

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: 300340
 Product name: PRORASO BEARD BALM AZUR LIME
 Other codes: 400371

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

Intended use: Beard care product

| Identified Uses | Industrial | Professional | Consumer |
|----------------------|------------|--------------|----------|
| Cosmetic product | - | - | ✓ |
| Intermediate bulk | ✓ | - | - |
| Uses Advised Against | | | |

Any use not specified in this section or in section 7.3

1.3. Details of the supplier of the safety data sheet

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responsible for the Safety Data Sheet: ludovico_martelli@proraso.com
 Supplier: Ludovico Martelli S.p.A.

1.4. Emergency telephone number

For urgent inquiries refer to

CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA Roma - Piazza Sant'Onofrio, 4 CAP 00165 - tel. 06-68593726
 Az. Osp. Univ. Foggia Foggia -V.le Luigi Pinto, 1 CAP 71122 - tel. 800183459
 Az. Osp. "A. Cardarelli" Napol - Via A. Cardarelli, 9 CAP 80131 - tel. 081-5453333
 CAV Policlinico "Umberto I" Roma - V.le del Policlinico, 155 CAP 00161 - tel. 06-49978000
 CAV Policlinico "A. Gemelli" Roma - Largo Agostino Gemelli, 8 CAP 00168 - tel. 06-3054343
 Az. Osp. "Careggi" U.O. Tossicologia Medica Firenze - Largo Brambilla, 3 CAP 50134 - tel. 055-7947819
 CAV Centro Nazionale di Informazione Tossicologica Pavia - Via Salvatore Maugeri, 10 CAP 27100 - tel. 0382-24444
 Osp. Niguarda Ca' Granda Milano - Piazza Ospedale Maggiore,3 CAP 20162 - tel. 02-66101029
 Azienda Ospedaliera Papa Giovanni XXII Bergamo - Piazza OMS, 1 CAP 24127 - tel. 800883300
 Azienda Ospedaliera Integrata Verona Verona - Piazzale Aristide Stefani, 1 CAP 37126 - tel. 800011858

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication: --

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal words: --

Hazard statements:

EUH210 Safety data sheet available on request.

EUH208 Contains: Lemon, ext., Linalyl acetate, EUCALYPTUS GLOBULUS LEAF OIL, BENZYL ALCOHOL
May produce an allergic reaction.

Precautionary statements: --

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration \geq 0.1%.

SECTION 3. Composition/information on ingredients**3.2. Mixtures**

Contains:

| Identification | x = Conc. % | Classification (EC) 1272/2008 (CLP) |
|-------------------------------------|---------------------|--|
| BENZYL ALCOHOL | | |
| INDEX 603-057-00-5 | $0,5 \leq x < 0,6$ | Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Sens. 1B H317 |
| EC 202-859-9 | | LD50 Oral: 1620 mg/kg |
| CAS 100-51-6 | | |
| REACH Reg. 01-2119492630-38 | | |
| EUCALYPTUS GLOBULUS LEAF OIL | | |
| INDEX - | $0,2 \leq x < 0,25$ | Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411 |
| EC 283-406-2 | | |

300340 - PRORASO BEARD BALM AZUR LIME

CAS 84625-32-1

REACH Reg. 01-2119978250-37

Linalyl acetate

INDEX - 0,15 ≤ x < 0,2 Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317

EC 204-116-4

CAS 115-95-7

REACH Reg. 01-2119454789-19

Lemon, ext.

INDEX - 0,15 ≤ x < 0,2 Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411

EC 284-515-8

CAS 84929-31-7

REACH Reg. 01-2119495512-35

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

No effects requiring implementation of special first aid measures are expected. The following information represents practical indications of correct behaviour in the event of contact with a chemical product, even if not hazardous.

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

Specific information on symptoms and effects caused by the product are unknown.

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

If symptoms occur, whether acute or delayed, consult a doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

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Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

BENZYL ALCOHOL

Predicted no-effect concentration - PNEC

| | | |
|--|-------|-------|
| Normal value in fresh water | 1 | mg/l |
| Normal value in marine water | 0,1 | mg/l |
| Normal value for fresh water sediment | 5,27 | mg/kg |
| Normal value for marine water sediment | 0,527 | mg/kg |
| Normal value for water, intermittent release | 2,3 | mg/l |
| Normal value of STP microorganisms | 39 | mg/l |
| Normal value for the terrestrial compartment | 0,456 | mg/kg |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | VND | 20 mg/kg bw/d | VND | 4 mg/kg bw/d | | | | |
| Inhalation | | 27 mg/m3 | | 5,4 mg/m3 | | 110 mg/m3 | | 22 mg/m3 |
| Skin | | 20 mg/kg bw/d | | 4 mg/kg bw/d | | 40 mg/kg bw/d | | 8 mg/kg bw/d |

