



## SAFETY DATA SHEET

### Caretex Professional D Emulsifier

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

##### 1.1. Product identifier

Product name	Caretex Professional D Emulsifier
Product number	7824/22495
UFI	UFI: PQNP-C00F-8000-JR02

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

Identified uses	Detergent. Cleaning agent.
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##### 1.3. Details of the supplier of the safety data sheet

Supplier	Cole & Wilson Ltd Rutland Street Bradford West Yorkshire BD4 7EA T:01274 393286 F: 01274 309143 info@colewilson.co.uk
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##### 1.4. Emergency telephone number

Emergency telephone	Tel: 01274 393286, Fax: 01274 309143 (8.30am-5pm Monday to Friday)
National emergency telephone number	NHS Direct 111 (GB) National Poisons Information Service Tel: +44 344 892 0111 (UK) - Medical Professionals Only National Poisons Information Centre Tel: +353 (01) 809 2566 (Ireland) - Healthcare Professionals only (24 hour service)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Eye Irrit. 2 - H319
Environmental hazards	Aquatic Chronic 3 - H412

##### 2.2. Label elements

Hazard pictograms



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.

## Caretex Professional D Emulsifier

### Precautionary statements

P264 Wash contaminated skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/ attention.  
 P501 Dispose of contents/ container in accordance with national regulations.

### Detergent labelling

≥ 30% non-ionic surfactants, 15 - < 30% aliphatic hydrocarbons, < 5% optical brighteners

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<p>PEG-5 C13 Oxo Alcohol</p> <p>CAS number: 69011-36-5</p> <p>EC number: 931-138-8</p>	30-50%
<p>Classification</p> <p>Eye Irrit. 2 - H319</p> <p>Aquatic Chronic 3 - H412</p>	
<p>2,2'-OXYBISETHANOL</p> <p>CAS number: 111-46-6</p> <p>EC number: 203-872-2</p>	5-10%
<p>Classification</p> <p>Acute Tox. 4 - H302</p>	
<p>2-(2-butoxyethoxy)ethanol</p> <p>CAS number: 112-34-5</p> <p>EC number: 203-961-6</p>	5-10%
<p>Classification</p> <p>Eye Irrit. 2 - H319</p>	
<p>ETHANOL</p> <p>CAS number: 64-17-5</p> <p>EC number: 200-578-6</p>	3-5%
<p>Classification</p> <p>Flam. Liq. 2 - H225</p> <p>Acute Tox. 4 - H332</p>	
<p>METHANOL</p> <p>CAS number: 67-56-1</p> <p>EC number: 200-659-6</p>	<1%
<p>Classification</p> <p>Flam. Liq. 2 - H225</p> <p>Acute Tox. 3 - H301</p> <p>Acute Tox. 3 - H311</p> <p>Acute Tox. 3 - H331</p> <p>STOT SE 1 - H370</p>	

The full text for all hazard statements is displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

## Caretex Professional D Emulsifier

General information	Get medical attention if symptoms are severe or persist. Remove affected person from source of contamination.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Get medical attention immediately.
Skin contact	Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	This is unlikely to occur but symptoms similar to those of ingestion may develop. Spray/mists may cause respiratory tract irritation.
Ingestion	May cause stomach pain or vomiting.
Skin contact	May cause skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	This product is strongly irritating.

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

Notes for the doctor	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
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### 5.2. Special hazards arising from the substance or mixture

Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

### 5.3. Advice for firefighters

Protective actions during firefighting	Dangerous for the environment if discharged into watercourses. If risk of water pollution occurs, notify appropriate authorities. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes.
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### 6.2. Environmental precautions

Environmental precautions	Harmful to aquatic life with long lasting effects. Dangerous for the environment if discharged into watercourses. Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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## Caretex Professional D Emulsifier

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Flush spilled material into suitable retaining areas or container with large quantities of water. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Inform authorities if large amounts are involved.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep above the chemical's freezing point to avoid rupturing the container. Store in tightly-closed, original container.

