

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Name : Acrylic Clearcoat  
Trade name : KLAR 565-00

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Use of the substance/mixture : The product is intended for professional use

**1.2.2. Uses advised against**

No additional information available

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

NOVOL Sp. z o.o.  
Żabikowska 7/9  
62-052 KOMORNIKI  
Poland

T 0048618109800 - F 0048618109809

[www.novol.com](http://www.novol.com)

E-mail address of competent person responsible for the SDS : [dokumentacja@novol.com](mailto:dokumentacja@novol.com)

**1.4. Emergency telephone number**

Emergency number : 112

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

|  |      |
|--|------|
| Flammable liquids, Category 2  | H225 |
| Serious eye damage/eye irritation, Category 2                          | H319 |
| Skin sensitisation, Category 1   | H317 |
| Carcinogenicity, Category 2  | H351 |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | H336 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 3      | H412 |

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

**Adverse physicochemical, human health and environmental effects**

No additional information available

**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

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.

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|                                |  |
|--------------------------------|--|
| Precautionary statements (CLP) | H351 - Suspected of causing cancer.<br>H412 - Harmful to aquatic life with long lasting effects.<br>: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.<br>No smoking.<br>P261 - Avoid breathing vapours, spray.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P280 - Wear protective gloves, protective clothing, eye protection, face protection.<br>P312 - Call doctor if you feel unwell. |
| EUH-statements                 | : EUH066 - Repeated exposure may cause skin dryness or cracking.   |

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH 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 at a concentration equal to or greater than 0,1 %

## 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]   |
|--|---|---------|---|
| n-butyl acetate<br>substance with national workplace exposure limit(s) (GB); 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                            | 20 – 30 | Flam. Liq. 3, H226<br>STOT SE 3, H336   |
| heptan-2-one; methyl amyl ketone<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit  | CAS-No.: 110-43-0<br>EC-No.: 203-767-1<br>EC Index-No.: 606-024-00-3<br>REACH-no: 01-2119902391-49                            | 5 – 13  | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332                              |
| isobutyl methyl ketone<br>substance with national workplace exposure limit(s) (GB); 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                            | 5 – 10  | Flam. Liq. 2, H225<br>Acute Tox. 4 (Inhalation), H332<br>Eye Irrit. 2, H319<br>Carc. 2, H351<br>STOT SE 3, H336 |
| Hydrocarbons, C9, aromatics  | EC-No.: 918-668-5<br>REACH-no: 01-2119455851-35   | < 3     | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>STOT SE 3, H335<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411        |
| reaction mass of $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene) and $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) | CAS-No.: 104810-48-2+104810-47-1+ 25322-68-3<br>EC-No.: 400-830-7<br>EC Index-No.: 607-176-00-3<br>REACH-no: 01-2119472279-28 | < 1.6   | Skin Sens. 1, H317<br>Aquatic Chronic 2, H411   |

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| Name   | Product identifier  | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|--|---|--------|--|
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | CAS-No.: 1065336-91-5<br>EC-No.: 915-687-0<br>REACH-no: 01-2119491304-40                          | < 0.9  | Skin Sens. 1A, H317<br>Repr. 2, H361f<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)]stannane  | CAS-No.: 77-58-7<br>EC-No.: 201-039-8<br>EC Index-No.: 050-030-00-3<br>REACH-no: 01-2119496068-27 | < 0.29 | Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Muta. 2, H341<br>Repr. 1B, H360FD<br>STOT SE 1, H370<br>STOT RE 1, H372<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

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            | : General information. Refer to section 11.   |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.   |
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. If skin irritation continues, consult a doctor. |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.                            |
| First-aid measures after ingestion    | : If swallowed: rinse mouth. Do NOT induce vomiting. Call a physician immediately.  |

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

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after inhalation   | : Vapours may cause drowsiness and dizziness.                 |
| Symptoms/effects after skin contact | : Prolonged or repeated contact may cause skin to become dry. |
| Symptoms/effects after eye contact  | : May cause 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   | : Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or waterspray. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                                      |

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

|  |                                       |
|--|---------------------------------------|
| Hazardous decomposition products in case of fire | : Carbon monoxide. Other toxic gases. |
|--|---------------------------------------|

#### 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. |
|--------------------------------|--|

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### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Protective equipment : Remove ignition sources. Ensure that there is a suitable ventilation system. Avoid any direct or indirect contact with ingredients released. Avoid contact with skin and eyes. Use personal protective equipment as required. See Section 8.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. See Section 8.