EUCALYPTUS GLOBULUS LEAF OIL

Predicted no-effect concentration - PNEC

| | | |
|---|----------|-------|
| Normal value in fresh water | 0,00204 | mg/l |
| Normal value in marine water | 0,000204 | mg/l |
| Normal value for fresh water sediment | 0,665 | mg/kg |
| Normal value for marine water sediment | 0,066 | mg/kg |
| Normal value for marine water, intermittent release | 0,0102 | mg/l |
| Normal value of STP microorganisms | 10 | mg/l |
| Normal value for the food chain (secondary poisoning) | 20 | mg/kg |
| Normal value for the terrestrial compartment | 0,134 | mg/kg |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | | 0,5 mg/kg bw/d | | | | |
| Inhalation | | | | 0,870 mg/m3 | | | | 3,52 mg/m3 |
| Skin | | | | 0,5 mg/kg bw/d | | | | 1 mg/kg bw/d |

Lemon, ext.

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Predicted no-effect concentration - PNEC

| | | |
|--|---------|-------|
| Normal value in fresh water | 0,0054 | mg/l |
| Normal value in marine water | 0,00054 | mg/l |
| Normal value for fresh water sediment | 1,3 | mg/kg |
| Normal value for marine water sediment | 0,13 | mg/kg |
| Normal value for water, intermittent release | 0,00577 | mg/l |
| Normal value of STP microorganisms | 2,1 | mg/l |
| Normal value for the terrestrial compartment | 0,29 | mg/kg |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | Effects on workers | | | | |
|-------------------|----------------------|----------------|---------------|--------------------|-------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | | 3,33 mg/kg bw/d | | | | |
| Inhalation | | | | 5,8 mg/m3 | | | | 23,3 mg/m3 |
| Skin | | | | 3,33 mg/kg bw/d | | | | 6,67 mg/kg bw/d |

Linalyl acetate

Predicted no-effect concentration - PNEC

| | | |
|---|--------|---------|
| Normal value in fresh water | 0,011 | mg/l |
| Normal value in marine water | 0,0011 | mg/l |
| Normal value for fresh water sediment | 0,609 | mg/kg/d |
| Normal value for marine water sediment | 0,0609 | mg/kg/d |
| Normal value for marine water, intermittent release | 0,11 | mg/l |
| Normal value of STP microorganisms | 1 | mg/l |
| Normal value for the terrestrial compartment | 0,115 | mg/kg/d |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | Effects on workers | | | | |
|-------------------|----------------------|----------------|---------------|--------------------|--------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | | 0,2 mg/kg bw/d | | | | |
| Inhalation | | | | 0,680 mg/m3 | | | | 2,75 mg/m3 |
| Skin | 0,236 mg/cm2 | | 0,236 mg/cm2 | 1,25 mg/kg bw/d | 0,236 mg/cm2 | | 0,236 mg/cm2 | 2,5 mg/kg bw/d |

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

RESPIRATORY PROTECTION

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

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

| Properties | Value | Information |
|--|-------------------------------|--|
| Appearance | emulsion | |
| Colour | yellowish | |
| Odour | characteristic | |
| Melting point / freezing point | not available | |
| Initial boiling point | not available | |
| Flammability | not available | |
| Lower explosive limit | not available | |
| Upper explosive limit | not available | |
| Flash point | > 60 °C | |
| Auto-ignition temperature | not available | |
| Decomposition temperature | not available | |
| pH | 3.80-5.00 | Concentration: 100 % Temperature: 20 °C |
| Kinematic viscosity | not available | |
| Solubility | not available | |
| Partition coefficient: n-octanol/water | not available | |
| Vapour pressure | not available | |
| Density and/or relative density | 0.990-1.010 g/cm ³ | Temperature: 20 °C |
| Relative vapour density | not available | |
| Particle characteristics | not applicable | |

9.2. Other information**9.2.1. Information with regard to physical hazard classes**

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU) 1,13 %

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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Information not available

Interactive effects

Information not available

ACUTE TOXICITY

| | |
|----------------------------------|---|
| ATE (Inhalation) of the mixture: | Not classified (no significant component) |
| ATE (Oral) of the mixture: | Not classified (no significant component) |
| ATE (Dermal) of the mixture: | Not classified (no significant component) |

BENZYL ALCOHOL

| | |
|----------------------------------|-----------------------|
| LD50 (Oral): | 1620 mg/kg ratto |
| LC50 (Inhalation mists/powders): | > 4,178 mg/l/4h ratto |

EUCALYPTUS GLOBULUS LEAF OIL

| | |
|----------------|---------------------|
| LD50 (Dermal): | > 5000 mg/kg rabbit |
| LD50 (Oral): | 3320 mg/kg mouse |

Lemon, ext.

| | |
|----------------|-----------------------|
| LD50 (Dermal): | > 5000 mg/kg coniglio |
|----------------|-----------------------|

Linalyl acetate

| | |
|----------------|---------------------|
| LD50 (Dermal): | 5000 mg/kg coniglio |
| LD50 (Oral): | 9000 mg/kg ratto |

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

Lemon, ext.

