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: **300339**
Product name **PRORASO BEARD WASH AZUR LIME**
Other codes **400751**

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

Name **LUDOVICO MARTELLI S.P.A.**
Full address **VIA FAENTINA 169/12**
District and Country **50014 FIESOLE (FI)**
ITALIA

Tel. 055 737821

Fax 055 7378290

e-mail address of the competent person

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 classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2	H319	Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms:

Signal words: Warning

Hazard statements:

H319 Causes serious eye irritation.

EUH208 Contains: (R)-P-MENTHA-1,8-DIENE, Mandarin Terpenes, Lemon, ext., Linalyl acetate, BENZYL ALCOHOL
May produce an allergic reaction.

Precautionary statements:

P280 Wear eye protection / face protection.

P337+P313 If eye irritation persists: Get medical advice / attention.

2.3. Other hazards

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

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

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
Ammonium Lauryl Sulfate		

INDEX -	5 ≤ x < 6	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 3 H412
EC 931-558-1		Eye Dam. 1 H318: ≥ 20%, Eye Irrit. 2 H319: ≥ 10% - < 20%
CAS 90583-11-2		ATE Oral: 500 mg/kg
REACH Reg. 01-2119519217-42-0006		
PEG-90 Glyceryl Isostearate		
INDEX	3 ≤ x < 3,5	Aquatic Chronic 3 H412
EC -		
CAS 68958-58-7		
Cocamidopropyl Betaine		
INDEX -	1,5 ≤ x < 2	Eye Dam. 1 H318, Aquatic Chronic 3 H412
EC 931-333-8		Eye Dam. 1 H318: ≥ 10%, Eye Irrit. 2 H319: ≥ 4% - < 10%
CAS 147170-44-3		
REACH Reg. 01-2119489410-39		
LAURETH-3		
INDEX -	0,45 ≤ x < 0,5	Aquatic Acute 1 H400 M=1, Aquatic Chronic 3 H412
EC 500-213-3		
CAS 68439-50-9		
REACH Reg. 01-2119487984-16		
BENZYL ALCOHOL		
INDEX 603-057-00-5	0,354 ≤ x < 0,404	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		
Linalyl acetate		
INDEX -	0,3 ≤ x < 0,35	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 -	0,3 ≤ x < 0,35	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		
Mandarin Terpenes		
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 284-521-0		
CAS 84929-38-4		
REACH Reg. 01-2120074120-72		
(R)-P-MENTHA-1,8-DIENE		
INDEX 601-096-00-2	0,15 ≤ x < 0,2	Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 3 H412
EC 227-813-5		
CAS 5989-27-5		
REACH Reg. 01-2119529223-47		

DISODIUM EDTA		
INDEX -	0,05 ≤ x < 0,1	Acute Tox. 4 H332, STOT RE 2 H373
EC 205-358-3		ATE Inhalation mists/powders: 1,5 mg/l
CAS 139-33-3		
REACH Reg. 01-2119486775-20		
ACRYLAMIDE		
INDEX 616-003-00-0	0 < x < 0,05	Carc. 1B H350, Muta. 1B H340, Repr. 2 H361f, Acute Tox. 3 H301, Acute Tox. 4 H312, Acute Tox. 4 H332, STOT RE 1 H372, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Classification note according to Annex VI to the CLP Regulation: D
EC 201-173-7		ATE Oral: 100 mg/kg, ATE Dermal: 1100 mg/kg, LC50 Inhalation mists/powders: >12,1 mg/l/1h
CAS 79-06-1		

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

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 eye irritation persists: Get medical advice / attention.

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

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

Regulatory references:

ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2023

Ammonium Lauryl Sulfate

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,13	mg/l
Normal value in marine water	0,013	mg/l
Normal value for fresh water sediment	1,76	mg/kg
Normal value for marine water sediment	0,176	mg/kg
Normal value for marine water, intermittent release	0,305	mg/l
Normal value of STP microorganisms	10	mg/l
Normal value for the food chain (secondary poisoning)	300	mg/kg
Normal value for the terrestrial compartment	0,276	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				16,6 mg/kg bw/d				
Inhalation			0,06 mg/m3	1,5 mg/m3		0,1	0,1 mg/m3	3 mg/m3
Skin				31,25 mg/kg bw/d				62,5 mg/kg bw/d

Cocamidopropyl Betaine

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,013	mg/l
Normal value in marine water	0,0013	mg/l
Normal value for fresh water sediment	14,8	mg/kg
Normal value for marine water sediment	1,48	mg/kg
Normal value of STP microorganisms	3000	mg/l
Normal value for the terrestrial compartment	0,8	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				7,5 mg/kg bw/d				

Inhalation				13,04 mg/m3				44 mg/m3
Skin				7,5 mg/kg bw/d				12,5 mg/kg bw/d

LAURETH-3

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,074	mg/l
Normal value in marine water	0,0074	mg/l
Normal value for fresh water sediment	66,67	mg/kg
Normal value for marine water sediment	6,667	mg/kg
Normal value for water, intermittent release	0,004	mg/l
Normal value of STP microorganisms	10000	mg/l
Normal value for the terrestrial compartment	1	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				25 mg/kg bw/d				
Inhalation				87 mg/m3				294 mg/m3
Skin				1250 mg/kg bw/d				2080 mg/kg bw/d

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

	Effects on consumers				Effects on workers			
Route of exposure	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

Lemon, ext.

