

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577 Issue date: 24/07/2024 Version: 1.0

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

#### **1.1. Product identifier**

| Rabanne |
|---------|
|         |
|         |
| 2       |

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

# Relevant identified uses

Main use category Use of the substance/mixture : Consumer use : Cosmetics

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

PJD Hadleigh Business Park IP7 5PW Hadleigh, Suffolk

#### 1.4. Emergency telephone number

Emergency number

# : Tel: +44(0) 1473 822300

### **SECTION 2: Hazards identification**

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

#### Classification according to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

| Flammable liquids, Category 2                          | H225 |
|--|------|
| Skin sensitisation, Category 1                         | H317 |
| Hazardous to the aquatic environment – Chronic Hazard, | H411 |
| Category 2   |      |

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

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

Highly flammable liquid and vapour. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

#### Labelling according to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Hazard pictograms (CLP)

|                                | GHS02 GHS07 GHS09   |
|--------------------------------|---|
| Signal word (CLP)              | : Danger  |
| Contains                       | : TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES; Coumarin; d-limonene;                          |
|                                | Hydroxycitronellal; 3-(2H-1,3-BENZODIOXOL-5-YL)-2-METHYLPROPANAL;                         |
|                                | FORMALDEHYDE CYCLODECYL ETHYL ACETAL; Linalool; Isoeugenol; Linalyl acetate;              |
|                                | 4-TERT-BUTYLDIHYDROCINNAMALDEHYDE; Reaction mass of 1-[(1R*,6S*)-2,2,6-                   |
|                                | trimethylcyclohexyl]hexan-3-ol and 1-[(1S*,6S*)-2,2,6-trimethylcyclohexyl]hexan-3-ol      |
| Hazard statements (CLP)        | : H225 - Highly flammable liquid and vapour.  |
|                                | H317 - May cause an allergic skin reaction.   |
|                                | H411 - Toxic to aquatic life with long lasting effects.                                   |
| Precautionary statements (CLP) | : P102 - Keep out of reach of children.   |
|                                | P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. |
|                                | No smoking.   |
|                                | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.                                  |
|                                | P273 - Avoid release to the environment.  |
|                                |   |

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

| P280 - Wear protective gloves/protective clothing/eye protection/face protection.       |
|---|
| P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.  |
| Rinse skin with water.  |
| P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.            |
| P391 - Collect spillage.  |
| P501 - Dispose of contents/container to hazardous or special waste collection point, in |
| accordance with local, regional, national and/or international regulation.              |

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with UK REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name  | Product identifier  | %           | Classification  |
|---|---|-------------|---|
| ALCOHOL DENAT.<br>substance with national workplace exposure limit(s)<br>(DE, GB, IE) | CAS-No.: 64-17-5<br>EC-No.: 200-578-6<br>EC Index-No.: 603-002-00-5   | ≥ 50 – < 75 | Flam. Liq. 2, H225  |
| TETRAMETHYL<br>ACETYLOCTAHYDRONAPHTHALENES  | CAS-No.: 54464-57-2<br>EC-No.: 259-174-3                              | ≥1-<5       | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411   |
| 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-<br>naphthyl)                          | CAS-No.: 1506-02-1<br>EC-No.: 216-133-4                               | ≥1-<5       | Acute Tox. 4 (Oral), H302 (ATE=920<br>mg/kg bodyweight)<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                               |
| Dihydromyrcenol   | CAS-No.: 18479-58-8<br>EC-No.: 242-362-4                              | ≥1-<5       | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319   |
| 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-<br>hexamethylindeno[5,6-c]pyran                    | CAS-No.: 1222-05-5<br>EC-No.: 214-946-9                               | ≥1-<5       | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| Coumarin  | CAS-No.: 91-64-5<br>EC-No.: 202-086-7                                 | ≥ 1 – < 5   | Acute Tox. 4 (Oral), H302 (ATE=500<br>mg/kg bodyweight)<br>Skin Sens. 1B, H317<br>STOT RE 2, H373   |
| d-limonene  | CAS-No.: 5989-27-5<br>EC-No.: 227-813-5<br>EC Index-No.: 601-096-00-2 | ≥1-<5       | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Hydroxycitronellal  | CAS-No.: 107-75-5<br>EC-No.: 203-518-7                                | < 1         | Eye Irrit. 2, H319<br>Skin Sens. 1B, H317   |
| FORMALDEHYDE CYCLODECYL ETHYL ACETAL  | CAS-No.: 58567-11-6<br>EC-No.: 261-332-1                              | < 1         | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411   |
| 3-(2H-1,3-BENZODIOXOL-5-YL)-2-<br>METHYLPROPANAL                                      | CAS-No.: 1205-17-0<br>EC-No.: 214-881-6                               | < 1         | Skin Sens. 1B, H317<br>Repr. 2, H361<br>Aquatic Chronic 2, H411   |

