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P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

2.3 Other hazards

- Results of PBT and vPvB assessment
    - PBT:  
Not applicable.
    - vPvB:  
Not applicable.
  - Determination of endocrine-disrupting properties
- \* None of the ingredients is listed.

**SECTION 03: Composition/information on ingredients**

3.1 Substances

**CAS No. Description**

8006-81-3 Cananga odorata (Lam.) Hook. f. et Thomson, forma genuina

- Identification number(s)
- EC number:  
281-092-1

\* Dangerous components:

CAS Number	Description	%
<b>87-44-5</b>	<b>BETA-CARYOPHYLENE</b> EC number: 201-746-1 ⚠ Asp. Tox. 1 - H304; ⚠ Skin Sens. 1B - H317	<b>10,001-20,00</b>
<b>78-70-6</b>	<b>LINALOOL</b> EC number: 201-134-4 ⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1B - H317	<b>5,001-10,00</b>
<b>105-87-3</b>	<b>GERANYL ACETATE</b> EC number: 203-341-5 ⚠ Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Chronic 3 - H412	<b>5,001-10,00</b>
<b>120-51-4</b>	<b>BENZYL BENZOATE</b> EC number: 204-402-9 ⚠ Acute Tox. 4 - H302; ⚠ Aquatic Acute 1 - H400 (M=1), Aquatic Chronic 2 - H411	<b>5,001-10,00</b>
<b>4602-84-0</b>	<b>FARNESOL</b> EC number: 225-004-1 ⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1B - H317	<b>1,001- 5,000</b>
<b>118-58-1</b>	<b>BENZYL SALICYLATE</b> EC number: 204-262-9 ⚠ Skin Sens. 1 - H317; Aquatic Chronic 3 - H412	<b>1,001- 5,000</b>
<b>104-93-8</b>	<b>p-Methylanisole</b> EC number: 203-253-7 ⚠ Acute Tox. 4 - H302, Skin Irrit. 2 - H315; ⚠ Repr. 2 - H361	<b>1,001- 5,000</b>
<b>106-24-1</b>	<b>GERANIOL</b> EC number: 203-377-1	<b>1,001- 5,000</b>

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*	<span style="color: red;">⚠</span> Eye Dam. 1 - H318; <span style="color: red;">⚠</span> Skin Irrit. 2 - H315, Skin Sens. 1 - H317
*	<b>140-11-4 benzyl acetate</b> <span style="float: right;"><b>1,001- 5,000</b></span> EC number: 205-399-7 Aquatic Chronic 3 - H412
*	<b>93-58-3 methyl benzoate</b> <span style="float: right;"><b>1,001- 5,000</b></span> EC number: 202-259-7 <span style="color: red;">⚠</span> Acute Tox. 4 - H302
*	<b>97-53-0 EUGENOL</b> <span style="float: right;"><b>0,101-1,000</b></span> EC number: 202-589-1 <span style="color: red;">⚠</span> Eye Irrit. 2 - H319, Skin Sens. 1B - H317
*	<b>470-82-6 Eucalyptol</b> <span style="float: right;"><b>0,101-1,000</b></span> EC number: 207-431-5 <span style="color: red;">⚠</span> Flam. Liq. 3 - H226; <span style="color: red;">⚠</span> Skin Sens. 1B - H317
*	<b>97-54-1 ISOEUGENOL</b> <span style="float: right;"><b>0,101-1,000</b></span> EC number: 202-590-7 <span style="color: red;">⚠</span> Acute Tox. 4 - H302, Acute Tox. 4 - H312, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1A - H317; Skin Sens. 1A; H317: C >= 0,01 %
*	<b>80-56-8 ALPHA-PINENE</b> <span style="float: right;"><b>0,101-1,000</b></span> EC number: 201-291-9 <span style="color: red;">⚠</span> Asp. Tox. 1 - H304; <span style="color: red;">⚠</span> Flam. Liq. 3 - H226; <span style="color: red;">⚠</span> Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1B - H317
*	<b>106-44-5 P-CRESOL</b> <span style="float: right;"><b>0,101-1,000</b></span> EC number: 203-396-6 <span style="color: red;">⚠</span> Skin Corr. 1B - H314, Eye Dam. 1 - H318; <span style="color: red;">⚠</span> Acute Tox. 3 - H301, Acute Tox. 3 - H311; Aquatic Chronic 3 - H412
*	<b>119-36-8 METHYL SALICYLATE</b> <span style="float: right;"><b>0,101-1,000</b></span> EC number: 204-317-7 <span style="color: red;">⚠</span> Eye Dam. 1 - H318; <span style="color: red;">⚠</span> Acute Tox. 4 - H302, Skin Sens. 1B - H317; <span style="color: red;">⚠</span> Repr. 2 - H361d; Aquatic Chronic 3 - H412

