

### Safety Data Sheet dated 18/11/2022, version 3

### SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Mixture identification Trade name: TERSO UFI: HCF0-F0TU-E00U-4U69 1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended use: Detergent for hard surfaces. Professional use (SU22) - Washing and cleaning products (PC35) Uses advised against: Different uses than recommended. Do not use in combination with other products. 1.3. Details of the supplier of the safety data sheet Manufacturer: SUTTER INDUSTRIES s.p.a. - Società con Unico Socio 15060 Borghetto Borbera (AL) Italia Tel. +39 0143 631.1 Competent person responsible for the safety data sheet: regulatory.affairs@sutter.it 1.4. Emergency telephone number +39 0143 631.1 mon-fri 9.00/17.00 **SECTION 2: Hazards identification** 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Warning, Eye Irrit. 2, Causes serious eye irritation.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects: No other hazards 2.2. Label elements Hazard pictograms:



Warning

Hazard statements:

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P264 Wash hands thoroughly after handling.

P280 Wear eye protection.

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

Special Provisions:

EUH210 Only for professional use. Safety data sheet available on request.

EUH208 Contains D-LIMONENE. May produce an allergic reaction.

EUH208 Contains METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE. May produce an allergic reaction.

Product contents:

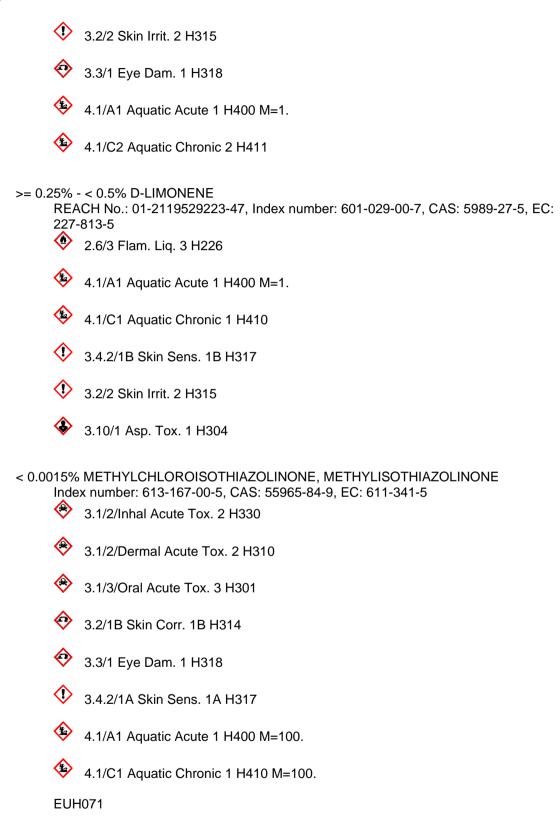
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soap, anionic surfactants, non-ionic surfactants < 5 % The product also contains: Perfumes D-LIMONENE, D-LIMONENE Allergens: Preservatives: METHYLCHLOROISOTHIAZOLINONE, **METHYLISOTHIAZOLINONE** Special provisions according to Annex XVII of REACH and subsequent amendments: None 2.3. Other hazards No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1% Other Hazards: No other hazards **SECTION 3: Composition/information on ingredients** 3.1. Substances Not Applicable, the product is a mixture. 3.2. Mixtures Hazardous components within the meaning of the CLP regulation and related classification: >= 3% - < 5% ALKOXYLATED FATTY ALCOHOL 3.3/2 Eye Irrit. 2 H319 >= 1% - < 3% ALKYL ETHER SULFATE C12-14, SODIUM SALT REACH No.: 01-2119488639-16, CAS: 68891-38-3, EC: 500-234-8  $\langle ! \rangle$ 3.2/2 Skin Irrit. 2 H315 3.3/1 Eye Dam. 1 H318 4.1/C3 Aquatic Chronic 3 H412 **Specific Concentration Limits:** 5% <= C < 10%: Eye Irrit. 2 H319 C >= 10%: Eye Dam. 1 H318 >= 1% - < 3% sodium carbonate REACH No.: 01-2119485498-19, Index number: 011-005-00-2, CAS: 497-19-8, EC: 207-838-8 3.3/2 Eye Irrit. 2 H319 >= 1% - < 3% POTASSIUM COCOATE CAS: 61789-30-8, EC: 263-049-9 3.3/2 Eye Irrit. 2 H319  $\langle ! \rangle$ 3.2/2 Skin Irrit. 2 H315 >= 0.25% - < 0.5% C12-14 ALKYLDIMETHYLAMINES, N-OXIDES REACH No.: 01-2119490061-47, CAS: 308062-28-4, EC: 931-292-6 • 3.1/4/Oral Acute Tox. 4 H302