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

| Name   | Product identifier  | %   | Classification   |
|--|---|-----|--|
| Linalyl acetate  | CAS-No.: 115-95-7<br>EC-No.: 204-116-4                              | < 1 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317   |
| Reaction mass of 1-[(1R*,6S*)-2,2,6-<br>trimethylcyclohexyl]hexan-3-ol and 1-[(1S*,6S*)-2,2,6-<br>trimethylcyclohexyl]hexan-3-ol | CAS-No.: n.a.<br>EC-No.: 947-716-8                                  | < 1 | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>Skin Sens. 1B, H317  |
| Linalool   | CAS-No.: 78-70-6<br>EC-No.: 201-134-4<br>EC Index-No.: 603-235-00-2 | < 1 | Skin Sens. 1B, H317  |
| 4-TERT-BUTYLDIHYDROCINNAMALDEHYDE  | CAS-No.: 18127-01-0<br>EC-No.: 242-016-2                            | < 1 | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>STOT RE 2, H373<br>Aquatic Chronic 3, H412   |
| 2,6-DI-TERT-BUTYL-4-METHYLPHENOL<br>substance with national workplace exposure limit(s)<br>(GB, IE)                              | CAS-No.: 128-37-0<br>EC-No.: 204-881-4                              | < 1 | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| Isoeugenol   | CAS-No.: 97-54-1<br>EC-No.: 202-590-7<br>EC Index-No.: 604-094-00-X | < 1 | Acute Tox. 4 (Oral), H302 (ATE=542<br>mg/kg bodyweight)<br>Acute Tox. 4 (Dermal), H312 (ATE=1912<br>mg/kg bodyweight)<br>Acute Tox. 4 (Inhalation), H332 (ATE=1.5<br>mg/l/4h)<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>(ATE=1.5 mg/l/4h)<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1A, H317<br>STOT SE 3, H335 |

| Specific concentration limits: |   |                                      |
|--------------------------------|---|--------------------------------------|
| Name                           | Product identifier  | Specific concentration limits (%)    |
| Isoeugenol                     | CAS-No.: 97-54-1<br>EC-No.: 202-590-7<br>EC Index-No.: 604-094-00-X | (0.01 ≤ C < 100) Skin Sens. 1A; H317 |

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<br>First-aid measures after inhalation<br>First-aid measures after skin contact<br>First-aid measures after eye contact<br>First-aid measures after ingestion<br>First-aid measures for first aider | <ul> <li>If you feel unwell, seek medical advice.</li> <li>Remove person to fresh air and keep comfortable for breathing.</li> <li>Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.</li> <li>Rinse eyes with water as a precaution.</li> <li>Call a poison center or a doctor if you feel unwell.</li> <li>First aid workers will be equipped with suitable personal protective equipment.</li> </ul> |
| 4.2. Most important symptoms and effects,  | both acute and delayed  |
| Symptoms/effects after inhalation<br>Symptoms/effects after skin contact<br>Symptoms/effects after eye contact<br>Symptoms/effects after ingestion   | <ul> <li>Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.</li> <li>May cause an allergic skin reaction.</li> <li>None under normal conditions.</li> <li>None under normal conditions.</li> </ul>   |

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

# 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<br>Unsuitable extinguishing media                      | <ul><li>Water spray. Dry powder. Foam. Carbon dioxide.</li><li>Do not use a heavy water stream.</li></ul>  |  |  |
| 5.2. Special hazards arising from the substance or mixture                          |  |  |  |
| Fire hazard<br>Explosion hazard<br>Hazardous decomposition products in case of fire | <ul> <li>Highly flammable liquid and vapour.</li> <li>No direct explosion hazard.</li> <li>Toxic fumes may be released.</li> </ul>   |  |  |
| 5.3. Advice for firefighters  |  |  |  |
| Firefighting instructions Protection during firefighting                            | <ul> <li>Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained</li> </ul> |  |  |
|   | breathing apparatus. Complete protective clothing.   |  |  |