#### SECTION 04: First aid measures

##### 4.1 Description of first aid measures

- General information:  
Seek immediate medical advice.
- After inhalation:  
Supply fresh air and to be sure call for a doctor.
- After skin contact:  
If skin irritation continues, consult a doctor.  
Immediately wash with water and soap and rinse thoroughly.
- After eye contact:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:  
Seek immediate medical advice.
- Information for doctor:

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4.2 Most important symptoms and effects, both acute and delayed  
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

**SECTION 05: Firefighting measures****5.1 Extinguishing media**

- Suitable extinguishing agents:  
CO<sub>2</sub>, sand, extinguishing powder. Do not use water.  
Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents:  
Water with full jet

5.2 Special hazards arising from the substance or mixture  
Formation of toxic gases is possible during heating or in case of fire.

**5.3 Advice for firefighters**

- Protective equipment:  
Do not inhale explosion gases or combustion gases.
- Additional information  
Cool endangered receptacles with water spray.

**SECTION 06: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation  
Keep away from ignition sources.

6.2 Environmental precautions:  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

6.4 Reference to other sections  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**SECTION 07: Handling and storage****7.1 Precautions for safe handling**

Keep receptacles tightly sealed.  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Handle with care. Avoid jolting, friction and impact.

- Information about fire - and explosion protection:  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities  
Storage:

- Requirements to be met by storerooms and receptacles:  
Store only in the original receptacle.  
Prevent any seepage into the ground.  
Use only receptacles specifically permitted for this substance/ product.
- Information about storage in one common storage facility:  
Not required.
- Further information about storage conditions:

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Keep container tightly sealed.  
Protect from heat and direct sunlight.  
Store receptacle in a well ventilated area.

7.3 Specific end use(s)  
No further relevant information available.

### SECTION 08: Exposure controls/personal protection

#### 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:  
Not required.
- Additional information:  
The lists valid during the making were used as basis.

#### 8.2 Exposure controls

- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:  
The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Do not inhale dust / smoke / mist.  
Avoid contact with the skin.
- Respiratory protection:  
Use suitable respiratory protective device in case of insufficient ventilation.  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Protection of hands:  
Protective gloves  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration time of glove material  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- \* • Eye/face protection
- \* • Safety glasses
- \* • Body protection:
- \* • Impervious protective clothing
- \* • Boots

### SECTION 09: Physical and chemical properties

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

##### General Information

<b>Physical state</b>	Fluid
<b>Colour:</b>	light yellow to orange
<b>Odour:</b>	floral
<b>Odour threshold:</b>	Not determined.
<b>Boiling point or initial boiling point and boiling range</b>	Not determined.
<b>Flammability</b>	Not determined.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	88,0 °C    NFT 60-103 CC

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<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Not determined.
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>water:</b>	Not determined.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density:</b>	Not determined.
<b>Relative density</b>	0,9200 0,950 D20/20
<b>Vapour density</b>	Not determined.
<b>9.2 Other information</b>	No further relevant information available.
<b>Appearance:</b>	
<b>Form:</b>	liquid sometimes cloudy
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Auto-ignition temperature:</b>	Not determined.
<b>Explosive properties:</b>	Not determined.
<b>Solvent content:</b>	
<b>Solids content:</b>	0,00 %
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not determined.
<b>Information with regard to physical hazard classes</b>	
<b>Explosives</b>	not applicable
<b>Flammable gases</b>	not applicable
<b>Aerosols</b>	not applicable
<b>Oxidising gases</b>	not applicable
<b>Gases under pressure</b>	not applicable
<b>Flammable liquids</b>	not applicable
<b>Flammable solids</b>	not applicable
<b>Self-reactive substances and mixtures</b>	not applicable
<b>Pyrophoric liquids</b>	not applicable
<b>Pyrophoric solids</b>	not applicable
<b>Self-heating substances and mixtures</b>	not applicable
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	not applicable
<b>Oxidising liquids</b>	not applicable
<b>Oxidising solids</b>	not applicable
<b>Organic peroxides</b>	not applicable
<b>Corrosive to metals</b>	not applicable
<b>Desensitised explosives</b>	not applicable

**SECTION 10: Stability and reactivity**

10.1 Reactivity  
No further relevant information available.

10.2 Chemical stability

10.3 Possibility of hazardous reactions  
No dangerous reactions known.

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10.4 Conditions to avoid  
No further relevant information available.