**Storage class** Chemical storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### 2,2'-OXYBISETHANOL

Long-term exposure limit (8-hour TWA): WEL 23 ppm 101 mg/m<sup>3</sup>

#### 2-(2-butoxyethoxy)ethanol

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m<sup>3</sup>

#### ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

#### METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

#### PEG-5 C13 Oxo Alcohol (CAS: 69011-36-5)

#### DNEL

Workers - Inhalation; Long term systemic effects: 294 mg/m<sup>3</sup>

Consumer - Dermal; Long term systemic effects: 1250 mg/kg

Consumer - Oral; Long term systemic effects: 25 mg/kg

Workers - Dermal; Long term systemic effects: 2080 mg/kg

Consumer - Inhalation; Long term systemic effects: 87 mg/m<sup>3</sup>

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PNEC	<p>Sediment (Freshwater); 0.604 mg/kg          Soil; 0.1 mg/kg          Sediment (Marinewater); 0.0604 mg/kg          Fresh water; 0.074 mg/l          Intermittent release; 0.015 mg/l          marine water; 0.0074 mg/l          STP; 1.4 mg/l</p> <p style="text-align: center;"><a href="#">2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)</a></p>
DNEL	<p>Workers - Inhalation; Long term systemic effects: 67.5 mg/m<sup>3</sup>          Workers - Dermal; Long term systemic effects: 83 mg/kg/day          Workers - Inhalation; Short term local effects: 101.2 mg/m<sup>3</sup>          Workers - Inhalation; Long term local effects: 67.5 mg/m<sup>3</sup>          Consumer - Inhalation; Short term local effects: 60.7 mg/m<sup>3</sup>          Consumer - Inhalation; Long term systemic effects: 40.5 mg/m<sup>3</sup>          Consumer - Dermal; Long term systemic effects: 50 mg/kg/day          Consumer - Oral; Long term systemic effects: 5 mg/kg/day          Consumer - Inhalation; Long term local effects: 40.5 mg/m<sup>3</sup></p>
PNEC	<p>- Fresh water; 1.1 mg/l          - marine water; 0.11 mg/l          - Intermittent release; 11 mg/l          - Sediment (Freshwater); 4.4 mg/kg          - Sediment (Marinewater); 0.44 mg/kg          - STP; 200 mg/l          - Soil; 0.32 mg/kg</p> <p style="text-align: center;"><a href="#">2,2'-OXYBISETHANOL (CAS: 111-46-6)</a></p>
DNEL	<p>Workers - Inhalation; Long term systemic effects: 44 mg/m<sup>3</sup>          Workers - Inhalation; Long term local effects: 60 mg/m<sup>3</sup>          Workers - Dermal; Long term systemic effects: 43 mg/kg bw/day          Consumer - Inhalation; Long term systemic effects: 12 mg/m<sup>3</sup>          Consumer - Inhalation; Long term local effects: 12 mg/m<sup>3</sup>          Consumer - Dermal; Long term systemic effects: 21 mg/kg bw/day</p>
PNEC	<p>Fresh water; 10 mg/l          marine water; Long term 1 mg/l          Sediment (Freshwater); 20.9 mg/kg          Soil; Long term 1.53 mg/kg          STP; 199.5 mg/l          Intermittent release; 10 mg/l          Sediment (Marinewater); 2.09 mg/kg</p> <p style="text-align: center;"><a href="#">ETHANOL (CAS: 64-17-5)</a></p>
DNEL	<p>Industry - Inhalation; Short term local effects: 1900 mg/m<sup>3</sup>          Industry - Dermal; Long term systemic effects: 343 mg/kg/day          Industry - Inhalation; Long term systemic effects: 950 mg/m<sup>3</sup>          Consumer - Inhalation; Short term local effects: 950 mg/m<sup>3</sup>          Consumer - Dermal; Long term systemic effects: 206 mg/kg/day          Consumer - Inhalation; Long term systemic effects: 114 mg/m<sup>3</sup>          Consumer - Oral; Long term systemic effects: 87 mg/kg/day</p>
PNEC	<p>Industry - Fresh water; Long term 0.96 mg/l          Industry - marine water; Long term 0.79 mg/l          Industry - Intermittent release; Long term 2.75 mg/l          Industry - STP; Long term 580 mg/l          Industry - Sediment (Freshwater); Long term 3.6 mg/kg          Industry - Sediment (Marinewater); Long term 2.9 mg/kg          Industry - Soil; Long term 0.63 mg/kg</p>