Linalyl acetate

EUCALYPTUS GLOBULUS LEAF OIL

BENZYL ALCOHOL

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

BENZYL ALCOHOL

| | |
|---|--------------------------------|
| LC50 - for Fish | 460 mg/l/96h |
| EC50 - for Crustacea | 230 mg/l/48h |
| EC50 - for Algae / Aquatic Plants | 770 mg/l/72h |
| Chronic NOEC for Crustacea | 51 mg/l 21 giorni |
| Chronic NOEC for Algae / Aquatic Plants | 310 mg/l 72h tasso di crescita |

Lemon, ext.

| | |
|-----------------------------------|---------------|
| LC50 - for Fish | 5,65 mg/l/96h |
| EC50 - for Crustacea | 1,1 mg/l/48h |
| EC50 - for Algae / Aquatic Plants | 8 mg/l/72h |

Linalyl acetate

| | |
|----------------------|-------------|
| LC50 - for Fish | 11 mg/l/96h |
| EC50 - for Crustacea | 59 mg/l/48h |

12.2. Persistence and degradability

EUCALYPTUS GLOBULUS LEAF OIL

Solubility in water 1,82 mg/l

Rapidly degradable
BENZYL ALCOHOL

Solubility in water 40 g/l

Rapidly degradable
92-96% OECD 301C
Lemon, ext.Rapidly degradable
Linalyl acetate

Solubility in water 30 mg/l

12.3. Bioaccumulative potential

EUCALYPTUS GLOBULUS LEAF OIL

Partition coefficient: n-octanol/water

4,42

BCF

852,9 L/kg ww

BENZYL ALCOHOL

Partition coefficient: n-octanol/water

1,05 Log Kow handbook

BCF

1,37

Linalyl acetate

Partition coefficient: n-octanol/water

3,9

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessmentOn the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.**12.6. Endocrine disrupting properties**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

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

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 40

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances

BENZYL ALCOHOL

EUCALYPTUS GLOBULUS LEAF OIL

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

| | |
|---------------|---------------------------------|
| Flam. Liq. 3 | Flammable liquid, category 3 |
| Acute Tox. 4 | Acute toxicity, category 4 |
| Asp. Tox. 1 | Aspiration hazard, category 1 |
| Eye Irrit. 2 | Eye irritation, category 2 |
| Skin Irrit. 2 | Skin irritation, category 2 |
| Skin Sens. 1 | Skin sensitization, category 1 |
| Skin Sens. 1B | Skin sensitization, category 1B |

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| | |
|--------------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic toxicity, category 2 |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H411 | Toxic to aquatic life with long lasting effects. |
| EUH210 | Safety data sheet available on request. |

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)

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16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)

17. Regulation (EU) 2019/1148

18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)

19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)

20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)

21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)

22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)

23. Delegated Regulation (UE) 2023/707

24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)

24. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)

- The Merck Index. - 10th Edition

- Handling Chemical Safety

- INRS - Fiche Toxicologique (toxicological sheet)

- Patty - Industrial Hygiene and Toxicology

- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

- IFA GESTIS website

- ECHA website

- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

The information contained herein is based on our state of knowledge at the above-specified date. It only provides indications for the correct and safe use, storage, transport and disposal of the product and it constitutes no guarantee of any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

This document complies with Regulation (EU) No. 2020/878 and allows users to correctly and safely manage the bulk product at the industrial level.

Despite finished cosmetic products are explicitly excluded from the provisions of Title IV of Regulation (EC) No. 1907/2006, this document provides all actors in the supply chain with the necessary and most up-to-date information on the correct product use, transport and management, if this is applicable.

We highlight that the information reported in section 2 of this document must not be included in the product labelling, since finished cosmetic products do not fall within the scope of Regulation (EC) No. 1272/2008, but they are labelled in accordance with article 19 of Regulation (EC) No. 1223/2009 and, for aerosol products, with Directive 75/324/EEC and his amendments.

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 04 / 06 / 07 / 08 / 09 / 11 / 12 / 15 / 16.