

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 16/02/2017 Revision date: 13/10/2022 Supersedes version of: 19/08/2021 Version: 4.2

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

## 1.1. Product identifier

Product form : Mixture

Product name : SC8 - Air Freshener & Odour Neutraliser

Product code : 64/12

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

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only

Use of the substance/mixture : Air freshener

1.2.2. Uses advised against

Restrictions on use : Anything other than intended use as listed on the label.

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

Supplier Supplier

Greyland Ltd Greyland Europe Limited
Tameside Park Industrial Estate 13a Ballyhoy Avenue

Fifth Avenue Raheny
Dukinfield Dublin 5

 SK16 4PP
 Tel: +44 (0) 161 343 3830

 UK
 E-mail: sales@greyland.co.uk

Tel: +44 (0) 161 343 3830 Fax: +44 (0) 161 343 0608 Email: sales@greyland.co.uk

## 1.4. Emergency telephone number

Emergency number : +44 (0) 161 343 3830

Monday - Friday (08:00 - 16:30)

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

### 2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 1 H318 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

Causes serious eye damage. Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

Contains : Alcohols c9-11, ethoxylated, Cocamidopropyl Betaine

: Danger

Hazard statements (CLP) : H318 - Causes serious eye damage.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P280 - Wear eye protection.

 ${\sf P305+P351+P338-IF\ IN\ EYES:\ Rinse\ cautiously\ with\ water\ for\ several\ minutes.\ Remove}$ 

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contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a doctor, a POISON CENTER.

: EUH208 - Contains D-limonene(5989-27-5), citral(5392-40-5), Terpinolene(586-62-9). May

produce an allergic reaction.

## 2.3. Other hazards

**EUH-statements** 

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

## **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name  | Product identifier  | %          | Classification according to<br>Regulation (EC) No. 1272/2008<br>[CLP]  |
|---|---|------------|--|
| Alcohols c9-11, ethoxylated                     | CAS-No.: 68439-46-3<br>EC-No.: 614-482-0<br>REACH-no: Exempt                                      | ≥ 5 – < 10 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318  |
| isopropanol                                     | CAS-No.: 67-63-0<br>EC-No.: 200-661-7<br>EC Index-No.: 603-117-00-0<br>REACH-no: 01-2119457558-   | ≥ 5 – < 10 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336  |
| Sodium Styrene/Ma Copolymer                     | CAS-No.: 52500-92-2   | ≥1-<5      | Eye Irrit. 2, H319   |
| Cocamidopropyl Betaine                          | CAS-No.: 61789-40-0<br>EC-No.: 263-058-8  | ≥1-<5      | Skin Irrit. 2, H315<br>Eye Dam. 1, H318  |
| C12-16 PARETH-5                                 | CAS-No.: 68551-12-2<br>EC-No.: 500-221-7  | < 1        | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400   |
| D-limonene                                      | CAS-No.: 5989-27-5<br>EC-No.: 227-813-5<br>EC Index-No.: 601-029-00-7<br>REACH-no: 01-2119493353- | < 1        | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410               |
| citral  | CAS-No.: 5392-40-5<br>EC-No.: 226-394-6<br>EC Index-No.: 605-019-00-3                             | < 1        | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317  |
| Terpinolene                                     | CAS-No.: 586-62-9<br>EC-No.: 209-578-0  | < 1        | Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| bronopol (INN); 2-bromo-2-nitropropane-1,3-diol | CAS-No.: 52-51-7<br>EC-No.: 200-143-0<br>EC Index-No.: 603-085-00-8                               | <1         | Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Oral), H302<br>STOT SE 3, H335<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=10) |

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

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#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after eye contact : Serious damage to eyes.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

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

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

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

#### 5.3. Advice for firefighters

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

breathing apparatus. Complete protective clothing.

#### **SECTION 6: Accidental release measures**

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

## 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear

personal protective equipment.

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Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

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

Storage conditions : Store in a well-ventilated place. Keep cool. Incompatible products : Oxidizing agent. Strong bases. Strong acids.

Special rules on packaging : Keep only in original container. Store in a closed container.

#### 7.3. Specific end use(s)

No additional information available

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

#### 8.1. Control parameters

## 8.1.1 National occupational exposure and biological limit values

| isopropanol (67-63-0)                                     |  |  |
|---|--|--|
| United Kingdom - Occupational Exposure Limits             |  |  |
| WEL TWA (OEL TWA) [1]                                     | 999 mg/m³                                |  |
| WEL TWA (OEL TWA) [2]                                     | 400 ppm                                  |  |
| WEL STEL (OEL STEL)                                       | 1250 mg/m³                               |  |
| WEL STEL (OEL STEL) [ppm]                                 | 500 ppm                                  |  |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE    |  |
| citral (5392-40-5)  |  |  |
| Ireland - Occupational Exposure Limits                    |  |  |
| Local name  | Citral                                   |  |
| OEL TWA [2]   | 5 ppm IFV (Inhlable Fraction and Vapour) |  |
| egulatory reference Chemical Agents Code of Practice 2021 |  |  |

## 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

## 8.1.4. DNEL and PNEC

No additional information available

#### 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):



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#### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety glasses. Use eye protection according to EN 166.

