

**Safety Data Sheet**

blomus

according to Regulation (EC) No 1907/2006

**Soft Linen**

Revision date: 18.09.2023

Product code: blomus-005

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

Soft Linen

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

perfumed candle

**Uses advised against**

The product is only to be used for the intended application.

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

|                 |                     |                             |
|-----------------|---------------------|-----------------------------|
| Company name:   | blomus GmbH         |                             |
| Street:         | Zur Hubertushalle 4 |                             |
| Place:          | D-59846 Sundern     |                             |
| Telephone:      | +49 2933 831 0      | Telefax: +49 2933 831 201   |
| E-mail:         | info@blomus.com     |                             |
| Contact person: | Martin Brüggemann   | Telephone: +49 2933 831 102 |
| E-mail:         | info@blomus.com     |                             |
| Internet:       | www.blomus.com      |                             |

**1.4. Emergency telephone number:**

+353 1 8092566 (Healthcare Professionals) +353 1 8092166 (consumer | 8am – 10pm | 7 days a week)

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

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****Regulation (EC) No 1272/2008****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P501 Do not discard content with household waste and forward for disposal according to regional/national guidelines.

**Special labelling of certain mixtures**

EUH208 Contains TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, HEXYL CINNAMAL, LINALYL ACETATE, LINALOOL, METHYLENEDIOXYPHENYL METHYLPROPANAL, D-LIMONENE, ISOEUGENOL. May produce an allergic reaction.

**Additional advice on labelling**

The candle is labeled in accordance with the DIN EN 15494 / DIN EN 16740.

**2.3. Other hazards**

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The mixture contains the following substances fulfilling the PBT criteria according to REACH, annex XIII: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES); 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCb) (HEXAMETHYLINDANOPYRAN).

The mixture contains the following substances fulfilling the vPvB criteria according to REACH, annex XIII: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES); 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCb) (HEXAMETHYLINDANOPYRAN).

Endocrine disrupting properties: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES);

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCb) (HEXAMETHYLINDANOPYRAN).

With correct and intended use no harmful effects are expected.

The molten liquid product has high temperatures and is therefore a risk of burns to eyes and skin.

In case of improper use and high smoke concentrations, the product can cause eye and skin irritation.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Wax mixture with other fragrances at concentrations below the cut-off values.

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## Hazardous components

| CAS No      | Chemical name   | Quantity      |
|-------------|---|---------------|
|             | EC No   |               |
|             | Index No  |               |
|             | REACH No  |               |
|             | Classification (Regulation (EC) No 1272/2008)   |               |
| 54464-57-2  | 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)                   | 0.5 - < 1 %   |
|             | 259-174-3   |               |
|             | Skin Irrit. 2, Skin Sens. 1B, Aquatic Chronic 1; H315 H317 H410   |               |
| 165184-98-5 | (E)-2-benzylideneoctanal (HEXYL CINNAMAL)   | 0.5 - < 1 %   |
|             | 639-566-4   |               |
|             | Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 2; H317 H400 H411  |               |
| 115-95-7    | linalyl acetate (LINALYL ACETATE)   | 0.1 - < 0.5 % |
|             | 204-116-4   |               |
|             | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B; H315 H319 H317  |               |
| 78-70-6     | linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (LINALOOL)  | 0.1 - < 0.5 % |
|             | 201-134-4   | 603-235-00-2  |
|             | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B; H315 H319 H317  |               |
| 1222-05-5   | 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (HEXAMETHYLINDANOPYRAN)                          | 0.1 - < 0.5 % |
|             | 214-946-9   | 603-212-00-7  |
|             | Aquatic Acute 1, Aquatic Chronic 1; H400 H410   |               |
| 1205-17-0   | a-methyl-1,3-benzodioxole-5-propionaldehyde (METHYLENEDIOXYPHENYL METHYLPROPANAL)   | <0,3 %        |
|             | 214-881-6   |               |
|             | Repr. 2, Skin Sens. 1B, Aquatic Chronic 2; H361 H317 H411   |               |
| 5989-27-5   | (R)-p-mentha-1,8-diene; d-limonene (D-LIMONENE)   | 0.1 - < 0.5 % |
|             | 227-813-5   | 601-096-00-2  |
|             | Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 3; H226 H315 H317 H304 H400 H412          |               |
| 97-54-1     | isoeugenol (ISOEUGENOL)   | <0,01 %       |
|             | 202-590-7   | 604-094-00-X  |
|             | Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1A, STOT SE 3; H332 H312 H302 H315 H319 H317 H335 |               |