| SECTION 6: Accidental release measures                                   |  |  |  |
|--|--|--|--|
| 6.1. Personal precautions, protective equipment and emergency procedures |  |  |  |
| General measures :   | <ul> <li>Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.</li> <li>Absorb spillage to prevent material damage.</li> </ul> |  |  |
| For non-emergency personnel  |  |  |  |
|  | : Wear recommended personal protective equipment.  |  |  |
| Emergency procedures :   | : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.          |  |  |
| For emergency responders   |  |  |  |
|  | Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".          |  |  |
| Emergency procedures :   | Evacuate unnecessary personnel. Stop leak if safe to do so.  |  |  |
| 6.2. Environmental precautions   |  |  |  |
| Avoid release to the environment.  |  |  |  |
| 6.3. Methods and material for containment an                             | nd cleaning up   |  |  |
| For containment :  | Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry<br>into sewers or streams. Stop leak without risks if possible.       |  |  |
| Methods for cleaning up :  | Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  |  |  |
| 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 |  |
| Additional hazards when processed  | : Not expected to present a significant hazard under anticipated conditions of normal use. |

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

| J   | Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.<br>Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.<br>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.Packaging materials: Store always product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### National occupational exposure and biological limit values

| ALCOHOL DENAT. (64-17-5)                      |                                       |  |
|---|---------------------------------------|--|
| United Kingdom - Occupational Exposure Limits |                                       |  |
| Local name Ethanol                            |                                       |  |
| WEL TWA (OEL TWA)                             | 1920 mg/m <sup>3</sup>                |  |
|   | 1000 ppm                              |  |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE |  |
| 2,6-DI-TERT-BUTYL-4-METHYLPHENOL (128-37-0)   |                                       |  |
| United Kingdom - Occupational Exposure Limits |                                       |  |
| Local name                                    | 2,6-Di-tert-butyl-p-cresol            |  |
| WEL TWA (OEL TWA)                             | 10 mg/m <sup>3</sup>                  |  |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE |  |
|   | -                                     |  |

**8.2. Exposure controls** 

#### Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### **Personal protection equipment**

Personal protective equipment: Wear recommended personal protective equipment.

#### Eye and face protection

#### Eye protection:

No specific eye protection required during normal use. For handling bulk: Safety glasses with side shields Chemical goggles

### Skin protection

#### Skin and body protection:

No specific protection required during normal use. For handling bulk: Wear suitable protective clothing

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

### Hand protection:

No specific hand protection required during normal use. For handling bulk: Wear general protective gloves, e.g. light weight rubber gloves.

#### **Respiratory protection**

#### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

#### **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<br>Colour                        | : Liquid<br>: Clear to slightly hazy bright yellow to yellow |
|---|--|
| Odour   | : Characteristic   |
| Odour threshold                                 | : Not available  |
| Melting point                                   | : Not applicable   |
| Freezing point                                  | : Not available  |
| Boiling point                                   | : Not available  |
| Flammability                                    | : Highly flammable liquid and vapour.                        |
| Lower explosion limit                           | : Not available  |
| Upper explosion limit                           | : Not available  |
| Flash point                                     | : Not available  |
| Auto-ignition temperature                       | : Not available  |
| Decomposition temperature                       | : Not available  |
| pH  | : Not available  |
| Viscosity, kinematic                            | : Not available  |
| Solubility                                      | : Not available  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : Not available  |
| Vapour pressure at 50°C                         | : Not available  |
| Density   | : 0.829 – 0.849  |
| Relative density                                | : Not available  |
| Relative vapour density at 20°C                 | : Not available  |
| Particle characteristics                        | : Not applicable   |
| 9.2. Other information                          |  |

No additional information available

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Highly flammable liquid and vapour.

**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

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

## **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 toxicological effects |  |  |  |  |
| Acute toxicity (oral)                      | : Not classified                       |  |  |  |
| Acute toxicity (dermal)                    | : Not classified                       |  |  |  |
| Acute toxicity (inhalation)                | : Not classified                       |  |  |  |
| Skin corrosion/irritation                  | : Not classified                       |  |  |  |
| Serious eye damage/irritation              | : Not classified                       |  |  |  |
| Respiratory or skin sensitisation          | : May cause an allergic skin reaction. |  |  |  |
| Germ cell mutagenicity                     | : Not classified                       |  |  |  |
| Carcinogenicity                            | : Not classified                       |  |  |  |
| Reproductive toxicity                      | : Not classified                       |  |  |  |
| STOT-single exposure                       | : Not classified                       |  |  |  |
| STOT-repeated exposure                     | : Not classified                       |  |  |  |
| Aspiration hazard                          | : Not classified                       |  |  |  |
| 11.2. Information on other hazards         |  |  |  |  |
|  |  |  |  |  |

