

## ERMIDRA' SHAMPOO

# Safety Data Sheet

According to Annex II to REACH - Regulation 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

Product name **ERMIDRA' SHAMPOO**  
UFI **1300-F0RP-400V-AQJV**

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Intended use **Shampoo for dogs and cats**

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

Name **NEXTMUNE ITALY SRL**  
Full address **Via G.B. Benzoni, 50**  
District and Country **26020 Palazzo Pignano (CR)**  
**ITALIA**  
**Tel. 0373/982024**  
**Fax 0373/982025**

e-mail address of the competent person  
responsible for the Safety Data Sheet **regulatory.it@nextmune.com**

### 1.4. Emergency telephone number

For urgent inquiries refer to  
**Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca` Granda-Milano)**  
**Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri-Pavia)**  
**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 3054343 (CAV Policlinico Gemelli-Roma)**  
**Centro Antiveleni di Roma 06 68593726 (CAV Ospedale Pediatrico Bambino Gesù-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 (CAV Az. Osp. Univ.-Foggia)**

## 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.

Precautionary statements:  
**P280**                                Wear eye protection  
**P337+P313**                      If eye irritation persists: Get medical advice / attention.  
**P102**                                Keep out of reach of children.

### 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

### 3.1. Substances

Information not relevant

### 3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
<b>Alcohols, C12-14, ethoxylated, sulfates, sodium salts</b> CAS 68891-38-3 EC 931-770-4 INDEX - REACH Reg. 01-2119488639-16-xxxx	$4 \leq x < 6$	Eye Dam. 1 H318, Skin Irrit. 2 H315 Eye Dam. 1 H318: $\geq$ 10%, Eye Irrit. 2 H319: $\geq$ 5%
<b>Cocamidopropyl Betaine</b> CAS 147170-44-3 EC 931-333-8 INDEX - REACH Reg. 01-2119489410-39-0000	$2,5 \leq x < 3,5$	Eye Dam. 1 H318, Aquatic Chronic 3 H412 Eye Dam. 1 H318: $\geq$ 10%, Eye Irrit. 2 H319: $\geq$ 4%
<b>Bronopol</b> CAS 52-51-7 EC 200-143-0 INDEX 603-085-00-8 REACH Reg. 01-2119980938-15	$0,05 \leq x < 0,1$	Acute Tox. 3 H301, Acute Tox. 3 H331, Acute Tox. 4 H312, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Acute 1 H400 M=10, Aquatic Chronic 2 H411, EUH044 STA Oral: 100 mg/kg, STA Dermal: 1100 mg/kg, STA Inhalation mists/powders: 0,501 mg/l

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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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

**SKIN:** Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

**INGESTION:** Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

**INHALATION:** Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

**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**

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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)**

No use other than that indicated in section 1.2 of this safety data sheet.

**SECTION 8. Exposure controls/personal protection****8.1. Control parameters**

Information not available

**8.2. Exposure controls**

Comply with the safety measures usually applied when handling chemical substances.

**HAND PROTECTION**

None required.

**SKIN PROTECTION**

None required.

**EYE PROTECTION**

Avoid eye contact. Safety goggles recommended.

**RESPIRATORY PROTECTION**

None required.

**ENVIRONMENTAL EXPOSURE CONTROLS**

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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
Appearance	Viscous liquid
Colour	White - slightly yellowish
Odour	Acidic
Melting point / freezing point	Freezing point: <0 ° C
Initial boiling point	90 ° C
Flammability	Not flammable because it does not contain flammable substances
Lower explosive limit	Not explosive because it does not contain explosive substances
Upper explosive limit	Not explosive because it does not contain explosive substances
Flash point	Not flammable because it does not contain flammable substances
Auto-ignition temperature	Not available
pH (20°C)	5.7-7.2
Kinematic viscosity	3000 cP – 7000 Cp 2/10 rpm
Solubility	Soluble in water
Partition coefficient: n-octanol/water	Not available
Vapour pressure	Not available
Density and/or relative density	950 g/L – 1050 g/L
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

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**

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**

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

**10.5. Incompatible materials**

ALCOHOLS, C12-14, ETHOXYLATES, SULFATATES, SODIUM SALTS: Strong acids and with oxidizing agents.

**10.6. Hazardous decomposition products**

ALCOHOLS, C12-14, ETOXYLATES, SULFATATES, SODIUM SALTS: Hydrolyzes in boiling water. It decomposes on reaction with strong acids, sulfuric acid.

BRONOPOL: nitrogen oxides, carbon oxides, hydrobromic acid.

**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****Data referring to the mixture:**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:

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

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

Does not meet the classification criteria for this hazard class

Respiratory sensitization

Information not available

Skin sensitization

Information not available

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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

Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring

Information not available

Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

**Data referring to the hazardous substances of the mixture:**

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Acute toxicity

Acute oral toxicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): LD50 Rat:> 2.000 - 5.000 mg / kg; OECD Test Guidelines 401 (literature value) Based on available data, the classification criteria are not met.