#### 8.2.2.2. Skin protection

#### Skin and body protection:

If direct or repeated skin contact is likely, wear suitable protective clothing

#### Hand protection:

Where a risk of contact with hands is likely, suitable chemical resistant gloves (approved to EN 374 standard or equivalent) is recommended.

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Not required under normal conditions of use.

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

#### Other information:

A risk assessment should be carried out prior to use to determine the exposure risk to the chemical. Specific work environments and material handling practices may vary; therefore, safety procedures should be developed and PPE selected for each intended application. Consultation with PPE supplier/manufacturer will help determine suitability as protection time cannot be accurately estimated for mixtures (such as glove breakthrough time). PPE should be worn to prevent any contact with the chemical. Any contaminated clothing should be washed prior to re-use.

#### **SECTION 9: Physical and chemical properties**

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

Physical state : Liquid
Colour : light yellow.
Odour : Lemon.

Odour threshold : No data available

pH : 4-7

Relative evaporation rate (butylacetate=1) : No data available Melting point : Not applicable Freezing point : No data available Boiling point : No data available

Flash point : > 65 °C

Auto-ignition temperature : No data available Decomposition temperature : No data available Flammability (solid, gas) : Not applicable Vapour pressure : No data available Relative vapour density at 20°C : No data available Relative density : No data available

Density : 0.99 - 1

Solubility : No data available
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

#### 9.2. Other information

No additional information available

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## **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.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

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

## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

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

| Acute toxicity (inhalation)              | : Not classified  |
|--|---|
| Alcohols c9-11, ethoxylated (68439-46-3) |   |
| LD50 dermal rat                          | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)  |
| LC50 Inhalation - Rat                    | > 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)   |
| isopropanol (67-63-0)                    |   |
| LD50 oral rat                            | 5840 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)  |
| D-limonene (5989-27-5)                   |   |
| LD50 oral rat                            | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) |
| citral (5392-40-5)                       |   |
| LD50 oral rat                            | ≈ 6800 mg/kg bodyweight Animal: rat   |
| LD50 dermal rat                          | > 2000 mg/kg bodyweight Animal: rat   |
| Terpinolene (586-62-9)                   |   |
| LD50 dermal rabbit                       | > 4300 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)   |
| bronopol (INN); 2-bromo-2-nitropropane-  | 1,3-diol (52-51-7)  |
| LD50 dermal rat                          | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)  |
| LC50 Inhalation - Rat                    | ≥ 0.588 mg/l air Animal: rat  |
| Skin corrosion/irritation                | : Not classified  |

pH: 4 – 7

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| 11   |  |
|--|--|
| pH   | 6.8  |
| Serious eye damage/irritation                  | : Causes serious eye damage.<br>pH: 4 – 7  |
| Alcohols c9-11, ethoxylated (68439-46-3)       |  |
| рН   | 6.8  |
| Respiratory or skin sensitisation              | : Not classified   |
| Germ cell mutagenicity                         | : Not classified   |
| Carcinogenicity                                | : Not classified   |
| citral (5392-40-5)                             |  |
| NOAEL (chronic, oral, animal/male, 2 years)    | 60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information) |
| Reproductive toxicity                          | : Not classified   |
| Terpinolene (586-62-9)                         |  |
| NOAEL (animal/male, F0/P)                      | 294.6 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicit Screening Test)                         |
| NOAEL (animal/female, F0/P)                    | 161.5 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicit Screening Test)                       |
| STOT-single exposure                           | : Not classified   |
| isopropanol (67-63-0)                          |  |
| STOT-single exposure                           | May cause drowsiness or dizziness.   |
| bronopol (INN); 2-bromo-2-nitropropane-1,      | 3-diol (52-51-7)   |
| STOT-single exposure                           | May cause respiratory irritation.  |
| STOT-repeated exposure                         | : Not classified   |
| Alcohols c9-11, ethoxylated (68439-46-3)       |  |
| NOAEL (oral, rat, 90 days)                     | ≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90 Day Oral Toxicity in Rodents)  |
| citral (5392-40-5)                             |  |
| LOAEC (inhalation, rat, gas, 90 days)          | 68 ppm Animal: rat, Animal sex: female   |
| NOAEL (oral, rat, 90 days)                     | 100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)  |
| NOAEC (inhalation, rat, gas, 90 days)          | 34 ppm Animal: rat, Animal sex: female   |
| NOAEL (subchronic, oral, animal/male, 90 days) | 60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)   |

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

: Not classified

Hazardous to the aquatic environment, short–term

(acute

 $\label{prop:lambda} \mbox{Hazardous to the aquatic environment, long-term} \qquad : \quad \mbox{Harmful to aquatic life with long lasting effects}.$ 