10.5 Incompatible materials:  
No further relevant information available.

10.6 Hazardous decomposition products:  
Not determined.

### SECTION 11: Toxicological information

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

- Acute toxicity
- LD/LC50 values relevant for classification:

ISO LD/LC

- |   |                  |   |  |
|---|------------------|---|--|
| * | <b>8006-81-3</b> | <b>Cananga odorata (Lam.) Hook. f. et Thomson, forma genuina</b>                                    |  |
|   |                  | Oral, LD50: > 5000 mg/kg (rat) (OECD Guideline 401 (Acute Oral Toxicity))                           |  |
|   |                  | Dermal, LD50: > 5000 mg/kg (Rabbit) (OECD Guideline 402 (Acute Dermal Toxicity))                    |  |
| * | <b>87-44-5</b>   | <b>BETA-CARYOPHYLLENE</b>   |  |
|   |                  | Oral, LD50: > 5000 mg/kg (rat) (Hart and Wong 1971)   |  |
| * | <b>78-70-6</b>   | <b>LINALOOL</b>   |  |
|   |                  | Oral, LD50: 2790 mg/kg (rat)  |  |
|   |                  | Dermal, LD50: 5610 mg/kg (Rabbit)   |  |
| * | <b>105-87-3</b>  | <b>GERANYL ACETATE</b>  |  |
|   |                  | Oral, LD50: >4000 mg/kg (rat) (NTP 1987)  |  |
| * | <b>120-51-4</b>  | <b>BENZYL BENZOATE</b>  |  |
|   |                  | Oral, LD50: 1700 mg/kg (rat)  |  |
|   |                  | Oral, LD50: 3450 mg/kg (mouse) (Bier, 1979)   |  |
|   |                  | Dermal, LD50: 4000 mg/kg (Rabbit)   |  |
| * | <b>4602-84-0</b> | <b>FARNESOL</b>   |  |
|   |                  | Oral, LD50: 20000 mg/kg (rat)   |  |
|   |                  | Dermal, LD50: 15000 mg/kg (rat)   |  |
| * | <b>104-93-8</b>  | <b>p-Methylanisole</b>  |  |
|   |                  | Oral, LD50: 1920 mg/kg (rat)  |  |
| * | <b>140-11-4</b>  | <b>benzyl acetate</b>   |  |
|   |                  | Oral, LD50: 2490 mg/kg (rat) (INRS 2011)  |  |
|   |                  | Dermal, LD50: >5000 mg/kg (Rabbit) (INRS 2011)  |  |
| * | <b>93-58-3</b>   | <b>methyl benzoate</b>  |  |
|   |                  | Oral, LD50: 1177 mg/kg (rat)  |  |
| * | <b>97-53-0</b>   | <b>EUGENOL</b>  |  |
|   |                  | Oral, LD50: 1930 mg/kg (rat)  |  |
| * | <b>470-82-6</b>  | <b>Eucalyptol</b>   |  |
|   |                  | Oral, LD50: 3849 mg/kg (mouse) (Jiao Xu, 2014)  |  |
| * | <b>97-54-1</b>   | <b>ISOEUGENOL</b>   |  |
|   |                  | Oral, LD50: 1560 mg/kg (rat)  |  |
| * | <b>106-44-5</b>  | <b>P-CRESOL</b>   |  |
|   |                  | Oral, LD50: 207 mg/kg (rat)   |  |
|   |                  | Dermal, LD50: 301 mg/kg (Rabbit)  |  |
| * | <b>119-36-8</b>  | <b>METHYL SALICYLATE</b>  |  |
|   |                  | Oral, LD50: 890 mg/kg (ATE)   |  |
|   |                  | Oral, LD50: 887 mg/kg (rat)   |  |
|   |                  | • Primary irritant effect:  |  |
|   |                  | • Skin corrosion/irritation   |  |
|   | <b>8006-81-3</b> | <b>Cananga odorata (Lam.) Hook. f. et Thomson, forma genuina</b>                                    |  |
|   |                  | Irritation of skin, OECD 439: IRRITANT (in vitro) (OECD Guideline 439 - Read Across from Ylang III) |  |
|   |                  | Irritant to skin and mucous membranes.  |  |
|   |                  | Causes skin irritation.   |  |
|   |                  | • Serious eye damage/irritation   |  |
|   | <b>8006-81-3</b> | <b>Cananga odorata (Lam.) Hook. f. et Thomson, forma</b>  |  |

