

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: 0702190400A / 0702191000A
Product name: MOOD KERATIN SHAMPOO 400/1000ML

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

Identified Uses	Industrial	Professional	Consumer
shampoo	-	✓	-

Uses Advised Against

Do not use other than as indicated.

1.3. Details of the supplier of the safety data sheet

Name: PIDIELLE S.p.A.
Full address: VIA BERGAMINA, 7
District and Country: 20014 NERVIANO (MI)
Italia
Tel. +39 0331 580 166
Fax +39 0331 485 677

e-mail address of the competent person

responsible for the Safety Data Sheet
Supplier: sds@elgoncosmetic.it
PIDIELLE S.p.A.

1.4. Emergency telephone number

For urgent inquiries refer to +39 0331 580 166
Numeri telefonici dei principali Centri Antiveleni italiani (attivi 24/24 ore)
Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)
Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca' Granda - Milano)
Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti - Bergamo)
Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze)
Centro Antiveleni di Roma 06 305434 (CAV Policlinico Gemelli - Roma)
Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma)
Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli)
Centro Antiveleni di Foggia 0881 732326 (Az. Osp. Univ. Foggia)
EU-wide emergency number: 112

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:

Serious eye damage, category 1

H318

Causes serious eye damage.

MOOD KERATIN SHAMPOO

2.2. Label elements

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

Hazard pictograms:



Signal words: Danger

Hazard statements:

H318 Causes serious eye damage.

Precautionary statements:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P280 Wear eye protection / face protection.

P310 Immediately call a POISON CENTER / doctor / . . .

Contains:

Amides, C8-18 (even numbered) and C18-unsatd., N,
N- bis(hydroxyethyl)
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C12-18(even numbered) acyl) derivs.,
hydroxides, inner salts
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner
salts

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)
SODIUM 2- (DODECANOYLOXY) PROPANE-1-SULFONATE		
INDEX -	$7 \leq x < 8$	Eye Irrit. 2 H319
EC 700-150-3		

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CAS 156572-81-5		
REACH Reg. 01-2119401252-59		
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts		
INDEX -	1,5 ≤ x < 2	Eye Dam. 1 H318, Aquatic Chronic 2 H411
EC 939-457-4		
CAS -		
REACH Reg. 01-2119970901-34-xxxx		
Amides, C8-18 (even numbered) and C18-unsatd., N, N- bis(hydroxyethyl)		
INDEX -	1,5 ≤ x < 2	Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 2 H411
EC 931-329-6		
CAS 68603-42-9		
REACH Reg. 01-2119490100-53		
Idrogeno N-(1-ossotetradecil)-L-glutammato di sodio		
INDEX -	1 ≤ x < 1,5	Eye Irrit. 2 H319
EC 253-981-4		
CAS 38517-37-2		
REACH Reg. 01-2120769107-50-0000		
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 andC18-unsatd. acyl) derivs., hydroxides, inner salts		
INDEX	1 ≤ x < 1,5	Eye Dam. 1 H318, Aquatic Chronic 3 H412
EC -		
CAS 147170-44-3		
REACH Reg. 01-2119489410-39		
PARFUM		
INDEX	0,1 ≤ x < 0,15	Repr. 2 H361, Eye Irrit. 2 H319, Skin Irrit. 2 H315
EC		
CAS -		
CYCLOHEXANE		
INDEX 601-017-00-1	0 ≤ x < 0,05	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 203-806-2		
CAS 110-82-7		

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

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Wash contaminated clothing before using it again.
INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

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INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

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

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

Information not available

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)

See the exposure scenarios attached to this safety datasheet.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

ESP	España	Límites de exposición profesional para agentes químicos en España 2023
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

SODIUM 2- (DODECANOYLOXY) PROPANE-1-SULFONATE

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,0141	mg/l
Normal value in marine water	0,00141	mg/l
Normal value for fresh water sediment	0,017	mg/l
Normal value for marine water sediment	0,017	mg/l

Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers			Chronic systemic	Effects on workers		Chronic local	Chronic systemic
	Acute local	Acute systemic	Chronic local		Acute local	Acute systemic		
Inhalation				5,9 mg/m3				11,8 mg/m3
Skin				1,7 mg/kg bw/d				3,3 mg/kg bw/d

1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Predicted no-effect concentration - PNEC		
Normal value in fresh water	7,5	µgr/l
Normal value in marine water	0,75	µgr/l
Normal value for fresh water sediment	0,124	µgr/kg

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Normal value for marine water sediment				12,4		µgr/kg		
Normal value for marine water, intermittent release				21,2		µgr/l		
Normal value for fresh water, intermittent release				2,12		µgr/l		
Normal value of STP microorganisms				100		mg/l		
Normal value for the terrestrial compartment				20,4		µg/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 mg/kg bw/d				
Inhalation				5,2 mg/m3				
Skin				3 mg/kg bw/d				
				21,2 mg/m3				
				6 mg/kg bw/d				
Amides, C8-18 (even numbered) and C18-unsatd., N, N- bis(hydroxyethyl)								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				7		mg/l		
Normal value in marine water				0,7		mg/l		
Normal value for marine water, intermittent release				0,024		mg/l		
Normal value for fresh water, intermittent release				0,024		mg/l		
Normal value of STP microorganisms				830		mg/l		
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				6,25 mg/kg bw/d				
Inhalation				21,73 mg/m3				
Skin				0,056 mg/cm2				
				2,5 mg/kg bw/d				
				0,09 mg/cm2				
				4,16 mg/kg bw/d				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 andC18-unsatd. acyl) derivs., hydroxides, inner salts								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				0,0135		mg/l		
Normal value in marine water				0,00135		mg/l		
Normal value for fresh water sediment				1		mg/kg		
Normal value for marine water sediment				0,1		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				7,5 mg/kg/d				
Inhalation				44 mg/m3				
Skin				7,5 mg/kg/d				
				12,5 mg/kg/d				
CYCLOHEXANE								
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			

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VLA	ESP	700	200		
VLEP	ITA	350	100		
WEL	GBR	350	100	1050	300
OEL	EU	700	200		
TLV-ACGIH		344	100		

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.

When choosing risk management measures and operating conditions, consult the exposure scenarios attached.

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, failure time and permeability.

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.

For information on controlling environmental exposure, see the exposure scenarios attached to this safety datasheet.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Properties	Value	Information
Appearance	viscous liquid	
Colour	from colourless to yellowish	
Odour	characteristic	
Odour threshold	not determined	Reason for missing data:Information not relevant to compliance and use of the product.
Melting point / freezing point	not determined	Reason for missing data:Information not relevant to compliance and use of the product.
Initial boiling point	not available	Reason for missing data:Information not relevant to compliance and use of the product.
Flammability	not available	
Lower explosive limit	not applicable	
Upper explosive limit	not applicable	
Flash point	> 60 °C	
Auto-ignition temperature	not applicable	
Decomposition temperature	not applicable	
pH	5,5 - 6,5	
Kinematic viscosity	2.450 - 4.900	Temperature: 20 °C
Dynamic viscosity	2.500 - 5.000	Temperature: 20 °C
Solubility	not determined	Reason for missing data:Information not relevant to compliance and use of the product.
Partition coefficient: n-octanol/water	not determined	Reason for missing data:Information not relevant to compliance and use of the product.
Vapour pressure	not determined	Reason for missing data:Information not relevant to compliance and use of the product.
Density and/or relative density	1,03 - 1,05 kg/l	Temperature: 20 °C
Relative vapour density	not applicable	
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

Information not available

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

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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.

CYCLOHEXANE

May react violently with: strong oxidants, liquid nitric oxide. Forms explosive mixtures with: air.

10.4. Conditions to avoid

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

10.5. Incompatible materials

CYCLOHEXANE

Incompatible materials: natural rubbers, neoprene, polyvinyl chloride, polyethylene.

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 1272/2008Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

CYCLOHEXANE

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

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

CYCLOHEXANE

Irritating for the skin and mucous membranes, and may be absorbed by the skin; nerve damage can occur at high doses and is largely due to the cyclohexanone, its metabolite.