(chronic)

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| iconveneral (67 62 0)                        |  |
|--|--|
| isopropanol (67-63-0)                        |  |
| LC50 - Fish [1]                              | 10000 mg/l Test organisms (species): Pimephales promelas   |
| LC50 - Fish [2]                              | 9640 mg/l Test organisms (species): Pimephales promelas  |
| D-limonene (5989-27-5)                       |  |
| LC50 - Fish [1]                              | 720 μg/l Test organisms (species): Pimephales promelas   |
| EC50 - Crustacea [1]                         | 0.36 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]                         | ≈ 8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)  |
| NOEC (chronic)                               | 0.115 mg/l Test organisms (species): other:For freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex. Duration: '16 d' |
| citral (5392-40-5)                           |  |
| LC50 - Fish [1]                              | 6.78 mg/l Test organisms (species): Leuciscus idus   |
| EC50 - Crustacea [1]                         | 6.8 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]                         | 103.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)  |
| Terpinolene (586-62-9)                       |  |
| LC50 - Fish [1]                              | 0.805 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)  |
| EC50 - Crustacea [1]                         | 0.634 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]                         | 0.692 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)           |
| EC50 72h - Algae [2]                         | 0.302 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)           |
| bronopol (INN); 2-bromo-2-nitropropane-1,3-d | liol (52-51-7)   |
| EC50 - Crustacea [1]                         | 1.4 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]                         | 0.25 mg/l Test organisms (species): Skeletonema costatum   |
| EC50 72h - Algae [2]                         | 0.37 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)            |
| LOEC (chronic)                               | 0.88 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |
| NOEC (chronic)                               | 0.27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |
| NOEC chronic fish                            | 21.5 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '49 d'  |

## 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. Other adverse effects

No additional information available

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## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods

Product/Packaging disposal recommendations

European List of Waste (LoW) code

- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Wash packaging with a suitable cleaner (water) before recycling. Otherwise dispose of as contaminated packaging. Always dispose of packaging in accordance with local regulations.
- : 20 01 29\* detergents containing dangerous substances
  - 15 01 10\* packaging containing residues of or contaminated by dangerous substances

## **SECTION 14: Transport information**

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

| ADR                         | IMDG          | IATA          | ADN           | RID           |
|-----------------------------|---------------|---------------|---------------|---------------|
| 4.1. UN number              |               |               |               |               |
| Not regulated               | Not regulated | Not regulated | Not regulated | Not regulated |
| 4.2. UN proper shippin      | g name        |               |               |               |
| Not regulated               | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard o    | class(es)     |               |               |               |
| Not regulated               | Not regulated | Not regulated | Not regulated | Not regulated |
| 4.4. Packing group          |               |               |               |               |
| Not regulated               | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental haz     | ards          |               |               |               |
| Not regulated               | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary informatio | n available   |               |               |               |

### 14.6. Special precautions for user

#### **Overland transport**

Not regulated

#### Transport by sea

Not regulated

### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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#### **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 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)

#### **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**

| Abbreviations and acronyms: |   |  |
|-----------------------------|---|--|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |  |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |  |
| ATE                         | Acute Toxicity Estimate   |  |
| BLV                         | Biological limit value  |  |
| CAS-No.                     | Chemical Abstract Service number  |  |
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |  |
| DMEL                        | Derived Minimal Effect level  |  |
| DNEL                        | Derived-No Effect Level   |  |
| EC50                        | Median effective concentration  |  |
| EC-No.                      | European Community number   |  |
| EN                          | European Standard   |  |
| IATA                        | International Air Transport Association   |  |
| IMDG                        | International Maritime Dangerous Goods  |  |
| LC50                        | Median lethal concentration   |  |

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

| Full text of H- and EUI | H-statements:   |
|-------------------------|---|
| Acute Tox. 4 (Dermal)   | Acute toxicity (dermal), 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   |
| Asp. Tox. 1             | Aspiration hazard, Category 1   |
| EUH208                  | Contains D-limonene(5989-27-5), citral(5392-40-5), Terpinolene(586-62-9). May produce an allergic reaction. |
| 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.   |
| H312                    | Harmful in contact with skin.   |
| H315                    | Causes skin irritation.   |
| H317                    | May cause an allergic skin reaction.  |
| H318                    | Causes serious eye damage.  |
| H319                    | Causes serious eye irritation.  |
| H335                    | May cause respiratory irritation.   |
| H336                    | May cause drowsiness or dizziness.  |
| H400                    | Very toxic to aquatic life.   |
| H410                    | Very toxic to aquatic life with long lasting effects.   |
| H412                    | Harmful to aquatic life with long lasting effects.  |

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                                  |
| Skin Sens. 1                        | Skin sensitisation, Category 1   |
| Skin Sens. 1B                       | Skin sensitisation, category 1B  |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

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.