No additional information available

| SECTION 12: Ecological information   |  |  |  |
|--|--|--|--|
| 12.1. Toxicity   |  |  |  |
| Ecology - general: Toxic to aquatic life with long lasting effects.Hazardous to the aquatic environment, short-term<br>(acute): Not classifiedHazardous to the aquatic environment, long-term<br>(chronic): Toxic to aquatic life with long lasting effects. |  |  |  |
| 12.2. Persistence and degradability  |  |  |  |
| No additional information available  |  |  |  |
| 12.3. Bioaccumulative potential  |  |  |  |
| No additional information available  |  |  |  |
| 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  |  |  |  |

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Regional waste regulation

Waste treatment methods

Sewage disposal recommendations

Product/Packaging disposal recommendations Additional information

HP Code

- : Disposal must be done according to official regulations.
- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Disposal must be done according to official regulations.
- : Disposal must be done according to official regulations.

Flammable vapours may accumulate in the container. Do not re-use empty containers.

HP3 - "Flammable:"

– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and  $\leq$  75 °C;

- flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;

 flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;

 – flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;

 water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;

- other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

## **SECTION 14: Transport information**

| ADR  | IMDG  | ΙΑΤΑ  | ADN   | RID   |
|--|---|---|---|---|
| 14.1. UN number or ID n  | umber   |   | 1   |   |
| UN 1266  | UN 1266   | UN 1266   | UN 1266   | UN 1266   |
| 14.2. UN proper shippin  | g name  |   | 1   |   |
| PERFUMERY PRODUCTS   | PERFUMERY PRODUCTS  | Perfumery products  | PERFUMERY PRODUCTS  | PERFUMERY PRODUCTS  |
| Transport document descr   | iption  |   |   |   |
| UN 1266 PERFUMERY<br>PRODUCTS, 3, II, (D/E),<br>ENVIRONMENTALLY<br>HAZARDOUS | UN 1266 PERFUMERY<br>PRODUCTS, 3, II, MARINE<br>POLLUTANT/ENVIRONME<br>NTALLY HAZARDOUS | UN 1266 Perfumery<br>products, 3, II,<br>ENVIRONMENTALLY<br>HAZARDOUS | UN 1266 PERFUMERY<br>PRODUCTS, 3, II,<br>ENVIRONMENTALLY<br>HAZARDOUS | UN 1266 PERFUMERY<br>PRODUCTS, 3, II,<br>ENVIRONMENTALLY<br>HAZARDOUS |
| 14.3. Transport hazard o   | class(es)   |   |   |   |
| 3  | 3   | 3   | 3   | 3   |
|  |   |   |   |   |
| 14.4. Packing group  |   |   |   |   |
| II   | II  | II  | II  | II  |

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

| ADR                                    | IMDG   | ΙΑΤΑ                               | ADN                                | RID                                |  |  |
|--|--|------------------------------------|------------------------------------|------------------------------------|--|--|
| 14.5. Environmental hazards            |  |                                    |                                    |                                    |  |  |
| Dangerous for the environment: Yes     | Dangerous for the<br>environment: Yes<br>Marine pollutant: Yes<br>EmS-No. (Fire): F-E<br>EmS-No. (Spillage): S-D | Dangerous for the environment: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes |  |  |
| No supplementary information available |  |                                    |                                    |                                    |  |  |