Interactive effects

CYCLOHEXANE

The substance may enhance the effects of agents such as tri-ortho-cresyl phosphate (TOCP).

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)

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SODIUM 2- (DODECANOYLOXY) PROPANE-1-SULFONATE

LD50 (Dermal): > 2000 mg/kg rat
LD50 (Oral): 8400 mg/kg rat

1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

LD50 (Dermal): > 3000 mg/kg Ratto , maschio e femmina
LD50 (Oral): 2950 mg/kg Ratto , maschio e femmina

Amides, C8-18 (even numbered) and C18-unsatd., N,
N- bis(hydroxyethyl)

LD50 (Dermal): > 2000 mg/kg Rabbit
LD50 (Oral): > 2000 mg/kg Rat

Idrogeno N-(1-ossotetradecil)-L-glutammato di sodio

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

CYCLOHEXANE

LD50 (Dermal): > 2000 mg/kg Rabbit
LD50 (Oral): > 5000 mg/kg Rat
LC50 (Inhalation vapours): 13,9 mg/l/4h Rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

Amides, C8-18 (even numbered) and C18-unsatd., N,
N- bis(hydroxyethyl)

Causes skin irritation.

pH: 9 –
11 (aq, 5%)

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

Amides, C8-18 (even numbered) and C18-unsatd., N,
N- bis(hydroxyethyl)

Causes serious eye damage.

pH: 9 –
11 (aq, 5%)

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Amides, C8-18 (even numbered) and C18-unsatd., N,
N- bis(hydroxyethyl)

Not classified (Based on available data, the classification criteria are not satisfied)

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

Amides, C8-18 (even numbered) and C18-unsatd., N,
N- bis(hydroxyethyl)

Not classified (Based on available data, the classification criteria are not

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satisfied)

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

Amides, C8-18 (even numbered) and C18-unsatd., N,
N- bis(hydroxyethyl)

Not classified (Based on available data, the classification criteria are not satisfied)

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Amides, C8-18 (even numbered) and C18-unsatd., N,
N- bis(hydroxyethyl)

Not classified (Based on available data, the classification criteria are not satisfied)

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Amides, C8-18 (even numbered) and C18-unsatd., N,
N- bis(hydroxyethyl)

Not classified (Based on available data, the classification criteria are not satisfied)

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Amides, C8-18 (even numbered) and C18-unsatd., N,
N- bis(hydroxyethyl)

Not classified (Based on available data, the classification criteria are not satisfied)

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

Amides, C8-18 (even numbered) and C18-unsatd., N,
N- bis(hydroxyethyl)

Not classified (Based on available data, the classification criteria are not satisfied)

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.

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12.1. Toxicity

CYCLOHEXANE

LC50 - for Fish	4,53 mg/l/96h Pimephales promelas
EC50 - for Crustacea	3,89 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	32,7 mg/l/72h Chlorella vulgaris

SODIUM 2- (DODECANOYLOXY)
PROPANE-1-SULFONATE

LC50 - for Fish	29,3 mg/l/96h
EC50 - for Crustacea	14,08 mg/l/48h daphnia
EC50 - for Algae / Aquatic Plants	46,3 mg/l/72h

1-Propanaminium, 3-amino-N-
(carboxymethyl)-N,N-dimethyl-, N-(C8-18
and C18-unsatd. acyl) derivs., hydroxides,
inner salts

LC50 - for Fish	> 1 mg/l/96h Pimephales promelas
EC50 - for Crustacea	> 1 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	> 1 mg/l/72h Desmodesmus subspicatus
Chronic NOEC for Fish	< 1 mg/l Oncorhynchus mykiss
Chronic NOEC for Crustacea	< 1 mg/l Daphnia magna

1-Propanaminium, N-(3-aminopropyl)-2-
hydroxy-N,N-dimethyl-3-sulfo-, N-(C12-
18(even numbered) acyl) derivs., hydroxides,
inner salts

LC50 - for Fish	2,1 mg/l/96h Danio rerio
EC50 - for Crustacea	4 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	2,26 mg/l/72h Skeletonema costatum
Chronic NOEC for Crustacea	1,05 mg/l Daphnia magna
Chronic NOEC for Algae / Aquatic Plants	0,76 mg/l Skeletonema costatum

