

1680705

Reviewed on: 29.07.2025  
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## SECTION 01: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

- Trade name:  
PERU EAL RESINOID
- Article number:  
P00544110000
- CAS Number:  
8007-00-9
- EC Number:  
947-269-9
- No CAS EINECS:  
-
- Registration number  
01-2120763167-50-0001

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

Application of the substance / the preparation

Perfume ingredient

Only for industrial use

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

Manufacturer/Supplier:

BIOLANDES, BP2                      TEL: +33(0)5.58.51.00.00  
2760 Route de Bélis                  email: fds@biolandes.com  
40420 LE SEN  
FRANCE

### 1.4 Emergency telephone number:

FR-ORFILA (INRS):+33(0)1 45 42 59 59

## SECTION 02: Hazards identification

### 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008



GHS05

Eye Dam. 1 - H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 - H315 Causes skin irritation.

Skin Sens. 1 - H317 May cause an allergic skin reaction.



GHS08

STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.



GHS09

Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms

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GHS05    GHS07    GHS08    GHS09

- Signal word  
Danger
- Hazard statements  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
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
8007-00-9	Myroxylon balsamum var. pereirae (Royle) Harms

- Identification number(s)
- EC number:  
947-269-9

- Dangerous components:

	CAS Number		%
*	120-51-4	<b>BENZYL BENZOATE</b>	<b>20,001-50,00</b>
		EC number: 204-402-9	
		⚠ Acute Tox. 4 - H302; ⚠ Aquatic	
*		Acute 1 - H400 (M=1), Aquatic Chronic 2 -	
*		H411	
*	103-41-3	<b>BENZYL CINNAMATE</b>	<b>20,001-50,00</b>
*		EC number: 203-109-3	
*		⚠ Skin Sens. 1B - H317; ⚠ Aquatic	
*		Chronic 2 - H411	
*	65-85-0	<b>Benzoic acid</b>	<b>5,001-10,00</b>
*		EC number: 200-618-2	
*		⚠ Eye Dam. 1 - H318; ⚠ STOT RE 1 -	
*		H372; ⚠ Skin Irrit. 2 - H315	
*	7212-44-4	<b>Nerolidol (isomer unspecified)</b>	<b>1,001- 5,000</b>
*		EC number: 230-597-5	
*		⚠ Eye Irrit. 2 - H319, Skin Sens. 1B -	
*		H317; ⚠ Aquatic Acute 1 - H400 (M=1),	
*		Aquatic Chronic 1 - H410 (M=1)	
*	100-51-6	<b>BENZYL ALCOHOL</b>	<b>0,101-1,000</b>

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*		EC number: 202-859-9	
*		⚠ Acute Tox. 4 - H302, Acute Tox. 4 -	
*		H312, Eye Irrit. 2 - H319, Skin Sens. 1B -	
*		H317	
*	<b>97-54-1</b>	<b>ISOEUGENOL</b>	<b>0,010-0,100</b>
*		EC number: 202-590-7	
*		⚠ Acute Tox. 4 - H302, Acute Tox. 4 -	
*		H312, Acute Tox. 4 - H332, Skin Irrit. 2 -	
*		H315, Eye Irrit. 2 - H319, Skin Sens. 1A -	
*		H317;	
*		Skin Sens. 1A; H317: C >= 0,01 %	
*	<b>104-55-2</b>	<b>CINNAMAL</b>	<b>0,001-0,010</b>
*		EC number: 203-213-9	
*		⚠ Acute Tox. 4 - H312, Skin Irrit. 2 -	
*		H315, Eye Irrit. 2 - H319, Skin Sens. 1A -	
*		H317; Aquatic Chronic 3 - H412	
*		Skin Sens. 1A; H317: C >= 0,01 %	

#### SECTION 04: First aid measures

##### 4.1 Description of first aid measures

- General information:  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.  
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.  
Immediately rinse with water.
- 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:

##### 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:  
Mount respiratory protective device.  
Do not inhale explosion gases or combustion gases.
- Additional information

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Cool endangered receptacles with water spray.

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### SECTION 06: Accidental release measures

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

Mount respiratory protective device.  
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:  
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

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- Wash hands before breaks and at the end of work.  
Store protective clothing separately.  
Do not inhale gases / fumes / aerosols.  
Do not inhale dust / smoke / mist.  
Avoid contact with the skin.  
Avoid contact with the eyes.
- **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>	Liquid
<b>Colour:</b>	dark red-brown
<b>Odour:</b>	balsamic
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	< -20,0 °C
<b>Boiling point or initial boiling point and boiling range</b>	250,0 °C
<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>	154,0 °C    NFT 60-103 CC
<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>	1,1570 20°C
<b>Vapour density</b>	Not determined.