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Specific Concentration Limits: C >= 0,6%: Skin Corr. 1B H314 0,06% <= C < 0.6%: Skin Irrit. 2 H315 0,06% <= C < 0.6%: Eye Irrit. 2 H319

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C >= 0,0015%: Skin Sens. 1A H317

#### **SECTION 4: First aid measures**

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Acute effects:

Skin and eye irritation for contact

Irritation interior system if swallowed.

Until revison date of this document, are unknown chronic effects from the mixture contact with skin, eyes, inhalation, ingestion.

- 4.3. Indication of any immediate medical attention and special treatment needed
  - In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

### **SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

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### **SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures For non emergency personnel: Wear personal protection equipment. Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

- Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
- Wash with plenty of water. To converge the product in containment tanks.
- 6.4. Reference to other sections
  - See also section 8 and 13

### **SECTION 7: Handling and storage**

- 7.1. Precautions for safe handling
  - Avoid contact with skin and eyes, inhalation of vapours and mists.
  - Don't use empty container before they have been cleaned.
  - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.

- Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
  - Store away from sunlight.

Store in a cool and well ventilated place.

Do not store in open or unlabeled containers.

Store away from heat sources.

Keep away from food, drink and feed.

Incompatible materials:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2. None in particular.

Instructions as regards storage premises:

- Adequately ventilated premises.
- 7.3. Specific end use(s)

None in particular, see paragraph 1.2

### **SECTION 8: Exposure controls/personal protection**

8.1. Control parameters

Until the revision date of this document, no experimental data are available for the mixture. elow, listed occupational exposure limits, if available, for the components listed in paragraph 3.2.

DNEL Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the DNEL exposure limits, if available, for the components listed in paragraph 3.2.

ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3



Worker Industry: 2750 mg/kg - Consumer: 1650 mg/kg - Exposure: Human Dermal -Frequency: Long Term, systemic effects Worker Industry: 175 mg/m3 - Consumer: 52 mg/m3 - Exposure: Human Inhalation -Frequency: Long Term, systemic effects Consumer: 15 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects sodium carbonate - CAS: 497-19-8 Worker Industry: 10 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects Consumer: 10 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4 Worker Industry: 11 mg/kg - Consumer: 5.5 mg/kg - Exposure: Human Dermal -Frequency: Long Term, systemic effects Worker Industry: 6.2 mg/m3 - Consumer: 1.53 mg/m3 - Exposure: Human Inhalation -Frequency: Long Term, systemic effects Consumer: 0.44 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects Worker Industry: 0.27 % - Consumer: 0.27 % - Exposure: Human Dermal - Frequency: Long Term, local effects - Notes: in mixture (by weight) D-LIMONENE - CAS: 5989-27-5 Worker Industry: 66.7 mg/m3 - Consumer: 16.6 mg/m3 - Exposure: Human Inhalation -Frequency: Long Term, systemic effects Worker Industry: 9.5 mg/kg - Consumer: 4.8 mg/kg - Exposure: Human Dermal -Frequency: Long Term, systemic effects Consumer: 4.8 mg/m3 - Exposure: Human Oral - Frequency: Long Term, local effects PNEC Exposure Limit Values Until the revision date of this document, no experimental data are available for the mixture. Below, listed the PNEC exposure limits, if available, for the components listed in paragraph 3.2. ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3 Target: Marine water - Value: 0.024 mg/l Target: Microorganisms in sewage treatments - Value: 10000 mg/l Target: Marine water sediments - Value: 0.09168 mg/kg Target: Soil (agricultural) - Value: 7.5 mg/kg Target: Freshwater sediments - Value: 0.9168 mg/kg C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4 Target: Marine water - Value: 0.00335 mg/l Target: Marine water sediments - Value: 0.524 mg/kg Target: Soil (agricultural) - Value: 1.02 mg/kg Target: Microorganisms in sewage treatments - Value: 24 mg/kg Target: Food chain - Value: 11.1 mg/kg Target: Fresh Water - Value: 0.034 mg/l Target: Air - Value: 0.034 mg/l Target: Freshwater sediments - Value: 5.24 mg/kg D-LIMONENE - CAS: 5989-27-5 Target: Fresh Water - Value: 0.014 mg/l Target: Marine water - Value: 0.14 Target: Marine water sediments - Value: 0.385 mg/kg Target: Freshwater sediments - Value: 3.85 mg/kg Target: Soil (agricultural) - Value: 0.763 mg/kg Target: Food chain - Value: 133 mg/kg Target: Microorganisms in sewage treatments - Value: 1.8 mg/l 8.2. Exposure controls