Idrogeno N-(1-ossotetradecil)-L-glutammato
di sodio

LC50 - for Fish	62,4 mg/l/96h
EC50 - for Crustacea	49 mg/l/48h
EC50 - for Algae / Aquatic Plants	32,56 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	11,25 mg/l

Amides, C8-18 (even numbered) and C18-unsatd., N,
N- bis(hydroxyethyl)

LC50 - for Fish	2,4 mg/l/96h
EC50 - for Crustacea	3,2 mg/l/48h
EC50 - for Algae / Aquatic Plants	3,9 mg/l/72h

12.2. Persistence and degradability

CYCLOHEXANE

Solubility in water	0,1 - 100 mg/l
Rapidly degradable	

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SODIUM 2- (DODECANOYLOXY)

PROPANE-1-SULFONATE

Rapidly degradable

1-Propanaminium, 3-amino-N-

(carboxymethyl)-N,N-dimethyl-, N-(C8-18

andC18-unsatd. acyl) derivs., hydroxides,

inner salts

Rapidly degradable

1-Propanaminium, N-(3-aminopropyl)-2-

hydroxy-N,N-dimethyl-3-sulfo-, N-(C12-

18(even numbered) acyl) derivs., hydroxides,

inner salts

Rapidly degradable

Idrogeno N-(1-ossotetradecil)-L-glutammato

di sodio

Rapidly degradable

Amides, C8-18 (even numbered) and C18-unsatd., N,

N- bis(hydroxyethyl)

Rapidly degradable

12.3. Bioaccumulative potential

CYCLOHEXANE

Partition coefficient: n-octanol/water

3,44

Amides, C8-18 (even numbered) and C18-unsatd., N,

N- bis(hydroxyethyl)

Partition coefficient: n-octanol/water

3,75

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 $\geq$ 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. 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

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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 $\geq$ 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

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

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SECTION 16. Other information

Finished cosmetic products are excluded from EC Regulation 1907/2006 (REACH) as regards the safety data sheet requirements (art. 31 and 32) (2). Finished cosmetic products are completely excluded from the field of application of Regulation 1272/2008 (CLP) (3), as previously established by Directive 1999/45/EC on dangerous preparations (4), and as such are exempt from danger classification and labelling obligations and the provisions relating to safety data sheets [art. 1 (3) (c) of Regulation 1272/2008 and Directive 1999/45].

This Sheet is not to be regarded as a Safety Data Sheet but purely as a hygiene and safety information tool drafted to help employers fulfil the obligations of Leg. Decree 81/08. In fact, professional users are protected by Leg. Decree 81/08 as amended, which obliges employers to carry out a risk assessment for the health and safety of their workers (art. 28 Leg. Decree 81/08). This decree defines (heading IX, art. 222) as dangerous chemical agents not only the substances and mixtures that correspond to the classification criteria of the relevant laws, but also agents that may pose a risk to the health and safety of workers because of their chemical-physical, chemical or toxicological properties and the way in which they are used or present in the workplace, including chemical agents that have been assigned an occupational exposure limit value (art. 222 (1)(b)(3)). More specifically, Regulation 1223/2009 defines the end user as a consumer or professional that uses the cosmetic product (1), making no distinction between these two figures.

1 (EC) Regulation no. 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products, article 2, paragraph 1, letter f.

2 (EC) Regulation no. 1907/2006 of the European Parliament and of the Council of 18 December 2006, concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

3 (EC) Regulation no. 1272/2008 of the European Parliament and of the Council of 16 December 2008 regarding the classification, labelling and packaging of substances and mixtures

4 Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

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

Flam. Liq. 2	Flammable liquid, category 2
Repr. 2	Reproductive toxicity, category 2
Asp. Tox. 1	Aspiration hazard, category 1
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic 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
H225	Highly flammable liquid and vapour.
H361	Suspected of damaging fertility or the unborn child.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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

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- 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)
 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
- 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

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

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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.
Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION
Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.
Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.
Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.