Acute inhalation toxicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): the examination is not necessary Sufficient information on absorption alternatives is available.

Acute dermal toxicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): LD50 Rat:> 2.000 mg / kg; OECD Test Guideline 402 (literature value) Based on available data, the classification criteria are not met.

Skin corrosion / irritation

Irritating to skin

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Rabbit: irritant; OECD Test Guideline 404 Causes skin irritation.

Serious eye damage / serious eye irritation

Irritating to eyes

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Rabbit: highly irritating; Guidelines 405 for the OECD Test (literature value)

Test substance: Alcohols, C12-14, ethoxylated, sulphated, sodium salts,  $\geq 10\%$  Causes serious eye damage.  
Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Rabbit: irritant; OECD Test Guidelines 405 (literature value) Substance to be tested:  
Alcohols, C12-14, ethoxylated, sulphated, sodium salts,  $\geq 5\%$  - <10% Causes serious eye irritation.  
Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Rabbit: non irritant; Guidelines 405 for the OECD Test (literature value) Substance to be tested: Alcohols, C12-14, ethoxylated, sulphated, sodium salts, <5% Based on available data, the classification criteria are not met.

Respiratory or skin sensitization  
sensitization

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Maximization Test Guinea Pig: non sensitizing; OECD Test Guideline 406 Based on available data, the classification criteria are not met.

Germ cell mutagenicity

In vitro genotoxicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): In vitro assays revealed no mutagenic effects Test values / own bibliographic values

In vivo genotoxicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): In vivo tests did not reveal mutagenic effects (literature value)

Remarks

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Based on available data, the classification criteria are not met.

Carcinogenicity

Carcinogenicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): The substance has proved to be non-genotoxic, therefore a carcinogenic potential should not be expected.

Remarks

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Based on available data, the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Reproductive toxicity study over two generations: Rat; Drinking water; OECD Test Guideline 416 Non-toxic for reproduction (literature value)

Remarks Reproductive toxicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Based on available data, the classification criteria are not met.

Teratogenicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Rat; Oral; OECD Test Guideline 414 Did not show teratogenic effects in animal experiments. (value of literature)

Observations-Teratogenicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure

Remarks

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): The substance or mixture is not classified as target organ intoxicant, single exposure.

Specific target organ toxicity (STOT) - repeated exposure

Remarks

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): The substance or mixture is not classified as specific target organ intoxicant, by repeated exposure.

Repeated dose toxicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Rat; Oral; 90 days NOAEL:> 225 mg / kg (in reference to body weight and day); OECD Test Guideline 408 Target organs: Liver Symptoms: Gastrointestinal disorders, Liver disorders (literature value)

Aspiration hazard

Aspiration toxicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Not applicable.

COCAMIDOPROPYL BETAINE

LD50 (Oral): 2335 mg / kg Rat

LD50 (Oral): 2000 mg / kg Rat

BRONOPOL

Acute oral toxicity:

Acute toxicity estimate: 500.0 mg / kg

Method: Conversion into a point estimate of acute toxicity

LD50 (Rat): 193 - 211 mg / kg

Acute inhalation toxicity:

LC50 (Rat, male and female):> 0.588 mg / l

Exposure time: 4 h

Test atmosphere: dust / fog

Acute dermal toxicity: LD50 (Rat, male and female):> 2.000 mg / kg

GLP: yes

Acute toxicity estimate: 1,100 mg / kg

Method: Conversion into a point estimate of acute toxicity

Skin corrosion / irritation



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Species: Rabbit  
Remarks: No skin irritation  
Serious eye damage / serious eye irritation  
Species: Rabbit  
Result: Risk of serious damage to eyes.  
Respiratory or skin sensitization  
Route of exposure: Skin contact  
Species: guinea pig  
Method: Guidelines 406 for the OECD Test  
Result: Does not cause sensitization of the skin.  
Germ cell mutagenicity  
In vitro genotoxicity:  
Test system: Mammal-Man  
Metabolic activation: with or without metabolic activation  
Method: OECD Test Guideline 473  
Result: positive  
GLP: yes  
Test system: Mammal - Animal  
Metabolic activation: with or without metabolic activation  
Result: negative  
GLP: yes  
In vivo genotoxicity:  
Species: Mammal - Animal  
Method of application: Oral  
Exposure time: 72 h  
Doses: 160 mg / kg  
Method: OECD Test Guideline 474  
Result: negative  
GLP: yes  
Species: Mammal - Animal  
Method of application: Oral  
Exposure time: 4 d  
Method: Guidelines 486 for the OECD Test  
Result: negative  
GLP: yes  
Carcinogenicity  
Species: Rat, (male and female)  
Method of application: Oral  
Exposure time: 104 weeks  
Doses: 7 mg / kg body weight  
Result: negative  
Reproductive toxicity  
Effects on fertility:  
Species: Rat, male and female  
Method of application: Oral  
Duration of single treatment: 19 weeks.  
General parental toxicity: NOAEL:> 40 mg / kg body-offender weight  
General toxicity F1: NOAEL:> 40 mg / kg body weight  
Method: Guidelines 415 for the OECD Test  
Specific target organ toxicity (STOT) - single exposure  
Route of exposure: Inhalation  
Assessment: May cause respiratory irritation.

