

**Safety Data Sheet dated 22/4/2020, version 2**





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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1. Product identifier  
Mixture identification  
Trade name: CUAT NEXT
- 1.2. Relevant identified uses of the substance or mixture and uses advised against  
Recommended use:  
Detergent disinfectant 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

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**SECTION 2: Hazards identification**

- 2.1. Classification of the substance or mixture  
EC regulation criteria 1272/2008 (CLP)
-  Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.
  -  Danger, Eye Dam. 1, Causes serious eye damage.
  -  Warning, Aquatic Acute 1, Very toxic to aquatic life.
  -  Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:  
No other hazards

- 2.2. Label elements  
Hazard pictograms:



- Danger  
Hazard statements:  
H314 Causes severe skin burns and eye damage.  
H410 Very toxic to aquatic life with long lasting effects.
- Precautionary statements:  
P280 Wear protective gloves and eye/face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Safety Data Sheet CUAT NEXT

P310 Immediately call a POISON CENTER or doctor/physician.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

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

Contains

SODIUM METASILICATE PENTAHYDRATE

Didecyldimethylammonium chloride (DDAC (C8-10)

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE

ISOTRIDECANOL ETHOXYLATED

Product contents:

non-ionic surfactants

< 5 %

The product also contains: Disinfectants

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

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### 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% SODIUM METASILICATE PENTAHYDRATE

REACH No.: 01-2119449811-37, Index number: 014-010-00-8, CAS: 10213-79-3, EC: 229-912-9



3.2/1B Skin Corr. 1B H314



3.8/3 STOT SE 3 H335



2.16/1 Met. Corr. 1 H290

>= 1% - <=3% ALKOXYLATED FATTY ALCOHOL



3.3/2 Eye Irrit. 2 H319

>= 1% - < 3% Didecyldimethylammonium chloride (DDAC (C8-10)

CAS: 68424-95-3, EC: 270-331-5



3.2/1B Skin Corr. 1B H314



3.1/3/Oral Acute Tox. 3 H301



4.1/A1 Aquatic Acute 1 H400



4.1/C1 Aquatic Chronic 1 H410

>= 1% - < 3% 3-BUTOXY-2-PROPANOL


REACH No.: 01-2119475527-28, Index number: 603-052-00-8, CAS: 5131-66-8, EC: 225-878-4

 3.2/2 Skin Irrit. 2 H315

 3.3/2 Eye Irrit. 2 H319

>= 1% - < 3% ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE

REACH No.: 01-2119965180-41, CAS: 68391-01-5, EC: 269-919-4

 3.2/1B Skin Corr. 1B H314


 3.1/4/Oral Acute Tox. 4 H302

 4.1/C1 Aquatic Chronic 1 H410

 4.1/A1 Aquatic Acute 1 H400

>= 1% - < 3% ISOTRIDECANOL ETHOXYLATED


REACH No.: 02-2119552461-55, CAS: 69011-36-5

 3.1/4/Oral Acute Tox. 4 H302

 3.3/1 Eye Dam. 1 H318

>= 0.25% - < 0.5% ETHANOL

REACH No.: 01-2119457610-43, Index number: 603-002-00-5, CAS: 64-17-5, EC: 200-578-6

 2.6/2 Flam. Liq. 2 H225

 3.3/2 Eye Irrit. 2 H319

Specific Concentration Limits:

C >= 50%: Eye Irrit. 2 H319

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

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 ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

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:

Severe skin and eye irritation for contact.

Irritation interior system if swallowed.

Until revision 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.

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## **SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

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

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## **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:  
Contaminated 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 in a cool and well ventilated place.  
Store away from sunlight.  
Store in area dedicated to alkaly products, keep away from acids and oxygen or peracetic acid based oxidants.  
Do not store in open or unlabeled containers.  
Keep away from food, drink and feed.  
Incompatible materials:  
Acids and oxidants  
Store in area dedicated to alkaly products, keep away from acids and oxygen based oxidants and peracetic acid.  
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

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## **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. Below, listed occupational exposure limits, if available, for the components listed in paragraph 3.2.