**9.2 Other information**      No further relevant information available.

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<b>Appearance:</b>	
<b>Form:</b>	viscous
<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.
- 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

**8007-00-9 Myroxylon balsamum var. pereirae (Royle) Harms**  
Oral, LD50: >5000 mg/kg (rat) (OECD 401 similar 1971)

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- \* **120-51-4 BENZYL BENZOATE**  
Oral, LD50: 1700 mg/kg (rat)  
Oral, LD50: 3450 mg/kg (mouse) (Bier, 1979)  
Dermal, LD50: 4000 mg/kg (Rabbit)
- \* **103-41-3 BENZYL CINNAMATE**  
Oral, LD50: 3280 mg/kg (rat) (Wolven 1972)
- \* **65-85-0 Benzoic acid**  
Oral, LD50: 2565 mg/kg (rat) (OECD SIDS 2001)  
Dermal, LD50: >2000 mg/kg (Rabbit) (Opdyke 1973)  
Inhalative, LC50/4h: >4,178 mg/l (rat) (Bayer AG 1990)
- \* **7212-44-4 Nerolidol (isomer unspecified)**  
Oral, LD50: >5000 mg/kg (rat) (RIFM 1973)  
Oral, LD50: 9626 mg/kg (mouse) (RIFM 1967)  
Dermal, LD50: >5000 mg/kg (Rabbit) (RIFM 1973)
- \* **100-51-6 BENZYL ALCOHOL**  
Oral, LD50: 1200 mg/kg (ATE)  
Oral, LD50: 1230 mg/kg (rat)  
Dermal, LD50: 2000 mg/kg (Rabbit)  
Inhalative, LC50/4h: >12 mg/l (rat) (CIR assessment 2017)
- \* **97-54-1 ISOEUGENOL**  
Oral, LD50: 1560 mg/kg (rat)
- \* **104-55-2 CINNAMAL**  
Oral, LD50: 2220 mg/kg (rat)
- Primary irritant effect:
- Skin corrosion/irritation
- \* **65-85-0 Benzoic acid**  
Irritation of skin, OECD 404 DRAIZE: NOT CLASSIFIED (guinea Pig) (OCDE SIDS 2001)  
Irritant to skin and mucous membranes.  
Causes skin irritation.
- Serious eye damage/irritation
- \* **7212-44-4 Nerolidol (isomer unspecified)**  
Irritation of eyes, OECD 405 DRAIZE: NOT CLASSIFIED (Rabbit) (RIFM 1967)
- \* **100-51-6 BENZYL ALCOHOL**  
Irritation of eyes, OECD 405 DRAIZE: IRRITANT (Rabbit) (CIR assessment 2017)  
Strong irritant with the danger of severe eye injury.  
Causes serious eye damage.
- Respiratory or skin sensitisation
- \* **120-51-4 BENZYL BENZOATE**  
Sensitisation, NESIL: 59000 ug/cm2 (human being) (Standard IFRA)
- \* **100-51-6 BENZYL ALCOHOL**  
Sensitisation, NESIL: 5900 ug/cm2 (human being) (IFRA STANDARD)
- \* **104-55-2 CINNAMAL**  
Dermal, OECD 429 LLNA: SENSITIZER (mouse) (EC3 1,1%, RIFM 2004)  
Sensitization possible through skin contact.
- Germ cell mutagenicity
- \* **120-51-4 BENZYL BENZOATE**  
OECD 471 AMES: NEGATIVE (in vitro) (Schunk and al., 1986)
- \* **103-41-3 BENZYL CINNAMATE**  
OECD 471 AMES: NEGATIVE (in vitro) (Florin 1980)
- \* **65-85-0 Benzoic acid**  
OECD 471 AMES: NEGATIVE (in vitro) (OCDE SIDS 2001)
- \* **100-51-6 BENZYL ALCOHOL**  
OECD 471 AMES: NEGATIVE (in vitro) (Leifer and al., 1981)  
OECD 476 MLA TK: NOT CLASSIFIED (in vitro) (CHO ; Anderson and al., 1990)
- \* **104-55-2 CINNAMAL**  
OECD 471 AMES: NEGATIVE (in vitro) (NTP 2004)
- Carcinogenicity
- \* **65-85-0 Benzoic acid**  
Micronoyau: NEGATIVE (mouse) (Hayashi and al., 1988)
- \* **104-55-2 CINNAMAL**  
Micronoyau: NEGATIVE (mouse) (NTP 2004)

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- Reproductive toxicity  
Not determined.
- STOT-single exposure  
Not determined.
- STOT-repeated exposure  
May cause damage to organs through prolonged or repeated exposure.
- Aspiration hazard  
Not determined.
- Subacute to chronic toxicity:
- \* **103-41-3 BENZYL CINNAMATE**  
Oral, NOAEL: 500 mg/kg (rat) (19 weeks, Hagan 1967)
- 65-85-0 Benzoic acid**  
Oral, NOAEL: >750 mg/kg (rat) (4 generation study, Kieckebush and Lang 1960)
- 11.2 Information on other hazards
- Endocrine disrupting properties
- \* None of the ingredients is listed.