Eye protection:

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Use close fitting safety goggles, don't use eye lens.(EN 166) Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton (EN 14605 in case of splashes or EN 13982 in case of dust)

#### Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber. (ex. EN 388 - EN 374 protection factor 6, corresponding to a breakthrough time >480 minutes).

Due to great diversity of types, observe the operating instructions of the manufacturer with respect to substances listed in paragraph 3.2.

#### Respiratory protection:

Not needed for normal use.

#### Thermal Hazards:

The product is not flammable or explosive - see paragraph 2.1. The product contains no explosive components.

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Environmental exposure controls:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. See also section 6.2.

Appropriate engineering controls:

No further technical checks suitable for your product under normal conditions. See also section 1.2, section 7 and Exposure Scenario - Annex I of this document.

### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	Visual	
Colour:	fluorescent yellow	Visual	
Odour:	Citrus	Olfactory	
Odour threshold:	Evident	Olfactory	
Melting point/freezing point:	Not Relevant		Parameter not relevant for the type of product
Boiling point or initial boiling point and boiling range:	>= 100 °C		Estimated value on chemical / physical properties of components
Flammability:	non-flammabl e		Estimated parameter on chemical / physical properties of components.
Lower and upper explosion limit:	Not Relevant		Parameter not relevant for the type of product
Flash point:	> 60 ° C		Estimated value on chemical / physical properties of components
Auto-ignition temperature:	Not Relevant		Parameter not relevant for the type of product
Decomposition temperature:	Not Relevant		Parameter not relevant for the type of product
pH:	< 11,4	Instrumental control	
Kinematic viscosity:	Not Relevant		Parameter not relevant. Not viscous mixture.
Solubility in water:	Total		Internal tests



Solubility in oil:	Partial		Internal tests
Partition coefficient n-octanol/water (log value):	< 1000		Value estimated based on the solubility of the mixture.
Vapour pressure:	Not Relevant		Parameter not relevant for the type of product
Density and/or relative density:	1.032 g/ml	Instrumental control	
Relative vapour density:	Not Relevant		Parameter not relevant for the type of product
	Particle cha	racteristics:	
Particle size (average and range)	Not Relevant		Parameter not relevant for the type of product

#### 9.2. Other information

No other relevant information

### **SECTION 10: Stability and reactivity**

- 10.1. Reactivity
  - Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.
- Do not use in combination with other products. 10.2. Chemical stability
  - Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.
- 10.3. Possibility of hazardous reactions Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. See also scetion 7.2.
- 10.4. Conditions to avoid Different uses than recommended. Do not

Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2

Avoid direct sunlight and exposure to heat sources.