#### 6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter into surface water or drains. Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

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

For containment : Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Mechanically recover the product.

#### 6.4. Reference to other sections

Disposal considerations. See Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

#### 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

| n-butyl acetate (123-86-4)                         |                                     |
|--|-------------------------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) |                                     |
| Local name   | n-Butyl acetate                     |
| 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 |

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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>heptan-2-one; methyl amyl ketone (110-43-0)</b>        |   |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |   |
| Local name  | Heptan-2-one  |
| IOEL TWA [ppm]  | 50 ppm  |
| IOEL STEL   | 475 mg/m <sup>3</sup>   |
| IOEL STEL [ppm]   | 100 ppm   |
| Remark  | Skin  |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2000/39/EC   |
| <b>United Kingdom - Occupational Exposure Limits</b>      |   |
| Local name  | Heptan-2-one  |
| WEL TWA (OEL TWA) [1]                                     | 237 mg/m <sup>3</sup>   |
| WEL TWA (OEL TWA) [2]                                     | 50 ppm  |
| WEL STEL (OEL STEL)                                       | 475 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>isobutyl methyl ketone (108-10-1)</b>                  |   |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |   |
| Local name  | 4-Methylpentan-2-one  |
| 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   |
| <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) |

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| <b>isobutyl methyl ketone (108-10-1)</b>        |   |
|---|---|
| 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   |

### 8.1.2. Recommended monitoring procedures

| <b>Monitoring methods</b> |   |
|---------------------------|---|
| Monitoring methods        | EN 482. Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents. |

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

| <b>n-butyl acetate (123-86-4)</b>                  |                            |
|--|----------------------------|
| <b>PNEC (Water)</b>                                |                            |
| PNEC aqua (freshwater)                             | 0.18 mg/l                  |
| PNEC aqua (marine water)                           | 0.018 mg/l                 |
| 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>Hydrocarbons, C9, aromatics</b>                 |                            |
| <b>DNEL/DMEL (Workers)</b>                         |                            |
| Long-term - systemic effects, dermal               | 25 mg/kg bodyweight/day    |
| Long-term - systemic effects, inhalation           | 150 mg/m <sup>3</sup>      |
| <b>DNEL/DMEL (General population)</b>              |                            |
| Long-term - systemic effects, oral                 | 11 mg/kg bodyweight/day    |
| Long-term - systemic effects, inhalation           | 32 mg/m <sup>3</sup>       |
| Long-term - systemic effects, dermal               | 11 mg/kg bodyweight/day    |
| <b>heptan-2-one; methyl amyl ketone (110-43-0)</b> |                            |
| <b>DNEL/DMEL (Workers)</b>                         |                            |
| Acute - systemic effects, inhalation               | 1516 mg/m <sup>3</sup>     |
| Long-term - systemic effects, dermal               | 54.27 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation           | 394.25 mg/m <sup>3</sup>   |