**SODIUM METASILICATE PENTAHYDRATE - CAS: 10213-79-3**

EU - STEL(15min): 2 mg/m<sup>3</sup> - Notes: sodium hydroxyde analogy

EU - STEL: 3 mg/m<sup>3</sup> - Notes: OEL Inhalable fraction

EU - STEL: 10 mg/m<sup>3</sup> - Notes: OEL respirable fraction

**ETHANOL - CAS: 64-17-5**

EU - TWA(8h): 1920 mg/m<sup>3</sup>, 1000 ppm - Notes: WEL

ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr

### 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.

**SODIUM METASILICATE PENTAHYDRATE - CAS: 10213-79-3**

Worker Industry: 6.22 mg/m<sup>3</sup> - Consumer: 1.55 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 1.49 mg/kg - Consumer: 0.74 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/d

Consumer: 0.74 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: bw/d

**3-BUTOXY-2-PROPANOL - CAS: 5131-66-8**

Worker Industry: 44 mg/kg - Consumer: 16 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/day

Worker Industry: 270.5 mg/m<sup>3</sup> - Consumer: 33.8 mg/m<sup>3</sup> - Exposure: Human Inhalation  
- Frequency: Long Term, systemic effects  
Consumer: 8.75 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic  
effects - Notes: bw/day

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5

Worker Industry: 5.7 mg/kg - Consumer: 3.4 mg/kg - Exposure: Human Dermal -  
Frequency: Long Term, systemic effects

Worker Industry: 3.96 mg/m<sup>3</sup> - Consumer: 1.64 mg/m<sup>3</sup> - Exposure: Human Inhalation -  
Frequency: Long Term, systemic effects

Consumer: 3.4 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic  
effects

ETHANOL - CAS: 64-17-5

Worker Industry: 1900 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term,  
local effects

Worker Industry: 950 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term,  
systemic effects

Worker Industry: 343 mg/kg - Exposure: Human Dermal - Frequency: Long Term,  
systemic effects - Notes: bw/day

#### 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.

SODIUM METASILICATE PENTAHYDRATE - CAS: 10213-79-3

Target: Marine water - Value: 1 mg/l

Target: Fresh Water - Value: 7.5 mg/l

Target: Air - Value: 7.5 mg/l

Target: Microorganisms in sewage treatments - Value: 1000 mg/l

3-BUTOXY-2-PROPANOL - CAS: 5131-66-8

Target: Marine water - Value: 0.0525 mg/l

Target: Marine water sediments - Value: 0.236 mg/kg

Target: Soil (agricultural) - Value: 0.16 mg/kg

Target: Microorganisms in sewage treatments - Value: 10 ppm

Target: Freshwater sediments - Value: 2.36 mg/kg

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5

Target: Marine water - Value: 0.00096 mg/l

Target: Fresh Water - Value: 0.0009 mg/l

Target: Microorganisms in sewage treatments - Value: 0.4 mg/l

Target: Soil (agricultural) - Value: 7 mg/kg

Target: Marine water sediments - Value: 13.09 mg/kg

Target: Freshwater sediments - Value: 12.27 mg/kg

Target: Air - Value: 0.00016 mg/l

ETHANOL - CAS: 64-17-5

Target: Marine water - Value: 0.79 mg/l

Target: Fresh Water - Value: 0.96 mg/l

Target: Marine water sediments - Value: 2.9 mg/kg

Target: Soil (agricultural) - Value: 0.63 mg/kg

Target: Freshwater sediments - Value: 3.6 mg/kg

#### 8.2. Exposure controls

Eye protection:

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:
Appearance and colour:	Clear liquid, colorless	Visual	--
Odour:	Technical	Olfactory	--
Odour threshold:	Evident	Olfactory	--
pH:	>13	Instrumental control	--
Melting point / freezing point:	Not Relevant	--	Parameter not relevant for the type of product
Initial boiling point and boiling range:	>=100°C	--	Estimated value on chemical / physical properties of components
Flash point:	>60 °C	--	Estimated value on chemical / physical properties of components
Evaporation rate:	Not Relevant	--	Parameter not relevant for the type of product
Solid/gas flammability:	Not Relevant	--	Parameter not relevant for the type of product
Upper/lower flammability or explosive limits:	Not Relevant	--	Parameter not relevant for the type of product
Vapour pressure:	Not Relevant	--	Parameter not relevant for the type of product
Vapour density:	Not Relevant	--	Parameter not relevant for the type of product
Relative density:	1.026 g/ml	Instrumental control	--
Solubility in water:	Total	--	Internal tests
Solubility in oil:	Partial	--	Internal tests
Partition coefficient (n-octanol/water):	<1000	--	Value estimated based on the solubility of the mixture.
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
Viscosity:	< 10 cP	--	Estimated indicative value. Not viscous mixture.
Explosive properties:	Not Relevant	--	Parameter not relevant for product composition.
Oxidizing properties:	Not Relevant	--	Parameter not relevant for product composition.

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not Relevant	--	Parameter not relevant for the type of product
Fat Solubility:	Not Relevant	--	Parameter not relevant for the type of product
Conductivity:	Not Relevant	--	Parameter not relevant for the type of product
Substance Groups relevant properties	Not Relevant	--	Parameter not relevant for the type of product

**SECTION 10: Stability and reactivity**

10.1. Reactivity

Do not use in combination with other 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.