10.5. Incompatible materials

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.

10.6. Hazardous decomposition products Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. Do not use in combination with other products.

### **SECTION 11: Toxicological information**

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Toxicological information of the product:

### TERSO

- a) acute toxicity
  - Not classified

Based on available data, the classification criteria are not met

- b) skin corrosion/irritation
  - Not classified
  - Based on available data, the classification criteria are not met
- c) serious eye damage/irritation
- The product is classified: Eye Irrit. 2 H319
- d) respiratory or skin sensitisation
  - Not classified

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Based on available data, the classification criteria are not met e) germ cell mutagenicity Not classified Based on available data, the classification criteria are not met f) carcinogenicity Not classified Based on available data, the classification criteria are not met g) reproductive toxicity Not classified Based on available data, the classification criteria are not met h) STOT-single exposure Not classified Based on available data, the classification criteria are not met i) STOT-repeated exposure Not classified Based on available data, the classification criteria are not met i) aspiration hazard Not classified Based on available data, the classification criteria are not met Toxicological information of the main substances found in the product: Below are reported, if available, the toxicological information of the components listed in paragraph 3.2. ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3 a) acute toxicity: Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Source: OECD 402 Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD 401 b) skin corrosion/irritation: Test: Skin Irritant - Route: Skin - Species: Rabbit Positive - Source: OECD 404 c) serious eye damage/irritation: Test: Eye Corrosive - Species: Rabbit Positive - Source: OECD 405 d) respiratory or skin sensitisation: Test: Skin or Resp. Sensitization Negative - Source: OECD 406 e) germ cell mutagenicity: Test: Mutagenesis Negative - Source: Ames Test sodium carbonate - CAS: 497-19-8 a) acute toxicitv: Test: LD50 - Route: Oral - Species: Rat = 2800 mg/kg Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg b) skin corrosion/irritation: Test: Skin Irritant - Route: Skin - Species: Rabbit Negative c) serious eye damage/irritation: Test: Eye Irritant - Species: Rabbit Positive e) germ cell mutagenicity: Test: Mutagenesis Negative g) reproductive toxicity: Test: NOAEL - Route: Oral - Species: Mouse > 580 mg/kg C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4 a) acute toxicity: Test: LD50 - Route: Oral - Species: Rat = 1064 mg/kg Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg b) skin corrosion/irritation: Test: Skin Irritant - Route: Skin - Species: Rabbit Positive c) serious eye damage/irritation: Test: Eye Corrosive - Species: Rabbit Positive d) respiratory or skin sensitisation: Test: Skin or Resp. Sensitization Negative - Source: OECD 406

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Test: NOAEL - Route: Oral - Species: Rat = 88 mg/kg - Source: OECD 408 D-LIMONENE - CAS: 5989-27-5 a) acute toxicity: Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE - CAS: 55965-84-9 a) acute toxicity: Test: LC50 - Route: Inhalation Dust - Species: Rat = 0.31 mg/l - Duration: 4h b) skin corrosion/irritation: Test: Skin Corrosive - Route: Skin Positive c) serious eye damage/irritation: Test: Eye Corrosive Positive d) respiratory or skin sensitisation: Test: Skin Sensitization - Route: Skin Positive 11.2. Information on other hazards Endocrine disrupting properties: No endocrine disruptor substances present in concentration >= 0.1%**SECTION 12: Ecological information** 12.1. Toxicity Adopt good working practices, so that the product is not released into the environment. Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2. TERSÓ The product is classified: Aquatic Chronic 3 - H412 ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3 a) Aquatic acute toxicity: Endpoint: LC50 - Species: Fish > 10 mg/l - Notes: Leuciscus idus Endpoint: EC50 - Species: Daphnia > 10 mg/l - Notes: Daphnia magna Endpoint: EC50 - Species: Algae > 100 mg/l - Notes: Scenedesmus subspicatus b) Aquatic chronic toxicity: Endpoint: NOEC - Species: Fish > 1 ma/l - Notes: Leuciscus idus Endpoint: NOEC - Species: Daphnia > 0.1 mg/l - Notes: Daphnia magna c) Bacteria toxicity: Endpoint: EC0 - Species: Microorganisms / Effect on activated sludge: > 100 mg/l -Notes: Pseudomonas putida sodium carbonate - CAS: 497-19-8 a) Aquatic acute toxicity: Endpoint: LC50 - Species: Fish = 300 mg/l - Duration h: 96 - Notes: Lepomis macrochirus Endpoint: EC50 - Species: Daphnia = 200 mg/l - Duration h: 48 - Notes: Ceriodaphnia dubia C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4 a) Aquatic acute toxicity: Endpoint: LC50 - Species: Fish = 2.67 mg/l - Duration h: 96 - Notes: Pimelphales promelas