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| <b>heptan-2-one; methyl amyl ketone (110-43-0)</b>   |                            |
|--|----------------------------|
| <b>DNEL/DMEL (General population)</b>  |                            |
| Long-term - systemic effects, oral   | 23.32 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation   | 84.31 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal   | 23.32 mg/kg bodyweight/day |
| <b>PNEC (Water)</b>  |                            |
| PNEC aqua (freshwater)   | 0.0982 mg/l                |
| PNEC aqua (marine water)   | 0.00982 mg/l               |
| PNEC aqua (intermittent, freshwater)   | 0.982 mg/l                 |
| <b>PNEC (Sediment)</b>   |                            |
| PNEC sediment (freshwater)   | 1.89 mg/kg dwt             |
| PNEC sediment (marine water)   | 0.189 mg/kg dwt            |
| <b>PNEC (Soil)</b>   |                            |
| PNEC soil  | 0.321 mg/kg dwt            |
| <b>PNEC (STP)</b>  |                            |
| PNEC sewage treatment plant  | 12.5 mg/l                  |
| <b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)</b> |                            |
| <b>DNEL/DMEL (Workers)</b>   |                            |
| Long-term - systemic effects, dermal   | 0.5 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation   | 0.68 mg/m <sup>3</sup>     |
| <b>DNEL/DMEL (General population)</b>  |                            |
| Long-term - systemic effects, oral   | 0.05 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation   | 0.17 mg/m <sup>3</sup>     |
| Long-term - systemic effects, dermal   | 0.25 mg/kg bodyweight/day  |
| <b>PNEC (Water)</b>  |                            |
| PNEC aqua (freshwater)   | 0.0022 mg/l                |
| PNEC aqua (marine water)   | 0.00022 mg/l               |
| PNEC aqua (intermittent, freshwater)   | 0.009 mg/l                 |
| <b>PNEC (Sediment)</b>   |                            |
| PNEC sediment (freshwater)   | 1.05 mg/kg dwt             |
| PNEC sediment (marine water)   | 0.11 mg/kg dwt             |
| <b>PNEC (Soil)</b>   |                            |
| PNEC soil  | 0.21 mg/kg dwt             |
| <b>PNEC (STP)</b>  |                            |
| PNEC sewage treatment plant  | 1 mg/l                     |
| <b>dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)] stannane (77-58-7)</b>  |                            |
| <b>DNEL/DMEL (Workers)</b>   |                            |
| Acute - systemic effects, dermal   | 2.08 mg/kg bodyweight/day  |
| Acute - systemic effects, inhalation   | 0.059 mg/m <sup>3</sup>    |

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| <b>dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)] stannane (77-58-7)</b> |                             |
|---|-----------------------------|
| Long-term - systemic effects, dermal  | 0.43 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation                                    | 0.02 mg/m <sup>3</sup>      |
| <b>DNEL/DMEL (General population)</b>                                       |                             |
| Acute - systemic effects, dermal  | 0.5 mg/kg bodyweight/day    |
| Acute - systemic effects, inhalation  | 0.04 mg/m <sup>3</sup>      |
| Acute - systemic effects, oral  | 0.02 mg/kg bodyweight/day   |
| Long-term - systemic effects,oral   | 0.0031 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                                    | 0.0046 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal  | 0.16 mg/kg bodyweight/day   |
| <b>PNEC (Water)</b>   |                             |
| PNEC aqua (freshwater)  | 0.000463 mg/l               |
| PNEC aqua (marine water)  | 0.0000463 mg/l              |
| PNEC aqua (intermittent, freshwater)  | 0.00463 mg/l                |
| PNEC aqua (intermittent, marine water)                                      | 0.00463 mg/l                |
| <b>PNEC (Sediment)</b>  |                             |
| PNEC sediment (freshwater)  | 0.05 mg/kg dwt              |
| PNEC sediment (marine water)  | 0.005 mg/kg dwt             |
| <b>PNEC (Soil)</b>  |                             |
| PNEC soil   | 0.0407 mg/kg dwt            |
| <b>PNEC (Oral)</b>  |                             |
| PNEC oral (secondary poisoning)   | 0.2 mg/kg food              |
| <b>PNEC (STP)</b>   |                             |
| PNEC sewage treatment plant   | 100 mg/l                    |
| <b>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   |
| 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                    |



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| isobutyl methyl ketone (108-10-1)    |                |
|--------------------------------------|----------------|
| PNEC aqua (marine water)             | 0.06 mg/l      |
| PNEC aqua (intermittent, freshwater) | 1.5 mg/l       |
| PNEC (Sediment)                      |                |
| PNEC sediment (freshwater)           | 8.27 mg/kg dwt |
| PNEC sediment (marine water)         | 0.83 mg/kg dwt |
| PNEC (Soil)                          |                |
| PNEC soil                            | 1.3 mg/kg dwt  |
| PNEC (STP)                           |                |
| PNEC sewage treatment plant          | 27.5 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 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

| Hand protection   |                      |                   |                |             |          |
|-------------------|----------------------|-------------------|----------------|-------------|----------|
| Type              | Material             | Permeation        | Thickness (mm) | Penetration | Standard |
| Disposable gloves | Viton® II            | 6 (> 480 minutes) | 0,7 mm         |             | EN 374-3 |
| Disposable gloves | Nitrile rubber (NBR) | 2 (> 30 minutes)  | 0,4 mm         |             | EN 374-3 |