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

	Effects on consumers				Effects on workers			
Route of exposure	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

	Effects on consumers				Effects on workers			
Route of exposure	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

(R)-P-MENTHA-1,8-DIENE

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,014	mg/l
Normal value in marine water	0,0014	mg/l
Normal value for fresh water sediment	3,85	mg/kg/d
Normal value for marine water sediment	0,385	mg/kg/d
Normal value of STP microorganisms	1,8	mg/l
Normal value for the food chain (secondary poisoning)	133	mg/kg
Normal value for the terrestrial compartment	0,763	mg/kg/d
Normal value for the atmosphere	NPI	

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				4,8 mg/kg bw/d				
Inhalation		NPI		16,6 mg/m3		NPI		66,7 mg/m3
Skin		NPI		4,8 mg/kg bw/d		NPI		9,5 mg/kg bw/d

Mandarin Terpenes

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/d
Normal value for marine water sediment	0,13	mg/kg/d
Normal value for marine 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/d

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	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	0,0929 mg/cm2			3,33 mg/kg bw/d	0,1858 mg/cm2			6,67 mg/kg bw/d

DISODIUM EDTA

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
OEL	EU	5				Polvere

Predicted no-effect concentration - PNEC

Normal value in fresh water	2,2	mg/l
Normal value in marine water	0,22	mg/l
Normal value for water, intermittent release	1,2	mg/l
Normal value of STP microorganisms	43	mg/l
Normal value for the terrestrial compartment	0,72	mg/kg
Normal value for the atmosphere	NPI	

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				25 mg/kg bw/d				
Inhalation		0,6 mg/m3		1,2 mg/m3		3 mg/m3		1,5 mg/m3

ACRYLAMIDE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLEP	ITA	0,1				SKIN
WEL	GBR	0,1				SKIN
OEL	EU	0,1				
TLV-ACGIH		0,03				INHAL
TLV-ACGIH		0,03				SKIN

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

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.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

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	dense liquid	
Colour	amber	
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	4,50-5,70		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	1,025 - 1,045	g/cm3	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)	0,81 % - < 0.01		g/litre

SECTION 10. Stability and reactivity

10.1. Reactivity

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

ACRYLAMIDE

Decomposes under the effect of heat.Maintaining a temperature of less than 40°C/104°F.Keep away from: oxidising agents,reducing agents,acids,bases.Avoid exposure to: light.

PVC and rubber are resistant.

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.

ACRYLAMIDE

May polymerise on contact with: oxidising agents.May polymerise if exposed to: high temperatures,UV rays.May react violently with: sulphuric acid.

10.4. Conditions to avoid

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

ACRYLAMIDE

Avoid exposure to: UV rays.

10.5. Incompatible materials

ACRYLAMIDE

Incompatible with: basic substances,oxidising agents,reducing agents.Corrodes: carbon steel.

10.6. Hazardous decomposition products

ACRYLAMIDE

May develop: nitric oxide.

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

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:	>2000 mg/kg
ATE (Dermal) of the mixture:	Not classified (no significant component)

Ammonium Lauryl Sulfate

LD50 (Dermal):	> 2000 mg/kg
LD50 (Oral):	1800 mg/kg rat

ATE (Oral):	500 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

PEG-90 Glyceryl Isostearate

LD50 (Oral):	> 2000 mg/kg rat

Cocamidopropyl Betaine

LD50 (Dermal):	> 2000 mg/kg
LD50 (Oral):	2335 mg/kg rat

LAURETH-3

LD50 (Dermal):	3000 mg/rg
LD50 (Oral):	2000 mg/kg
LC50 (Inhalation mists/powders):	> 1,6 mg/l/4h

BENZYL ALCOHOL

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

Lemon, ext.