Endpoint: EC50 - Species: Daphnia = 3.1 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 0.143 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 0.067 mg/l

Endpoint: NOEC - Species: Fish = 0.42 mg/l - Duration h: 7248 - Notes: Pimephales promelas



Endpoint: NOEC - Species: Daphnia = 0.7 mg/l - Duration h: 504 - Notes: Daphnia
magna c) Bacteria toxicity:
Endpoint: ÉC10 - Species: Microorganisms / Effect on activated sludge: = 24 mg/l - Duration h: 18 - Notes: Pseudomonas putida D-LIMONENE - CAS: 5989-27-5
a) Aquatic acute toxicity: Endpoint: LC50 - Species: Fish = 0.720 mg/l - Duration h: 96 - Notes: Pimephales promelas
Endpoint: EC50 - Species: Daphnia = 0.85 mg/l - Duration h: 24 - Notes: Daphnia magna
Endpoint: EC50 - Species: Algae = 0.32 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata
METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE - CAS: 55965-84-9
a) Aquatic acute toxicity: Endpoint: LC50 - Species: Fish = 0.19 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
Endpoint: EC50 - Species: Daphnia = 0.16 mg/l - Duration h: 48 Endpoint: EC50 - Species: Algae = 0.018 mg/l - Duration h: 72 - Notes: Selenastrum capricornutum
12.2. Persistence and degradability Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.
ALKOXYLATED FATTY ALCOHOL
Biodegradability: Readily biodegradable - Test: OECD 301F - Duration: 28 days - Notes: >60% BOD del ThOD
ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3
Biodegradability: Readily biodegradable
C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4 Biodegradability: Readily biodegradable - Test: OECD 301B - Duration: 28 days - %: 90 D-LIMONENE - CAS: 5989-27-5
Biodegradability: Readily biodegradable - Test: OECD 301D - Duration: 28 days - %: 80
The surfactant(s) contained in this preparation complies with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents. All supporting data are kept available to the competent authorities of the Member States and will be provided to those authorities if they so request or at the request of a detergent manufacturer.
12.3. Bioaccumulative potential Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in
paragraph 3.2. C12-14 ALKYLDIMETHYLAMINES, N-OXIDES - CAS: 308062-28-4 Bioaccumulation: Slightly bioaccumulative - Test: Log Pow - Partition coefficient 2.7
12.4. Mobility in soil Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.
Not applicable
12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None 12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration >= 0.1%
12.7. Other adverse effects

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Until the revision date of this document, unknown adverse effects and symptoms towards the environment.

### **SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force. Do not discharge into the ground or into drains. See also section 6.