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

| Respiratory protection    |              |           |          |
|---------------------------|--------------|-----------|----------|
| Device                    | Filter type  | Condition | Standard |
| Gas mask with filter type | Filter A1/B1 |           | EN 14387 |

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### 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  | : Colourless.  |
| Odour   | : characteristic.  |
| Odour threshold                                 | : No data available                                      |
| Melting point                                   | : Not applicable   |
| Freezing point                                  | : Not available  |
| Boiling point                                   | : 114 – 117 °C   |
| Flammability                                    | : Not applicable   |
| Explosive properties                            | : No data available.                                     |
| Explosive limits                                | : Not available  |
| Lower explosion limit                           | : 1.3 vol % 4-methylpentan-2-one; isobutyl methyl ketone |
| Upper explosion limit                           | : 8 vol % 4-methylpentan-2-one; isobutyl methyl ketone   |
| Flash point                                     | : 14 °C  |
| Auto-ignition temperature                       | : ≈ 370 °C   |
| Decomposition temperature                       | : Not available  |
| pH  | : Not applicable   |
| Viscosity, kinematic                            | : Not available  |
| Solubility                                      | : Slightly soluble.                                      |
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : 21 hPa   |
| Vapour pressure at 50°C                         | : Not available  |
| Density   | : 1 g/cm <sup>3</sup>                                    |
| Relative density                                | : Not available  |
| Relative vapour density at 20°C                 | : Not available  |
| Particle characteristics                        | : Not applicable   |

### 9.2. Other information

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

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Keep away from sources of ignition. Prevent build-up of electrostatic charges (e.g. by grounding). Protect from sunlight. Avoid high temperatures.

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### 10.5. Incompatible materials

No contact with: strong acids, strong bases and strong oxidants.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Carbon monoxide. Other toxic gases.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

| <b>n-butyl acetate (123-86-4)</b>  |   |
|--|---|
| LD50 oral rat  | 12.2 ml/kg Source: ECHA   |
| LC50 Inhalation - Rat (Vapours)  | > 4.9 mg/l Source: ECHA   |
| <b>Hydrocarbons, C9, aromatics</b>   |   |
| LD50 dermal rabbit   | > 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)   |
| LC50 Inhalation - Rat  | > 6193 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity),<br>Remarks on results: other:                             |
| <b>heptan-2-one; methyl amyl ketone (110-43-0)</b>   |   |
| LD50 oral rat  | ≈ 1600 mg/kg bodyweight Animal: rat, Remarks on results: other:   |
| LD50 dermal rat  | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))    |
| LC50 Inhalation - Rat  | > 16.7 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity),<br>Guideline: EU Method B.2 (Acute Toxicity (Inhalation)) |
| LC50 Inhalation - Rat (Vapours)  | > 16.7 mg/l Source: ECHA  |
| <b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)</b> |   |
| LD50 oral rat  | 3230 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), 95% CL: 2615 - 4247            |
| LD50 dermal rat  | > 3170 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)  |
| <b>dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)] stannane (77-58-7)</b>  |   |
| LD50 oral rat  | 2071 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity),<br>Remarks on results: other:, 95% CL: 1207 - 5106        |
| LD50 dermal rat  | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))    |
| LC50 Inhalation - Rat  | > 2000 mg/kg  |
| <b>isobutyl methyl ketone (108-10-1)</b>   |   |
| LD50 oral rat  | 2080 mg/kg Source: ECHA   |
| LD50 dermal rabbit   | ≥ 2000 mg/kg Source: ECHA   |
| LC50 Inhalation - Rat (Vapours)  | 11.6 mg/l Source: ECHA  |

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Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)  
pH: Not applicable

| <b>n-butyl acetate (123-86-4)</b> |   |
|-----------------------------------|---|
| pH                                | 6.2 Temp.: 20 °C Concentration: 5,3 g/L |