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- genuina**
  - Irritation of eyes, OECD 437 BCOP: NOT CLASSIFIED (in vitro) (OECD Guideline 437 - 2017)
  - Respiratory or skin sensitisation
- 8006-81-3 Cananga odorata (Lam.) Hook. f. et Thomson, forma genuina**
  - Dermal, OECD 429 LLNA: SENSITIZER (mouse) (OECD Guideline 429 - 2006)
- \* **120-51-4 BENZYL BENZOATE**
- \* Sensitisation, NESIL: 59000 ug/cm<sup>2</sup> (human being) (Standard IFRA)
- \* Sensitization possible through skin contact.
- \* • Germ cell mutagenicity
- 8006-81-3 Cananga odorata (Lam.) Hook. f. et Thomson, forma genuina**
  - OECD 471 AMES: NEGATIVE (in vitro) (OECD Guideline 471 - 1997)
- \* **87-44-5 BETA-CARYOPHYLLENE**
- \* OECD 471 AMES: NEGATIVE (in vitro) (Heck and al., 1989)
- \* **78-70-6 LINALOOL**
- \* OECD 471 AMES: NEGATIVE (in vitro) (Letizia and al., 2007)
- \* **105-87-3 GERANYL ACETATE**
- \* OECD 471 AMES: NEGATIVE (in vitro) (NTP 1987)
- \* **120-51-4 BENZYL BENZOATE**
- \* OECD 471 AMES: NEGATIVE (in vitro) (Schunk and al., 1986)
- \* **104-93-8 p-Methylanisole**
- \* OECD 471 AMES: NEGATIVE (in vitro) (RIFM 1984)
- \* **140-11-4 benzyl acetate**
- \* OECD 471 AMES: NEGATIVE (in vitro) (Tennant and al., 1987)
- \* **470-82-6 Eucalyptol**
- \* OECD 471 AMES: NEGATIVE (in vitro) (Haworth, 1983)
- \* • Carcinogenicity
- \* **78-70-6 LINALOOL**
- \* Micronoyau: NEGATIVE (mouse) (in vivo, Letizia and al., 2007)
- \* Micronoyau: NEGATIVE (in vitro) (DiSotto and al., 2011)
- \* **105-87-3 GERANYL ACETATE**
- \* Micronoyau: NEGATIVE (mouse) (in vivo, Shelby 1993)
- \* **104-93-8 p-Methylanisole**
- \* Micronoyau: NEGATIVE (mouse) (RIFM 2018)
- \* • Reproductive toxicity
- \* Not determined.
- \* • STOT-single exposure
- \* Not determined.
- \* • STOT-repeated exposure
- \* Not determined.
- \* • Aspiration hazard
- \* May be fatal if swallowed and enters airways.
- \* May be fatal if swallowed and enters airways.
- \* • Subacute to chronic toxicity:
- \* **87-44-5 BETA-CARYOPHYLLENE**
- \* Oral, NOAEL: 700 mg/kg (rat) (90 days Schmitt 2016)
- \* **78-70-6 LINALOOL**
- \* Oral, NOAEL: 200 mg/kg (rat) (maternal toxicity, Politano and al., 2008)
- \* **104-93-8 p-Methylanisole**
- \* Oral, NOAEL: 100 mg/kg (rat) (28 days, RIFM 2013)
- \* **140-11-4 benzyl acetate**
- \* Oral, NOAEL: 14,5 mg/kg (rat) (2 years, NTP 1993)
- \* • 11.2 Information on other hazards
- \* • Endocrine disrupting properties
- \* None of the ingredients is listed.