### **SECTION 14: Transport information**

- 14.1. UN number or ID number
- Not classified as dangerous in the meaning of transport regulations.
- 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 ADR-Enviromental Pollutant: No IMDG-Marine pollutant: No
- 14.6. Special precautions for user Not applicable
- 14.7. Maritime transport in bulk according to IMO instruments Not applicable

### **SECTION 15: Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) n. 2020/878 Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4 CLP) Regulation (EU) n. 944/2013 (ATP 5 CLP) Regulation (EU) n. 605/2014 (ATP 6 CLP) Regulation (EU) n. 2015/1221 (ATP 7 CLP) Regulation (EU) n. 2016/918 (ATP 8 CLP) Regulation (EU) n. 2016/1179 (ATP 9 CLP) Regulation (EU) n. 2017/776 (ATP 10 CLP) Regulation (EU) n. 2018/669 (ATP 11 CLP) Regulation (EU) n. 2018/1480 (ATP 13 CLP) Regulation (EU) n. 2019/521 (ATP 12 CLP) Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: None Where applicable, refer to the following regulatory provisions : Directive 2012/18/EU (Seveso III) Regulation (EC) nr 648/2004 (detergents).

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Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III): Seveso III category according to Annex 1, part 1 None

15.2. Chemical safety assessment

No, for instructions on safe mangling you see Sections 7 and 8 and the exposure scenario - Annex I of this document.

A Chemical Safety Assessment has been carried out for the mixture.

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out: None

#### **SECTION 16: Other information**

Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

H302 Harmful if swallowed.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H226 Flammable liquid and vapour.

H410 Very toxic to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H330 Fatal if inhaled.

H310 Fatal in contact with skin.

H301 Toxic if swallowed.

Hazard class and	Code	Description
hazard category		
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 2	3.1/2/Dermal	Acute toxicity (dermal), Category 2
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This safety data sheet has been completely updated in compliance to Regulation 2020/878. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Eye Irrit. 2, H319	Calculation method
Aquatic Chronic 3, H412	Calculation method

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical
	Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
	Effective concentration, for 0/10/20/50/100 percent of test population.
100:	
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport
	Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization"
	(ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
100:	Lethal concentration, for 0/10/20/50/100 percent of test population.
	Lethal dose, for 0/10/20/50/100 percent of test population.
100:	
NOEC:	No Observed Effect Concentration
NOAEL(R)/N	No Observed Adverse Effect Level(Repeated)/Concentration
OAEC:	
OECD:	Organisation for Economic Co-operation and Development
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods
OTEL ·	by Rail. Short Term Exposure limit.
STEL: STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.



## ANNEX I

## PROFESSIONAL PRODUCT – DETERGENT FOR HARD SURFACES

Title of exposure scenario		
Detergent for general cleaning: Manual process.		
Use description		
Sector Use	SU22 – Professional use	
Product Category	PC35 – Washing and cleaning products (including solvent	
	based products)	
Description of activities/process considered on	-	
Diluite with water as specified on the label, if neo	cessary.	
Use following the use instruction as specified on	the label.	
Leave on.		
Rinse, if necessary.		
Frequency and duration		
Use phase	<ul> <li>1 time a day for daily cleaning detergents</li> <li>Periodical for specific detergents</li> </ul>	
Relevant limit values of ingredients, if available, a	are stated in section 8 of the SDS.	
Physical appearence and concentration		
Liquid. To dilute or ready to use.		
In section 2 of the SDS of product and on the lab	el, the classification of mixture is provided.	
Mixture classification is based on ingredients class	ssification and on chemical/physical properties stated in section 9	
of the SDS of product.		
Use conditions		
Room temperature		
Good general ventilation at workplace is sufficient	nt.	
Protection		
See section 8 of the SDS of product to more	Training of worker to use and maintenance of PPE is	
information on PPE.	supposed.	
Don't eat or drink, don't smoke.	Avoid contact with damaged skin.	
No open flame.	Do not use in combination with other products	
Wash hand after use.		
In case of accidental release: dilute with water an		
See section 6 of the SDS in case of accidental rele		
-	r on technical sheet. Use good occupational hygiene practices as	
specified in section 7 on the SDS.		
Environmental measures		
See section 6 of the SDS in case of accidental rele		
See section 12 of the SDS for ecotoxicological inf		
See section 13 of the SDS for disposal considerat	ions.	

Note:

SDS: Safety Data Sheet

PPE: Personal Protection Equipment