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

## Specific Conc. Limits, M-factors and ATE

| CAS No    | EC No     | Chemical name  | Quantity      |
|-----------|-----------|--|---------------|
|           |           | Specific Conc. Limits, M-factors and ATE   |               |
| 5989-27-5 | 227-813-5 | (R)-p-mentha-1,8-diene; d-limonene (D-LIMONENE)  | 0.1 - < 0.5 % |
|           |           | Aquatic Acute 1; H400: M=1   |               |
| 97-54-1   | 202-590-7 | isoeugenol (ISOEUGENOL)  | <0,01 %       |
|           |           | inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg Skin Sens. 1A; H317: >= 0,01 - 100 |               |

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

## General information

First aider: Pay attention to self-protection!

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**After inhalation**

If irritations or allergic reactions should occur as a consequence of handling the product (particularly if large quantities have been inhaled): Keep the person concerned calm and call a medic immediately.

**After contact with skin**

Remove contaminated, saturated clothing immediately.

After skin contact with melted product: 1. quickly cool with water (not ice), 2. burns caused by the melted product must be treated medically.

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

**After contact with eyes**

Remove contact lenses. In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

**After ingestion**

Rinse mouth, spit liquid again. Do NOT induce vomiting. Let water be drunken in little sips (dilution effect).

Seek medical attention if problems persist.

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

Possible irritation in case of eye contact and possible irritation / allergic reactions in case of skin contact.

Improper use can cause burns.

**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**

Co-ordinate fire-fighting measures to the fire surroundings.

Water fog. Foam. BC powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media**

High power water jet.

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

In case of fire may be liberated: Carbon monoxide. Carbon dioxide.

The product is combustible and can promote the spread of fire.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Protective clothing.

**Additional information**

Suppress gases/vapours/mists with water spray jet.

Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

Use water spray jet to protect personnel and to cool endangered containers.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes.

Upon discharge of large quantities: Wear personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

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**For containment**

Remove material mechanically. Treat the recovered material as prescribed in the section on waste disposal.

**For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

When in use in confined, warm rooms: Ensure adequate ventilation.

At the place of work (in production and when refilling): Wear personal protection equipment.

Do not empty into drains; dispose of this material and its container in a safe way.

**Advice on protection against fire and explosion**

The product is combustible and can promote the spread of fire.

**Advice on general occupational hygiene**

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

**Further information on handling**

When using do not eat, drink or smoke.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep only in the original container in a cool, well-ventilated place.

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

Store separately from oxidizing agents.

**Further information on storage conditions**

Protect from sunlight and heat sources. Avoid ignition sources. storage temperature: 10-30°C

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

perfumed candle

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

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## DNEL/DMEL values

| CAS No                 | Substance  |          |                        |
|------------------------|--|----------|------------------------|
| DNEL type              | Exposure route   | Effect   | Value                  |
| 78-70-6                | linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (LINALOOL) |          |                        |
| Worker DNEL, long-term | inhalation   | systemic | 2,8 mg/m <sup>3</sup>  |
| Worker DNEL, acute     | inhalation   | systemic | 16,5 mg/m <sup>3</sup> |
| Worker DNEL, long-term | dermal   | systemic | 2,5 mg/kg bw/day       |
| Worker DNEL, acute     | dermal   | systemic | 5 mg/kg bw/day         |
| 5989-27-5              | (R)-p-mentha-1,8-diene; d-limonene (D-LIMONENE)                  |          |                        |
| Worker DNEL, long-term | inhalation   | systemic | 66,7 mg/m <sup>3</sup> |
| Worker DNEL, long-term | dermal   | systemic | 9,5 mg/kg bw/day       |

## PNEC values

| CAS No   | Substance  |  |
|--|--|--|
| Environmental compartment                        | Value  |  |
| 78-70-6  | linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (LINALOOL) |  |
| Freshwater                                       | 0,2 mg/l   |  |
| Marine water                                     | 0,02 mg/l  |  |
| Freshwater sediment                              | 2,22 mg/kg   |  |
| Marine sediment                                  | 0,222 mg/kg  |  |
| Micro-organisms in sewage treatment plants (STP) | 10 mg/l  |  |
| Soil   | 0,327 mg/kg  |  |
| 5989-27-5  | (R)-p-mentha-1,8-diene; d-limonene (D-LIMONENE)                  |  |
| Freshwater                                       | 0,014 mg/l   |  |
| Marine water                                     | 0,0014 mg/l  |  |
| Freshwater sediment                              | 3,85 mg/kg   |  |
| Marine sediment                                  | 0,385 mg/kg  |  |
| Micro-organisms in sewage treatment plants (STP) | 1,8 mg/l   |  |
| Soil   | 0,763 mg/kg  |  |

## Additional advice on limit values

Currently there are no further exposure limits available.