Serious eye damage/irritation : Causes serious eye irritation.  
pH: Not applicable

| <b>n-butyl acetate (123-86-4)</b> |   |
|-----------------------------------|---|
| pH                                | 6.2 Temp.: 20 °C Concentration: 5,3 g/L |

Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Carcinogenicity : Suspected of causing cancer. (Based on available data, the classification criteria are not met)

| <b>isobutyl methyl ketone (108-10-1)</b> |                                      |
|--|--------------------------------------|
| IARC group                               | 2B - Possibly carcinogenic to humans |

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)  
STOT-single exposure : May cause drowsiness or dizziness.

| <b>n-butyl acetate (123-86-4)</b> |                                    |
|-----------------------------------|------------------------------------|
| STOT-single exposure              | May cause drowsiness or dizziness. |

| <b>Hydrocarbons, C9, aromatics</b> |  |
|------------------------------------|--|
| STOT-single exposure               | May cause drowsiness or dizziness. May cause respiratory irritation. |

| <b>dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)] stannane (77-58-7)</b> |                          |
|---|--------------------------|
| STOT-single exposure  | Causes damage to organs. |

| <b>isobutyl methyl ketone (108-10-1)</b> |                                    |
|--|------------------------------------|
| STOT-single exposure                     | May cause drowsiness or dizziness. |

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

| <b>n-butyl acetate (123-86-4)</b> |   |
|-----------------------------------|---|
| LOAEL (oral, rat, 90 days)        | 500 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents) |
| NOAEL (oral, rat, 90 days)        | 125 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents) |

| <b>Hydrocarbons, C9, aromatics</b> |   |
|------------------------------------|---|
| NOAEL (oral, rat, 90 days)         | 600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |

| <b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)</b> |   |
|--|---|
| NOAEL (oral, rat, 90 days)   | 300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral)) |

| <b>dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)] stannane (77-58-7)</b> |   |
|---|---|
| STOT-repeated exposure  | Causes damage to organs (immune system) through prolonged or repeated exposure. |

| <b>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 Study in Rodents) |

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| <b>isobutyl methyl ketone (108-10-1)</b> |   |
|--|---|
| NOAEL (oral, rat, 90 days)               | 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEC (inhalation, rat, vapour, 90 days) | 4106 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)               |

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

| <b>n-butyl acetate (123-86-4)</b> |  |
|-----------------------------------|--|
| Viscosity, kinematic              | 0.83 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)' |

| <b>heptan-2-one; methyl amyl ketone (110-43-0)</b> |   |
|--|---|
| Viscosity, kinematic                               | 0.979 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)' |

| <b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)</b> |   |
|--|---|
| Viscosity, kinematic   | 478 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)' |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Not rapidly degradable

| <b>n-butyl acetate (123-86-4)</b>  |  |
|------------------------------------|--|
| LC50 - Fish [1]                    | 18 mg/l Source: ECHA   |
| EC50 - Crustacea [1]               | 44 mg/l Source: ECHA   |
| EC50 - Other aquatic organisms [1] | 32 mg/l Test organisms (species): Artemia salina   |
| EC50 72h - Algae [1]               | 674.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                    |
| EC50 72h - Algae [2]               | 246 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| LOEC (chronic)                     | 47.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |
| NOEC (chronic)                     | 23.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |

| <b>Hydrocarbons, C9, aromatics</b> |   |
|------------------------------------|---|
| EC50 72h - Algae [1]               | 0.42 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2]               | 0.29 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

| <b>heptan-2-one; methyl amyl ketone (110-43-0)</b> |   |
|--|---|
| LC50 - Fish [1]                                    | 131 mg/l Test organisms (species): Pimephales promelas  |
| EC50 - Crustacea [1]                               | > 90.1 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]                               | 98.2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