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

Store in area dedicated to alkaly products, keep away from acids and oxygen or peracetic acid based oxidants.

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 use in combination with other products. See also 1.2 and 7.2

10.5. Incompatible materials

Acids and oxidants

Store in area dedicated to alkaly products, keep away from acids and oxygen based oxidants and peracetic acid.

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.

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

Toxicological information of the product:

CUAT NEXT



- a) acute toxicity  
Not classified  
Based on available data, the classification criteria are not met
- b) skin corrosion/irritation  
The product is classified: Skin Corr. 1A H314
- c) serious eye damage/irritation  
The product is classified: Eye Dam. 1 H318
- d) respiratory or skin sensitisation  
Not classified  
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
- j) 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.

**SODIUM METASILICATE PENTAHYDRATE - CAS: 10213-79-3**

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 1152 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat > 2.06 g/m<sup>3</sup> - Duration: 4h  
Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg bw/d
- 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 or Resp. Sensitization Negative
- h) STOT-single exposure:  
Test: STOT Sing STOT I
- i) STOT-repeated exposure:  
Test: NOAEL - Route: Oral - Species: Rat = 227 mg/kg bw/d

**Didecyldimethylammonium chloride (DDAC (C8-10) - CAS: 68424-95-3**

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 238 mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit = 3342 mg/kg
- 3-BUTOXY-2-PROPANOL - CAS: 5131-66-8**
- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 3300 mg/kg  
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat > 3.5 mg/l - Duration: 4h
  - b) skin corrosion/irritation:

- Test: Skin Irritant - Route: Skin Yes
- c) serious eye damage/irritation:  
Test: Eye Irritant Yes
- d) respiratory or skin sensitisation:  
Test: Skin Sensitization - Route: Skin No
- i) STOT-repeated exposure:  
Test: Repeated exposure No
- ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 397.5 mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit = 3412 mg/kg

- b) skin corrosion/irritation:  
Test: Skin Corrosive Positive

- c) serious eye damage/irritation:  
Test: Eye Corrosive Positive

ISOTRIDECANOL ETHOXYLATED - CAS: 69011-36-5

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 555.556 mg/kg - Source: OECD 423  
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD 402

- b) skin corrosion/irritation:  
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Source: OECD 404

- c) serious eye damage/irritation:  
Test: Eye Corrosive - Species: Rabbit Positive - Source: OECD 405

ETHANOL - CAS: 64-17-5

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat > 6200 mg/kg - Source: OECD401  
Test: LC50 - Route: Inhalation - Species: Rat > 50 mg/m3 - Source: OECD403  
Test: LD50 - Route: Skin - Species: Rabbit = 20 g/kg

- c) serious eye damage/irritation:  
Test: Eye Irritant Positive - Source: OECD405 - Notes: Conc. >=50%

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## **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.

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The product is classified: Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

SODIUM METASILICATE PENTAHYDRATE - CAS: 10213-79-3

- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish = 210 mg/l - Duration h: 96 - Notes: Brachydanio rerio  
Endpoint: EC50 - Species: Daphnia = 1700 mg/l - Duration h: 48 - Notes: Daphnia magna  
Endpoint: EC50 - Species: Algae = 207 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

Didecyldimethylammonium chloride (DDAC (C8-10)) - CAS: 68424-95-3

- a) Aquatic acute toxicity:  
Endpoint: EC50 - Species: Daphnia = 0.011 mg/l
- b) Aquatic chronic toxicity:  
Endpoint: NOEC - Species: Daphnia = 0.010 mg/l

3-BUTOXY-2-PROPANOL - CAS: 5131-66-8

- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish > 560 mg/l - Duration h: 96 - Notes: Poecilia reticulata

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

c) Bacteria toxicity:

Endpoint: EC50 - Species: Microorganisms / Effect on activated sludge: > 1000 mg/l - Duration h: 3

e) Plant toxicity:

Endpoint: NOEC - Species: Algae = 560 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 0.016 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 0.515 mg/l - Duration h: 96

Endpoint: NOEC - Species: Algae = 0.009 mg/l

Endpoint: IC50 - Species: Algae = 0.03 mg/l - Duration h: 72

ISOTRIDECANOL ETHOXYLATED - CAS: 69011-36-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1 mg/l - Duration h: 96 - Notes: Cyprinus carpio

Endpoint: EC50 - Species: Daphnia > 1 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae > 1 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia > 1 mg/l - Duration h: 504 - Notes: Daphnia magna

c) Bacteria toxicity:

Endpoint: EC10 - Species: Microorganisms / Effect on activated sludge: > 10000 mg/l - Duration h: 17