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### METHANOL (CAS: 67-56-1)

DNEL	Workers - Inhalation; Long term systemic effects: 130 mg/m <sup>3</sup> Workers - Inhalation; Short term systemic effects: 130 mg/m <sup>3</sup> Workers - Inhalation; Long term local effects: 130 mg/m <sup>3</sup> Workers - Inhalation; Short term local effects: 130 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 20 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 20 mg/kg/day
DMEL	Workers - Dermal; Long term systemic effects: 40 mg/kg/day
PNEC	Industry - Fresh water; Long term 20.8 mg/l Industry - marine water; Long term 2.08 mg/l Industry - Intermittent release; Long term 1540 mg/l Industry - STP; Long term 100 mg/l Industry - Sediment (Freshwater); Long term 77 mg/kg Sediment (Marinewater); 7.7 mg/kg Soil; 100 mg/kg

### 8.2. Exposure controls

#### Protective equipment



Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	Safety glasses with side-shields (EN 166).
Hand protection	Chemical resistant PVC/Nitrilrubber gloves (to European standard EN 374 or equivalent). Thickness: 0,4 mm. Penetration time: >480 min (level 6). The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Other skin and body protection	Wear suitable protective clothing (EN14605)
Hygiene measures	Do not eat, drink or smoke when using this product.
Respiratory protection	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Light (or pale). Yellow.
Odour	Mild (or faint).
pH	pH (concentrated solution): 6.0-8.0
Relative density	0.95-1.01 @ 20°C
Solubility(ies)	Soluble in water.

### 9.2. Other information

Other information	Not determined.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	The following materials may react with the product: Alkalis. Oxidising agents. Reducing agents.
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## Caretex Professional D Emulsifier

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** No potentially hazardous reactions known.

### 10.4. Conditions to avoid

**Conditions to avoid** There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

**Materials to avoid** Strong alkalis. Oxidising agents. Reducing agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** Not regarded as a health hazard under current legislation.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 6,666.67

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Skin corrosion/irritation

**Skin corrosion/irritation** May cause skin irritation.

#### Animal data

Based on available data the classification criteria are not met.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

#### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

#### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

#### IARC carcinogenicity

None of the ingredients are listed or exempt.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

#### Reproductive toxicity - development

Based on available data the classification criteria are not met.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

## Caretex Professional D Emulsifier

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

### General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

### Inhalation

This is unlikely to occur but symptoms similar to those of ingestion may develop.

### Ingestion

May cause discomfort if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

### Skin contact

Irritating to skin. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

### Eye contact

This product is strongly irritating. Symptoms following overexposure may include the following: Redness. Pain.

### Acute and chronic health hazards

This product may cause skin and eye irritation. Repeated exposure may cause chronic eye irritation. Mild dermatitis, allergic skin rash.

### Route of exposure

Skin and/or eye contact Ingestion Inhalation

### Toxicological information on ingredients.

#### PEG-5 C13 Oxo Alcohol

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 5,001.0

Species Rat

ATE oral (mg/kg) 5,001.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,001.0

Species Rat

ATE dermal (mg/kg) 2,001.0

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 50 mg/kg, Oral, Rat

#### 2,2'-OXYBIETHANOL

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 16,500.0

Species Rat

ATE oral (mg/kg) 500.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 13,330.0

Species Rabbit

ATE dermal (mg/kg) 13,330.0

##### Acute toxicity - inhalation



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Acute toxicity inhalation (LC<sub>50</sub> 4.7  
dust/mist mg/l)

Species Rat

### Reproductive toxicity

Reproductive toxicity - fertility Fertility - NOAEL 3060 mg/kg bw/day, Oral, Mouse

Reproductive toxicity - development Developmental toxicity: - NOAEL: 1000 mg/kg bw/day, Oral, Rabbit Maternal toxicity: -  
NOAEL: 1000 mg/kg bw/day, Oral, Rabbit

### Specific target organ toxicity - single exposure

STOT - single exposure NOAEL 936 mg/kg bw/day, Oral, Rat NOAEL 2200 mg/kg bw/day, Dermal,

### 2-(2-butoxyethoxy)ethanol

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> 2,410.0  
mg/kg)