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| <b>heptan-2-one; methyl amyl ketone (110-43-0)</b>   |   |
|--|---|
| EC50 72h - Algae [2]   | 75.5 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| <b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)</b> |   |
| LC50 - Fish [1]  | 0.9 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)   |
| EC50 72h - Algae [1]   | 1.68 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                      |
| EC50 72h - Algae [2]   | 0.42 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                      |
| <b>dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)] stannane (77-58-7)</b>  |   |
| LC50 - Fish [1]  | 21.2 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)  |
| EC50 - Crustacea [1]   | 1.7 – 3.4 mg/l Test organisms (species): Daphnia magna  |
| EC50 - Crustacea [2]   | < 463 µg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]   | > 1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                       |
| <b>isobutyl methyl ketone (108-10-1)</b>   |   |
| LC50 - Fish [1]  | > 179 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)   |
| EC50 - Crustacea [1]   | > 200 mg/l Test organisms (species): Daphnia magna  |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

| <b>n-butyl acetate (123-86-4)</b>   |                         |
|---|-------------------------|
| Partition coefficient n-octanol/water (Log Pow)                             | 1.78 Source: HSDB       |
| <b>heptan-2-one; methyl amyl ketone (110-43-0)</b>                          |                         |
| Partition coefficient n-octanol/water (Log Pow)                             | 2.26 Source: ECHA       |
| <b>dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)] stannane (77-58-7)</b> |                         |
| Partition coefficient n-octanol/water (Log Pow)                             | 4.44 Source: ECHA       |
| <b>isobutyl methyl ketone (108-10-1)</b>                                    |                         |
| Partition coefficient n-octanol/water (Log Pow)                             | 1.31 Source: ChemIDPlus |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 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.   |
| Sewage disposal recommendations            | : Do not discharge into drains.   |
| Product/Packaging disposal recommendations | : This material and its container must be disposed of as hazardous waste. Do not dispose of with domestic waste. After cleaning, recycle or dispose of at an authorised site.           |
| Additional information                     | : Flammable vapours may accumulate in the container.  |
| European List of Waste (LoW) code          | : 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances<br>15 01 10* - packaging containing residues of or contaminated by dangerous substances |

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

| ADR   | IMDG  | IATA  |
|---|---|---|
| <b>14.1. UN number or ID number</b>   |   |   |
| UN 1866   | UN 1866   | UN 1866   |
| <b>14.2. UN proper shipping name</b>  |   |   |
| RESIN SOLUTION  | RESIN SOLUTION  | Resin solution  |
| <b>Transport document description</b>   |   |   |
| UN 1866 RESIN SOLUTION, 3, II, (D/E)  | UN 1866 RESIN SOLUTION, 3, II (14°C c.c.)   | UN 1866 Resin solution, 3, II   |
| <b>14.3. Transport hazard class(es)</b>   |   |   |
| 3   | 3   | 3   |
|  |  |  |
| <b>14.4. Packing group</b>  |   |   |
| II  | II  | II  |
| <b>14.5. Environmental hazards</b>  |   |   |
| Dangerous for the environment: No   | Dangerous for the environment: No<br>Marine pollutant: No                           | Dangerous for the environment: No   |
| No supplementary information available  |   |   |

#### 14.6. Special precautions for user

##### Overland transport

|                                  |        |
|----------------------------------|--------|
| Classification code (ADR)        | : F1   |
| Limited quantities (ADR)         | : 5I   |
| Special packing provisions (ADR) | : PP1  |
| Mixed packing provisions (ADR)   | : MP19 |
| Transport category (ADR)         | : 2    |

|                               |        |
|-------------------------------|--------|
| Tunnel restriction code (ADR) | : D/E  |
| EAC code                      | : •3YE |

##### Transport by sea

|                                   |       |
|-----------------------------------|-------|
| Limited quantities (IMDG)         | : 5 L |
| Special packing provisions (IMDG) | : PP1 |

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EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-E  
Stowage category (IMDG) : B

### Air transport

No data available

### 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

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): dibutyltin dilaurate (77-58-7)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 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

### Indication of changes:

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| 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   |
| BCF                         | Bioconcentration factor   |