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**SECTION 12: Ecological information**

## 12.1 Toxicity

## • Aquatic toxicity:

8006-81-3 Cananga odorata (Lam.) Hook. f. et Thomson, forma  
genuina  
CE50/48h: 11,2 mg/l (daphnia) (OECD Guideline 202 - 2017)  
ErC50(0-72h): 100 mg/l (algae) (OECD Guideline 201 - 2018)

- \* 78-70-6 LINALOOL
- \* LD50: 27,8 mg/l (fish) ((OECD 203) RIFM 1991)
- \* ErC50(0-72h): 156,7 mg/l (algae)
- \* ErC50(0-48h): 59 mg/l (daphnia) ((OECD 202)
- \* 104-93-8 p-Methylanisole
- \* CE50/48h: 17 mg/l (daphnia) (RIFM 2018)
- \* 96h-LC50: 68,2 mg/l (fish) (RIFM 2018)
- \* 140-11-4 benzyl acetate
- \* ErC50(0-72h): 92 mg/l (algae) (RIFM 2017)
- \* ErC50(0-48h): 37 mg/l (daphnia) (RIFM 2011)
- \* 96h-LC50: 4,6 mg/l (fish) (RIFM 1994)

## 12.2 Persistence and degradability

No further relevant information available.

## • Behaviour in environmental systems:

Not determined.

## 12.3 Bioaccumulative potential

No further relevant information available.

## 12.4 Mobility in soil

No further relevant information available.

## 12.5 Results of PBT and vPvB assessment

- PBT:  
Not applicable.
- vPvB:  
Not applicable.

## 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

## 12.6 Other adverse effects

No further relevant information available.

- Ecotoxicological effects:  
Not determined.
- Remark:  
Harmful to fish
- \* • Additional ecological information:
- \* • General notes:  
Harmful to aquatic organisms
- \* • The material is harmful to the environment.

**SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

- Recommendation  
Must be specially treated adhering to official regulations.
- Uncleaned packaging:
- Recommendation:  
Disposal must be made according to official regulations.

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### SECTION 14: Transport information

- 14.1 UN number or ID number
- \* . **ADR** Not classified
  - \* . **IMDG** Not classified
  - \* . **IATA** Not classified

- 14.2 UN proper shipping name
- \* . **ADR** Not classified
  - \* . **IMDG** Not classified
  - \* . **IATA** Not classified

- 14.3 Transport hazard class(es)
- \* . **ADR**
  - \* . **Class** Not classified
  - \* . **IMDG**
  - \* . **Class** Not classified
  - \* . **IATA**
  - \* . **Class** Not classified

- 14.4 Packing group
- \* . **ADR** Not classified
  - \* . **IMDG** Not classified
  - \* . **IATA** Not classified

14.5 Environmental hazards:  
Not applicable.

14.6 Special precautions for user  
Not applicable.

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
- \* • DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II  
None of the ingredients is listed.
  - \* • REGULATION (EU) 2019/1148  
• Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))  
None of the ingredients is listed.
  - \* • Annex II - REPORTABLE EXPLOSIVES PRECURSORS  
None of the ingredients is listed.
  - \* • Regulation (EC) No 273/2004 on drug precursors  
None of the ingredients is listed.
  - \* • Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors  
None of the ingredients is listed.
  - \* • National regulations:
  - \* • Technical instructions (air):
  - \* • Class Share in %  
I 0,17
  - \* • Waterhazard class:  
Generally not hazardous for water.

15.2 Chemical safety assessment:  
A Chemical Safety Assessment has not been carried out.

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**SECTION 16: Other information**

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document.

The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

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- Relevant phrases

- |   |       |  |
|---|-------|--|
| * | H226  | Flammable liquid and vapour.                         |
| * | H301  | Toxic if swallowed.                                  |
| * | H302  | Harmful if swallowed.                                |
| * | H304  | May be fatal if swallowed and enters airways.        |
| * | H311  | Toxic in contact with skin.                          |
| * | H312  | Harmful in contact with skin.                        |
| * | H314  | Causes severe skin burns and eye damage.             |
| * | H315  | Causes skin irritation.                              |
| * | H317  | May cause an allergic skin reaction.                 |
| * | H318  | Causes serious eye damage.                           |
| * | H319  | Causes serious eye irritation.                       |
| * | H361  | Suspected of damaging fertility or the unborn child. |
| * | H361d | Suspected of damaging the unborn child.              |
| * | H400  | Very toxic to aquatic life.                          |
| * | H411  | Toxic to aquatic life with long lasting effects.     |
| * | H412  | Harmful to aquatic life with long lasting effects.   |

- Training hints

Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.

- Abbreviations and acronyms:

IFRA: International Fragrance Association IOFI: International Organization of the Flavor Industry  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organisation  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative

- Sources

IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information

- \* Data compared to the previous version altered.