## 8.2. Exposure controls

## Appropriate engineering controls

Ensure adequate ventilation.

## Individual protection measures, such as personal protective equipment

## Eye/face protection

Under normal usage conditions, not necessary.

At the place of work (in production and when refilling): Eye glasses with side protection

## Hand protection

Within the recommended use no hand protection is required, as the product does not come into contact with skin.

At the place of work (in production and when refilling):

Protective gloves according to EN 374. Glove material: nitrile rubber / NBR (layer thickness  $\geq$  0,5mm, penetration time: >8h)

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. For special purposes, it is recommended to check the resistance to chemicals of the protective

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gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Under normal usage conditions, not necessary.

At the place of work (in production and when refilling): Protective clothing.

**Respiratory protection**

Under normal usage conditions, not necessary.

At the place of work (in production and when refilling):

exceeding exposure limit values: gas filtering equipment (EN 141).

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|   |  |                    |
|---|--|--------------------|
| Physical state:   | solid  |                    |
| Colour:   | white  |                    |
| Odour:  | characteristic   |                    |
| Odour threshold:  | No data available.   |                    |
| Melting point/freezing point:                             |  | 46-58 °C           |
| Boiling point or initial boiling point and boiling range: |  | No data available. |
| Flammability:   |  | No data available. |
| Lower explosion limits:                                   |  | No data available. |
| Upper explosion limits:                                   |  | No data available. |
| Flash point:  |  | No data available. |
| Auto-ignition temperature:                                |  | No data available. |
| Decomposition temperature:                                |  | No data available. |
| pH-Value:   |  | No data available. |
| Viscosity / kinematic:                                    |  | No data available. |
| Water solubility:   | The study does not need to be conducted because the substance is known to be insoluble in water. |                    |
| Solubility in other solvents                              | No data available.   |                    |
| Dissolution rate:   |  | No data available. |
| Partition coefficient n-octanol/water:                    |  | No data available. |
| Dispersion stability:                                     |  | No data available. |
| Vapour pressure:  |  | No data available. |
| Vapour pressure:  |  | No data available. |
| Density:  |  | No data available. |
| Relative density:   |  | No data available. |
| Bulk density:   |  | No data available. |
| Relative vapour density:                                  |  | No data available. |
| Particle characteristics:                                 |  | No data available. |

**9.2. Other information****Information with regard to physical hazard classes**

Explosive properties

No data available.

Self-ignition temperature

Solid:

No data available.

Gas:

No data available.

Oxidizing properties

No data available.

**Other safety characteristics**

Solvent separation test:

No data available.

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Solidification point:: No data available.  
 Viscosity / dynamic: No data available.  
 Flow time: No data available.

#### Further Information

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactivity under regular conditions.

### 10.2. Chemical stability

The product is stable under normal environmental conditions (room temperature).

### 10.3. Possibility of hazardous reactions

No dangerous reactions to be expected if used properly.

### 10.4. Conditions to avoid

During storage and production: contact with heat sources and open flames should be avoided.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

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

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No  | Chemical name           |                |         |        |        |
|---------|-------------------------|----------------|---------|--------|--------|
|         | Exposure route          | Dose           | Species | Source | Method |
| 97-54-1 | isoeugenol (ISOEUGENOL) |                |         |        |        |
|         | oral                    | ATE 500 mg/kg  |         |        |        |
|         | dermal                  | ATE 1100 mg/kg |         |        |        |
|         | inhalation vapour       | ATE 11 mg/l    |         |        |        |
|         | inhalation dust/mist    | ATE 1,5 mg/l   |         |        |        |

#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

In case of improper use and high smoke concentrations, the product can cause eye and skin irritation.

#### Sensitising effects

Contains TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, HEXYL CINNAMAL, LINALYL ACETATE, LINALOOL, METHYLENEDIOXYPHENYL METHYLPROPANAL, D-LIMONENE, ISOEUGENOL. May produce an allergic reaction.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.



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**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**11.2. Information on other hazards****Endocrine disrupting properties**

Endocrine disrupting properties: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES);  
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)  
(HEXAMETHYLINDANOPYRAN).