ETHANOL - CAS: 64-17-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 275 mg/l - Duration h: 72 - Notes: Chlorella vulgaris

Endpoint: LC50 - Species: Fish = 13000 mg/l - Duration h: 96 - Notes: Salmo gairdneri

Endpoint: EC50 - Species: Daphnia = 12340 mg/l - Duration h: 48 - Notes: Daphnia magna

## 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

3-BUTOXY-2-PROPANOL - CAS: 5131-66-8

Biodegradability: Readily biodegradable - Duration: 28 days - %: 90 - Notes: OECD 30

ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE - CAS: 68391-01-5

Biodegradability: Readily biodegradable

ISOTRIDECANOL ETHOXYLATED - CAS: 69011-36-5

Biodegradability: Readily biodegradable - Test: CO<sub>2</sub> production - Duration: 28 days - %: >60

Test: OECD 301E - %: 90

ETHANOL - CAS: 64-17-5

Biodegradability: Readily biodegradable

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.

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### 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.

#### ALKOXYLATED FATTY ALCOHOL

Bioaccumulation: Not bioaccumulative

#### 3-BUTOXY-2-PROPANOL - CAS: 5131-66-8

Bioaccumulation: Slightly bioaccumulative - Test: BCF - Bioconcentration factor -

Notes: <100

#### ISOTRIDECANOL ETHOXYLATED - CAS: 69011-36-5

Bioaccumulation: Not bioaccumulative

#### ETHANOL - CAS: 64-17-5

Bioaccumulation: Slightly bioaccumulative - Test: Kow - Partition coefficient -0.31

### 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.

#### 3-BUTOXY-2-PROPANOL - CAS: 5131-66-8

Mobility in soil: Mobile

### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

### 12.6. Other adverse effects

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

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. 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

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## SECTION 14: Transport information



### 14.1. UN number

ADR-UN Number: 1760

IATA-UN Number: 1760

IMDG-UN Number: 1760

### 14.2. UN proper shipping name

ADR-Shipping Name: CORROSIVE LIQUID, N.O.S.(SODIUM METASILICATE PENTAHYDRATE, Didecyldimethylammonium chloride (DDAC (C8-10)))

IATA-Shipping Name: CORROSIVE LIQUID, N.O.S.(SODIUM METASILICATE PENTAHYDRATE, Didecyldimethylammonium chloride (DDAC (C8-10)))

IMDG-Shipping Name: CORROSIVE LIQUID, N.O.S.(SODIUM METASILICATE PENTAHYDRATE, Didecyldimethylammonium chloride (DDAC (C8-10)))

### 14.3. Transport hazard class(es)

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ADR-Class:	8
ADR - Hazard identification number:	80
IATA-Class:	8
IATA-Label:	8
IMDG-Class:	8
14.4. Packing group	
ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III
14.5. Environmental hazards	
ADR-Environmental Pollutant:	Yes
IMDG-Marine pollutant:	Marine Pollutant
Most important toxic component:	Didecyldimethylammonium chloride (DDAC (C8-10))
14.6. Special precautions for user	
ADR-Subsidiary hazards:	-
ADR-S.P.:	274
ADR-Transport category (Tunnel restriction code):	3 (E)
IATA-Passenger Aircraft:	852
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	856
IATA-S.P.:	A3 A803
IATA-ERG:	8L
IMDG-EmS:	F-A , S-B
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category A SW2
IMDG-Segregation:	-
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	
Not applicable	

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## 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) 2015/830
  - 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. 2018/699 (ATP 11 CLP)
  - Regulation (EU) n. 2018/1480 (ATP 13 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).
  - Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):  
Seveso III category according to Annex 1, part 1  
Product belongs to category: E1

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:

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H290 May be corrosive to metals.

H319 Causes serious eye irritation.

H301 Toxic if swallowed.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H315 Causes skin irritation.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H225 Highly flammable liquid and vapour.

Hazard class and hazard category	Code	Description
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1
Flam. Liq. 2	2.6/2	Flammable liquid, 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
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
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
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1

Paragraphs modified from the previous revision:

SECTION 3: Composition/information on ingredients

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Corr. 1A, H314	On basis of test data (pH)
Eye Dam. 1, H318	On basis of test data (pH)

Aquatic Acute 1, H400	Calculation method
Aquatic Chronic 1, H410	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.
EC0/10/20/50/100:	Effective concentration, for 0/10/20/50/100 percent of test population.
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.
LC0/10/20/50/100:	Lethal concentration, for 0/10/20/50/100 percent of test population.
LD0/10/20/50/100:	Lethal dose, for 0/10/20/50/100 percent of test population.
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 by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.