LD50 (Dermal):	> 5000 mg/kg coniglio

Linalyl acetate

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

(R)-P-MENTHA-1,8-DIENE

LD50 (Dermal):	> 5000 mg/kg rabbit
LD50 (Oral):	2000 mg/kg rat

Mandarin Terpenes

LD50 (Dermal):	> 5000 mg/kg coniglio
LD50 (Oral):	> 5000 mg/kg ratto

DISODIUM EDTA

LD50 (Oral):	> 2800 mg/l rat
LC50 (Inhalation mists/powders):	> 30 mg/l/4h

ACRYLAMIDE

LD50 (Dermal):	1141 mg/kg Rat
ATE (Dermal):	1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
LD50 (Oral):	124 mg/kg Rat
LC50 (Inhalation mists/powders):	> 12,1 mg/l/1h Rat at the concentration of 50,7%

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.
Contains:
(R)-P-MENTHA-1,8-DIENE

Mandarin Terpenes
Lemon, ext.
Linalyl acetate
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

DISODIUM EDTA	
LC50 - for Fish	100 mg/l/96h Lepomis macrochirus
EC50 - for Crustacea	100 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	100 mg/l/72h scenedesmus subspicatus (algae)
LAURETH-3	
LC50 - for Fish	1,2 mg/l/96h
EC50 - for Crustacea	0,53 mg/l/48h
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

(R)-P-MENTHA-1,8-DIENE

LC50 - for Fish	0,72 mg/l/96h
EC50 - for Crustacea	0,307 mg/l/48h
EC50 - for Algae / Aquatic Plants	0,32 mg/l/72h

Cocamidopropyl Betaine

LC50 - for Fish	1,1 mg/l/96h
EC50 - for Crustacea	1,9 mg/l/48h
EC50 - for Algae / Aquatic Plants	> 1,5 mg/l/72h
Chronic NOEC for Fish	0,135 mg/l
Chronic NOEC for Crustacea	> 0,32 mg/l
Chronic NOEC for Algae / Aquatic Plants	0,3 mg/l

PEG-90 Glyceryl Isostearate

LC50 - for Fish	> 100 mg/l/96h
EC50 - for Crustacea	> 10 mg/l/48h
EC50 - for Algae / Aquatic Plants	> 10 mg/l/72h

Ammonium Lauryl Sulfate

LC50 - for Fish	3,6 mg/l/96h
EC50 - for Crustacea	4,7 mg/l/48h
EC50 - for Algae / Aquatic Plants	11 mg/l/72h
Chronic NOEC for Fish	1,357 mg/l
Chronic NOEC for Crustacea	0,508 mg/l
Chronic NOEC for Algae / Aquatic Plants	3 mg/l

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

Mandarin Terpenes

LC50 - for Fish	100 mg/l/96h
EC50 - for Crustacea	8,9 mg/l/48h
EC50 - for Algae / Aquatic Plants	9,7 mg/l/72h

12.2. Persistence and degradability

DISODIUM EDTA

Solubility in water	108 g/l 20°C

LAURETH-3

Solubility in water	1,3 mg/l

Rapidly degradable
BENZYL ALCOHOL

Solubility in water	40 g/l

Rapidly degradable
92-96% OECD 301C
(R)-P-MENTHA-1,8-DIENE

Solubility in water	0,1 - 100 mg/l

Rapidly degradable
ACRYLAMIDE

Solubility in water	> 10000 mg/l

Rapidly degradable
Cocamidopropyl Betaine

Rapidly degradable
Ammonium Lauryl Sulfate

Rapidly degradable
Lemon, ext.

Rapidly degradable
Linalyl acetate

Solubility in water	30 mg/l

Mandarin Terpenes

Rapidly degradable

12.3. Bioaccumulative potential

DISODIUM EDTA

Partition coefficient: n-octanol/water	< -4,3 Log Kow 25°C

LAURETH-3

Partition coefficient: n-octanol/water	5,24 25°C

BENZYL ALCOHOL

Partition coefficient: n-octanol/water	1,05 Log Kow handbook
BCF	1,37

(R)-P-MENTHA-1,8-DIENE

Partition coefficient: n-octanol/water	4,38
BCF	1022

ACRYLAMIDE

Partition coefficient: n-octanol/water	-0,9

Ammonium Lauryl Sulfate

Partition coefficient: n-octanol/water	0,8

Linalyl acetate

Partition coefficient: n-octanol/water	3,9

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ 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. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
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	3 - 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 ≥ 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

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

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

Cocamidopropyl Betaine

BENZYL ALCOHOL

DISODIUM EDTA

SECTION 16. Other information

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

Flam. Liq. 3	Flammable liquid, category 3
Carc. 1B	Carcinogenicity, category 1B
Muta. 1B	Germ cell mutagenicity, category 1B
Repr. 2	Reproductive toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
Asp. Tox. 1	Aspiration hazard, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Eye Dam. 1	Serious eye damage, 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
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H226	Flammable liquid and vapour.
H350	May cause cancer.
H340	May cause genetic defects.
H361f	Suspected of damaging fertility.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs through prolonged or repeated exposure.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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

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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
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- Handling Chemical Safety
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- 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 cometic 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 / 08 / 09 / 11 / 12 / 15 / 16.