**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

### ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

#### Toxicity to fish

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): CL50 Brachydanio rerio (zebrafish or zebrafish):> 1 - 10 mg / l; Continuous flow test; Guidelines 203 for the OECD Test

#### Toxicity to fish - Chronic toxicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): NOEC (28 d) Oncorhynchus mykiss (Rainbow trout): 0.14 mg / l; mortality; Continuous flow test; OECD TG 204 (literature value)

#### Toxicity to daphnia and other aquatic invertebrates

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): EC50 (48 h) Daphnia magna (Large water flea):> 1 - 10 mg / l; Static test; OECD TG 202

#### Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): NOEC (21 d) Daphnia magna (Large water flea): 0.27 mg / l; reproduction rate; Continuous flow test; OECD TG 211; (value of literature) group observation

#### Toxicity to aquatic plants

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): EC50 (72 h) Desmodesmus subspicatus (green alga):> 10 - 100 mg / l; Growth speed; Static test; OECD TG 201

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): NOEC (72 h) Desmodesmus subspicatus (green alga): 0.93 mg / l; Growth speed; Static test; OECD TG 201

#### Toxicity to bacteria

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): EC10 Pseudomonas putida:> 10.000 mg / l; Chromosomal multiplication inhibition test

#### Toxicity to soil living organisms

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): NOEC (56 d) Eisenia fetida (earthworms): 750 mg / kg; reproduction rate; Guidelines 222 for the OECD Test

#### Toxicity in terrestrial plants

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): the examination is not necessary. Justification: Direct exposure of the soil is not likely. Quickly biodegradable.

#### Toxicity in other terrestrial non-mammals

Alcohols, C12-14, ethoxylated, sulphated, sodium salts (<2.5 EO): Not relevant Justification: Having a large amount of data on mammals, bird studies are superfluous. Quickly biodegradable.

### COCAMIDOPROPYL BETAINE

LC50 (Fish): 1,11 mg/l 96 h

EC50 (Algae): 1,5 mg/l 72h

EC50 (Shellfish): 1,9 mg/l

### BRONOPOL

#### Toxicity to fish:

LC50 (Lepomis macrochirus (Bluegill salt-fish)): 11 mg / l

Exposure time: 96 h

Method: EPA OPP 72-1 (Fish Acute Toxicity Test)

GLP: yes

Remarks: Fresh water

#### Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia magna (Large water flea)): 1.08 mg / l

Exposure time: 48 h

Method: OECD TG 202

GLP: yes

Remarks: Fresh water

#### Toxicity to algae:

CE50r (Pseudokirchneriella subcapitata): 0.25 mg / l

Exposure time: 72 h

Method: OECD TG 201

GLP: yes

Remarks: Fresh water

NOEC (Pseudokirchneriella subcapitata): 0.03 mg / l

Exposure time: 72 h

Method: OECD TG 201

GLP: yes

Remarks: Fresh water

M-Factor (Short-term (acute) hazard to the aquatic environment): 10

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC: 0.06 mg / l

Exposure time: 21 days

Species: Daphnia magna (Large water flea)

Method: OECD TG 211

GLP: yes

Remarks: Fresh water

#### 12.2. Persistence and degradability

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS: Ready biodegradable.

#### 12.3. Bioaccumulative potential

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS: The product has low bioaccumulation potential in aquatic organisms.

#### 12.4. Mobility in soil

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS: The product has a reduced mobility in the soil.

#### 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

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

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**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

None

Product

Point 3

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**

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

## SECTION 16. Other information

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

<b>Acute Tox. 3</b>	Acute toxicity, category 3
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Eye Dam. 1</b>	Serious eye damage, category 1
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment, acute toxicity, category 1
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment, chronic toxicity, category 2
<b>H301</b>	Toxic if swallowed.
<b>H331</b>	Toxic if inhaled.
<b>H312</b>	Harmful in contact with skin.
<b>H318</b>	Causes serious eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H400</b>	Very toxic to aquatic life.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>EUH044</b>	Risk of explosion if heated under confinement.

### 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 as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- 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 as for REACH Regulation
- WGK: Water hazard classes (German).

### GENERAL BIBLIOGRAPHY

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2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
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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
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  12. Regulation (EU) 2016/1179 (IX Atp. CLP)
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  15. Regulation (EU) 2019/521 (XII Atp. CLP)
  16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
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  20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
  21. Delegated Regulation (UE) 2021/849 (XVII 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

**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.

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.

**Changes to previous review:**

The following sections were modified:

01 / 02 / 03 / 09 / 11 / 12 / 15 / 16.