## SECTION 12: Ecological information

- 12.1 Toxicity**
- Aquatic toxicity:
- 8007-00-9 Myroxylon balsamum var. pereirae (Royle) Harms  
CE50/48h: 3,68 mg/l (daphnia) (calculation)  
ErC50(0-72h): 2,7 mg/l (algae) (calculation)
- 65-85-0 Benzoic acid  
CE50/48h: >100 mg/l (daphnia) (pH 8,4 ; OECD SIDS 2001)  
ErC50(0-72h): >1630 mg/l (algae) (pH 7 ; Bringmann and al., 1977)  
96h-LC50: 47,3 mg/l (fish) (Buzzel and al., 1968)
- \* 104-55-2 CINNAMAL  
ErC50(0-48h): 3,86 mg/l (daphnia) (RIFM 2003)
- \* 96h-LC50: 4,15 mg/l (fish) (RIFM 1993)
- 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.
- 12.7 Other adverse effects**  
No further relevant information available.
- Ecotoxicological effects:  
Not determined.
  - Remark:  
Toxic for fish
  - Additional ecological information:
  - General notes:  
Toxic for aquatic organisms  
The material is harmful to the environment.

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### 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.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

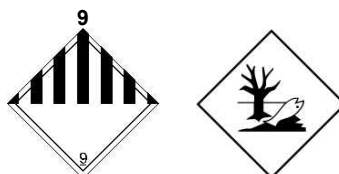
- **ADR** UN3082
- **IMDG** UN3082
- **IATA** UN3082

#### 14.2 UN proper shipping name

- **ADR** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(MYROXYLON BALSAMUM)
- **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(MYROXYLON BALSAMUM)
- **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(MYROXYLON BALSAMUM)

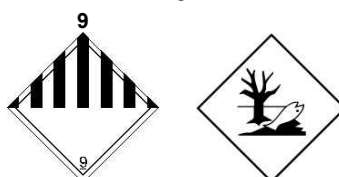
#### 14.3 Transport hazard class(es)

- **ADR**
- **Class** 9 (M6) Miscellaneous dangerous substances and articles.
- **Label**



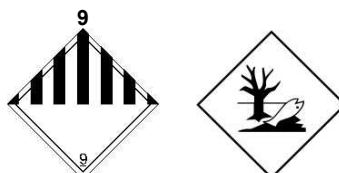
#### • **IMDG**

- **Class** 9 Miscellaneous dangerous substances and articles.
- **Label**



#### • **IATA**

- **Class** 9 Miscellaneous dangerous substances and articles.
- **Label**



#### 14.4 Packing group

- **ADR** III
- **IMDG** III
- **IATA** III

#### 14.5 Environmental hazards:

- **Marine pollutant:** Yes
- **Danger code (Kemler):** 90
- **EMS Number:** F-A,S-F

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14.6 Special precautions for user  
Warning: Miscellaneous dangerous substances and articles.

14.7 Maritime transport in bulk according to IMO instruments  
Not applicable.

- \*
  - Transport/Additional information:
  - **ADR**
  - **Excepted quantities (EQ):** E1
  - **Limited quantities (LQ)** 5L
  - **Transport category** 3
  - **IMDG**
  - **Limited quantities (LQ)** 5L
  - **Excepted quantities (EQ)** E1
  - UN "Model Regulation":  
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MYROXYLON BALSAMUM), 9, III

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- \*
  - PFAS
  - \* None of the ingredients is listed.
  - 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
- Waterhazard class:  
Water hazard class 2 (Self-assessment): hazardous for water.

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

### 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.

- Relevant phrases
  - H302 Harmful if swallowed.
  - H312 Harmful in contact with skin.
  - H315 Causes skin irritation.

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# CHEMICAL SAFETY DATA SHEET

according to 2020/878/EC (1907/2006/EC Article 31)

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- |   |   |
|---|---|
| <p>H317</p> <p>H318</p> <p>H319</p> <p>* H332</p> <p>* H372</p> <p>* H400</p> <p>* H410</p> <p>* H411</p> <p>* H412</p> | <p>May cause an allergic skin reaction.</p> <p>Causes serious eye damage.</p> <p>Causes serious eye irritation.</p> <p>Harmful if inhaled.</p> <p>Causes damage to organs through prolonged or repeated exposure.</p> <p>Very toxic to aquatic life.</p> <p>Very toxic to aquatic life with long lasting effects.</p> <p>Toxic to aquatic life with long lasting effects.</p> <p>Harmful to aquatic life with long lasting effects.</p> |
|---|---|
- 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.
  - \* • Date of previous version:  
19.12.2022
  - \* • Version number of previous version:  
1.00
  - \* • 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.