**SECTION 12: Ecological information****12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**Partition coefficient n-octanol/water**

| CAS No    | Chemical name  | Log Pow |
|-----------|--|---------|
| 78-70-6   | linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (LINALOOL) | 2,9     |
| 5989-27-5 | (R)-p-mentha-1,8-diene; d-limonene (D-LIMONENE)                  | 4,38    |

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

The mixture contains the following substances fulfilling the PBT criteria according to REACH, annex XIII: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES); 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (HEXAMETHYLINDANOPYRAN).

The mixture contains the following substances fulfilling the vPvB criteria according to REACH, annex XIII: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES); 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (HEXAMETHYLINDANOPYRAN).

**12.6. Endocrine disrupting properties**

Endocrine disrupting properties: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES);  
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)  
(HEXAMETHYLINDANOPYRAN).

**12.7. Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not dispose of residual product with household waste and do not empty into the sink or toilet.

Dispose of waste according to applicable legislation.

According to the European Waste Catalogue (EWC), allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

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#### List of Wastes Code - contaminated packaging

150101 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); paper and cardboard packaging

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.  
Recommended cleaning agent: Water (with cleaning agent)

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

No special precautions known.

#### 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 regulatory information

Restrictions on use (REACH, annex XVII):

Entry 75

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

##### Additional information

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable  
Regulation (EC) No. 648/2004 [Detergents regulation]: not applicable  
Regulation (EC) No 850/2004 on persistent organic pollutants: not applicable  
Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: This mix contains no chemicals that are subject to the export notification procedures

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(annex 1).

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**Additional information**

Observe in addition any national regulations!

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 2,6,8,9,12,13,16.

Version 1,00 - 29.08.2018 - first creation

Version 1,01 - 28.02.2020 - changes in section 3

Version 1,02 - 18.02.2022 - General update

Version 1,03 - 18.09.2023 - General update

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**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 BImSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act  
 CAS: Chemical Abstracts Service  
 DIN: Norm of the Deutsche Institut für Normung (German Institute for Standardization)  
 EC: Effective Concentration  
 EG: European Community (Europäische Gemeinschaft)  
 EN: European Norm  
 IATA: International Air Transport Association  
 IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk  
 ICAO: International Civil Aviation Organization  
 IMDG: International Maritime Code for Dangerous Goods  
 ISO: Norm of the International Standards Organization  
 CLP: Classification, Labeling, Packaging  
 IUCLID: International Uniform Chemical Information Database  
 LC: Lethal concentration  
 LD: Lethal dose  
 log Kow: Octanol/water partition coefficient  
 MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships  
 OECD: Organisation for Economic Co-operation and Development  
 PBT: Persistent, bio-cumulative, toxic  
 RID: Regulation Concerning the International Transport of Dangerous Goods by Rail  
 TRGS: Technische Regeln für Gefahrstoffe  
 UN: United Nations  
 VOC: Volatile Organic Compounds  
 vPvB: very persistent and very bio-cumulative  
 VwVwS: Administrative Regulation for Water Pollutants  
 WGK: German Water Hazard Class  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 DNEL: Derived No Effect Level  
 PNEC: Predicted No Effect Concentration  
 TLV: Threshold Limiting Value  
 STOT: Specific Target Organ Toxicity  
 Flam. Liq: Flammable liquid  
 Acute Tox: Acute toxicity  
 Asp. Tox: Aspiration hazard  
 Skin Irrit: Skin irritation  
 Eye Irrit: Eye irritation  
 Skin Sens: Skin sensitisation  
 Repr: Reproductive toxicity  
 STOT SE: Specific target organ toxicity - single exposure  
 Aquatic Acute: Acute aquatic hazard  
 Aquatic Chronic: Chronic aquatic hazard

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Aquatic Chronic 3; H412 | Calculation method       |

**Relevant H and EUH statements (number and full text)**

H226 Flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.

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|        |   |
|--------|---|
| 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.  |
| 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.  |
| EUH208 | Contains TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, HEXYL CINNAMAL, LINALYL ACETATE, LINALOOL, METHYLENEDIOXYPHENYL METHYLPROPANAL, D-LIMONENE, ISOEUGENOL. May produce an allergic reaction. |

**Further Information**

The information given in this safety data sheet is to describe the product's safety regulations. It is not for guaranteeing certain characteristics and is based on today's knowledge. The safety data sheet was generated upon information of pre-suppliers by:

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*