## **Overland transport**

| Overland transport  |   |  |
|---|---|--|
| Classification code (ADR)   | : | F1   |
| Special provisions (ADR)  | : | 163, 640D  |
| Limited quantities (ADR)  | : | 51   |
| Excepted quantities (ADR)   | : | E2   |
| Packing instructions (ADR)  | : | P001, IBC02, R001                                    |
| Mixed packing provisions (ADR)  | : | MP19   |
| Portable tank and bulk container instructions (ADR)                           | : | Τ4   |
| Portable tank and bulk container special provisions                           | : | TP1, TP8   |
| (ADR)   |   |  |
| Tank code (ADR)   | : | LGBF   |
| Vehicle for tank carriage   | : | FL   |
| Transport category (ADR)  | : | 2  |
| Special provisions for carriage - Operation (ADR)                             | : | S2, S20  |
| Hazard identification number (Kemler No.)                                     | : | 33   |
| Orange plates   | : | 22   |
|   |   | 33   |
|   |   | 1266   |
|   |   | 1200   |
| Tunnel restriction code (ADR)   | : | D/E  |
| EAC code  | : | •3YE   |
|   |   |  |
| Transport by sea  |   |  |
| Special provisions (IMDG)   | : | 163  |
| Limited quantities (IMDG)   | : | 5 L  |
| Excepted quantities (IMDG)  | : | E2   |
| Packing instructions (IMDG)   | : | P001   |
| IBC packing instructions (IMDG)   | : | IBC02  |
| Tank instructions (IMDG)  | : | Τ4   |
| Tank special provisions (IMDG)  | : | TP1, TP8   |
| Stowage category (IMDG)   | : | В  |
| Properties and observations (IMDG)  | : | Miscibility with water depends upon the composition. |
| Air transport   |   |  |
| Air transport   |   | E2   |
| PCA Excepted quantities (IATA)  | • | E2<br>Y341   |
| PCA Limited quantities (IATA)<br>PCA limited quantity max net quantity (IATA) | • | 1L   |
|   | • |  |
| PCA packing instructions (IATA)   | · | 353  |

|       | : P001<br>: IBC02<br>: T4<br>: TP1, TP8<br>: B<br>: Miscibility with water de |
|-------|---|
|       |   |
|       | : E2  |
|       | : Y341  |
| IATA) | : 1L  |
|       | : 353   |
|       | : 5L  |
|       | : 364   |
|       | : 60L   |
|       | : A3, A72   |
|       | : 3L  |
|       | : F1  |
|       | : 163, 640D   |
|       | : 5 L   |
|       | : E2  |

PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA)

Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

| Equipment required (ADN): PP, EX, AVentilation (ADN): VE01Number of blue cones/lights (ADN): 1Rail transportClassification code (RID): F1Special provisions (RID): 163, 640DLimited quantities (RID): 5LExcepted quantities (RID): E2  |            |
|--|------------|
| Classification code (RID): F1Special provisions (RID): 163, 640DLimited quantities (RID): 5L   | A          |
| Packing instructions (RID):P001, IBC02, R00Mixed packing provisions (RID):MP19Portable tank and bulk container instructions (RID):T4Portable tank and bulk container special provisions:TP1, TP8(RID):LGBFTransport category (RID):2Colis express (express parcels) (RID):CE7Hazard identification number (RID):33 | 3C02, R001 |

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

#### **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 no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **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)

#### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

#### **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)

#### **United Kingdom**

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

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

#### UK REACH Candidate List (SVHC)

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

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

## 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   |  |  |
| BCF                         | Bioconcentration factor   |  |  |
| 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   |  |  |
| ΙΑΤΑ                        | 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   |  |  |
| РВТ                         | 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  |  |  |

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

| Abbreviations and acronyms:                               |  |  |  |  |  |
|---|--|--|--|--|--|
| ED  | Endocrine disruptor  |  |  |  |  |
|   |  |  |  |  |  |
| 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<br>(Inhalation:dust,mist)                    | Acute toxicity (inhalation:dust,mist) 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                          |  |  |  |  |
| 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  |  |  |  |  |
| 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.  |  |  |  |  |
| H312  | Harmful in contact with skin.  |  |  |  |  |
| H315  | Causes skin irritation.  |  |  |  |  |
| H317  | May cause an allergic skin reaction.   |  |  |  |  |
| H319  | Causes serious eye irritation.   |  |  |  |  |
| H332  | Harmful if inhaled.  |  |  |  |  |
| H335  | May cause respiratory irritation.  |  |  |  |  |
| H361  | Suspected of damaging fertility or the unborn child.                                       |  |  |  |  |
| H373  | May cause 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.   |  |  |  |  |
| Repr. 2   | Reproductive toxicity, Category 2  |  |  |  |  |
| Skin Irrit. 2   | Skin corrosion/irritation, Category 2  |  |  |  |  |
| Skin Sens. 1A   | Skin sensitisation, category 1A  |  |  |  |  |
| Skin Sens. 1B   | Skin sensitisation, category 1B  |  |  |  |  |
| STOT RE 2   | Specific target organ toxicity – Repeated exposure, Category 2                             |  |  |  |  |
| STOT SE 3   | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |  |  |  |  |

The classification complies with

: ATP 12

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

Safety Data Sheet (SDS), UK

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.