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| <b>Abbreviations and acronyms:</b> |  |
|------------------------------------|--|
| BLV                                | Biological limit value   |
| BOD                                | Biochemical oxygen demand (BOD)  |
| COD                                | Chemical oxygen demand (COD)   |
| DMEL                               | Derived Minimal Effect level   |
| DNEL                               | Derived-No Effect Level  |
| EC-No.                             | European Community number  |
| EC50                               | Median effective concentration   |
| EN                                 | European Standard  |
| IARC                               | International Agency for Research on Cancer                                  |
| 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   |
| OECD                               | Organisation for Economic Co-operation and Development                       |
| OEL                                | Occupational Exposure Limit  |
| PBT                                | Persistent Bioaccumulative Toxic   |
| PNEC                               | Predicted No-Effect Concentration  |
| RID                                | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                                | Safety Data Sheet  |
| STP                                | Sewage treatment plant   |
| ThOD                               | Theoretical oxygen demand (ThOD)   |
| TLM                                | Median Tolerance Limit   |
| VOC                                | Volatile Organic Compounds   |
| CAS-No.                            | Chemical Abstract Service number   |
| N.O.S.                             | Not Otherwise Specified  |
| vPvB                               | Very Persistent and Very Bioaccumulative                                     |
| ED                                 | Endocrine disrupting properties  |

Data sources : ECHA (European Chemicals Agency).

Training advice : Handle in accordance with good industrial hygiene and safety procedures.

| <b>Full text of H- and EUH-statements:</b> |   |
|--|---|
| Acute Tox. 4 (Inhalation)                  | Acute toxicity (inhal.), Category 4                               |
| Acute Tox. 4 (Oral)                        | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1                            | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1                          | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |

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| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2      |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3      |
| Asp. Tox. 1                         | Aspiration hazard, Category 1  |
| Carc. 2                             | Carcinogenicity, Category 2  |
| EUH066                              | Repeated exposure may cause skin dryness or cracking.                  |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                          |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                          |
| Flam. Liq. 2                        | Flammable liquids, Category 2  |
| Flam. Liq. 3                        | Flammable liquids, Category 3  |
| H225                                | Highly flammable liquid and vapour.                                    |
| H226                                | Flammable liquid and vapour.   |
| H302                                | Harmful if swallowed.  |
| H304                                | May be fatal if swallowed and enters airways.                          |
| H314                                | Causes severe skin burns and eye damage.                               |
| H317                                | May cause an allergic skin reaction.                                   |
| H318                                | Causes serious eye damage.   |
| H319                                | Causes serious eye irritation.   |
| H332                                | Harmful if inhaled.  |
| H335                                | May cause respiratory irritation.                                      |
| H336                                | May cause drowsiness or dizziness.                                     |
| H341                                | Suspected of causing genetic defects.                                  |
| H351                                | Suspected of causing cancer.   |
| H360FD                              | May damage fertility. May damage the unborn child.                     |
| H361f                               | Suspected of damaging fertility.                                       |
| H370                                | Causes damage to organs.   |
| H372                                | Causes damage to organs through prolonged or repeated exposure.        |
| H400                                | Very toxic to aquatic life.  |
| H410                                | Very toxic to aquatic life with long lasting effects.                  |
| H411                                | Toxic to aquatic life with long lasting effects.                       |
| H412                                | Harmful to aquatic life with long lasting effects.                     |
| Muta. 2                             | Germ cell mutagenicity, Category 2                                     |
| Repr. 1B                            | Reproductive toxicity, Category 1B                                     |
| Repr. 2                             | Reproductive toxicity, Category 2                                      |
| Skin Corr. 1C                       | Skin corrosion/irritation, Category 1, Sub-Category 1C                 |
| Skin Sens. 1                        | Skin sensitisation, Category 1   |
| Skin Sens. 1A                       | Skin sensitisation, category 1A  |
| STOT RE 1                           | Specific target organ toxicity – Repeated exposure, Category 1         |
| STOT SE 1                           | Specific target organ toxicity – single exposure, Category 1           |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

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| <b>Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:</b> |      |                    |
|--|------|--------------------|
| Flam. Liq. 2   | H225 | Expert judgment    |
| Eye Irrit. 2   | H319 | Calculation method |
| Skin Sens. 1   | H317 | Expert judgment    |
| Carc. 2  | H351 | Calculation method |
| STOT SE 3  | H336 | Expert judgment    |
| Aquatic Chronic 3  | H412 | Expert judgment    |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.