XVII) |  |   |
|--|--|---|
| Reference code                         | Applicable on  | Entry title or description  |
| 3(a)                                   | PLAST X 5 COLOUR COAT AEROSOL - SIGNAL BLACK ; Xylene ; ethylbenzene ; n-butyl acetate ; isobutyl methyl ketone ; reaction mass of ethylbenzene, m-xylene and p-xylene ; hydrocarbons, C9, aromatics ; acetone                     | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F          |
| 3(b)                                   | PLAST X 5 COLOUR COAT AEROSOL - SIGNAL BLACK ; Xylene ; ethylbenzene ; n-butyl acetate ; isobutyl methyl ketone ; reaction mass of ethylbenzene, m-xylene and p-xylene ; hydrocarbons, C9, aromatics ; butyl glycolether ; acetone | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |

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| EU restriction list (REACH Annex XVII) |   |  |
|--|---|--|
| Reference code                         | Applicable on   | Entry title or description   |
| 3(c)                                   | hydrocarbons, C9, aromatics   | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1  |
| 40.                                    | Xylene ; ethylbenzene ; n-butyl acetate ; isobutyl methyl ketone ; reaction mass of ethylbenzene, m-xylene and p-xylene ; hydrocarbons, C9, aromatics ; acetone | Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. |

Contains no substance on the REACH candidate list  $\geq 0,1$  % / SCL

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

### ANNEX II REPORTABLE EXPLOSIVES PRECURSORS

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

| Name    | CAS-No. | Combined Nomenclature code (CN) | Combined Nomenclature code for mixture without constituents which would determine classification under another CN code |
|---------|---------|---------------------------------|--|
| Acetone | 67-64-1 | 2914 11 00                      | ex 3824 99 92  |

Please see [https://ec.europa.eu/home-affairs/sites/default/files/what-we-do/policies/crisis-and-terrorism/explosives/explosives-precursors/docs/list\\_of\\_competent\\_authorities\\_and\\_national\\_contact\\_points\\_en.pdf](https://ec.europa.eu/home-affairs/sites/default/files/what-we-do/policies/crisis-and-terrorism/explosives/explosives-precursors/docs/list_of_competent_authorities_and_national_contact_points_en.pdf)

VOC content : 628 g/l

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BLV                         | Biological limit value  |
| CAS-No.                     | Chemical Abstract Service number  |
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC50                        | Median effective concentration  |



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| Abbreviations and acronyms: |   |
|-----------------------------|---|
| EC-No.                      | European Community number   |
| EN                          | European Standard   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |
| OEL                         | Occupational Exposure Limit   |
| PBT                         | Persistent Bioaccumulative Toxic  |
| PNEC                        | Predicted No-Effect Concentration   |
| REACH                       | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS                         | Safety Data Sheet   |
| vPvB                        | Very Persistent and Very Bioaccumulative  |
| WGK                         | Water Hazard Class  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4                               |
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4                               |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |
| Aerosol 1                           | Aerosol, Category 1   |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| Carc. 2                             | Carcinogenicity, Category 2                                       |
| EUH066                              | Repeated exposure may cause skin dryness or cracking.             |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Flam. Liq. 2                        | Flammable liquids, Category 2                                     |
| Flam. Liq. 3                        | Flammable liquids, Category 3                                     |
| H222                                | Extremely flammable aerosol.                                      |
| H225                                | Highly flammable liquid and vapour.                               |
| H226                                | Flammable liquid and vapour.                                      |
| H229                                | Pressurised container: May burst if heated.                       |
| H302                                | Harmful if swallowed.   |
| H304                                | May be fatal if swallowed and enters airways.                     |
| H312                                | Harmful in contact with skin.                                     |
| H315                                | Causes skin irritation.   |

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| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| H319                                | Causes serious eye irritation.   |
| H332                                | Harmful if inhaled.  |
| H335                                | May cause respiratory irritation.                                      |
| H336                                | May cause drowsiness or dizziness.                                     |
| H351                                | Suspected of causing cancer.   |
| H373                                | May cause damage to organs through prolonged or repeated exposure.     |
| H411                                | Toxic to aquatic life with long lasting effects.                       |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                                  |
| STOT RE 2                           | Specific target organ toxicity — Repeated exposure, Category 2         |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Narcosis |

For professional use only.

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