Species Mouse

ATE oral (mg/kg) 2,410.0

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> 2,764.0  
mg/kg)

Species Rabbit

ATE dermal (mg/kg) 2,764.0

#### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> 29.0  
vapours mg/l)

Species Rat

ATE inhalation (vapours mg/l) 29.0

### ETHANOL

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> 10,470.0  
mg/kg)

Species Rat

ATE oral (mg/kg) 10,470.0

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> 15,800.0  
mg/kg)

Species Rat

ATE dermal (mg/kg) 15,800.0

#### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> 20.0  
vapours mg/l)

Species Rat

ATE inhalation (vapours mg/l) 20.0

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Bis-(triazinylamino)-stilbene disulfonic acid derivative (R0130)

### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 5,001.0

Species Rat

### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,001.0

Species Rabbit

ATE dermal (mg/kg) 2,001.0

### METHANOL

### Acute toxicity - oral

ATE oral (mg/kg) 100.0

### Acute toxicity - dermal

ATE dermal (mg/kg) 300.0

### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 3.0

### Carcinogenicity

Carcinogenicity NOAEL 466 mg/kg/day, Oral, Rat

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure LOAEL 2340 mg/kg, Oral, Monkey NOAEL 1.06 mg/l, Inhalation, Rat

## SECTION 12: Ecological information

**Ecotoxicity** Dangerous for the environment if discharged into watercourses. Harmful to aquatic life with long lasting effects.

### 12.1. Toxicity

**Toxicity** Harmful to aquatic life with long lasting effects.

### Ecological information on ingredients.

#### PEG-5 C13 Oxo Alcohol

### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: >1-10 mg/l, *Leuciscus idus* (Golden orfe)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: >1-10 mg/l, *Daphnia magna*

Acute toxicity - aquatic plants EC<sub>50</sub>, 72 hours: 1-10 mg/l, *Scenedesmus subspicatus*  
EC<sub>10</sub>, 72 hours: >0.1-1 mg/l, *Skeletonema costatum*

Acute toxicity - microorganisms EC<sub>10</sub>, 17 hours: >2500 mg/l, Activated sludge

### Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOEC, : 1.73 mg/l,

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 1.36 mg/l, *Daphnia magna*

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### 2,2'-OXYBISETHANOL

#### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 75200 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: >10000 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, 96 hours: 6500-13000 mg/l, Pseudokirchneriella subcapitata

Acute toxicity - microorganisms EC<sub>20</sub>, 30 minutes: >1995 mg/l, Activated sludge

#### Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOEC, 7 days: 32000 mg/l, Pimephales promelas (Fat-head Minnow)

Chronic toxicity - aquatic invertebrates NOEC, 21 days: >15000 mg/l, Daphnia magna

### 2-(2-butoxyethoxy)ethanol

#### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 2700 mg/l, Fish  
LC<sub>50</sub>, 96 hours: 1300 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants ECr50, 96 hours: > 100 mg/l, Scenedesmus subspicatus  
EyC50, 96 hours: > 100 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms EC10, 0.5 hour: > 1995 mg/l, Activated sludge  
EC<sub>50</sub>, : 255 mg/l, Activated sludge

### ETHANOL

#### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 13000 mg/l, Oncorhynchus mykiss (Rainbow trout)  
LC<sub>50</sub>, 48 hours: >100 mg/l, Leuciscus idus (Golden orfe)  
LC<sub>50</sub>, 96 hours: 14200 mg/l, Pimephales promelas (Fat-head Minnow)  
LC<sub>50</sub>, 96 hours: 12000-16000 mg/l, Oryzias latipes (Red killifish)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 12340 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, 48 hours: >100 mg/l, Selenastrum capricornutum  
EC<sub>50</sub>, 72 hours: 275 mg/l, Chlorella vulgaris

#### Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, 9 days: 9.6 mg/l, Daphnia magna

### Bis-(triazinylamino)-stilbene disulfonic acid derivative (R0130)

#### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: >100 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC<sub>50</sub>, 72 hours: >100 mg/l, Algae

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Acute toxicity - microorganisms EC<sub>50</sub>, : >100 mg/l, Activated sludge

### METHANOL

#### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 15400 mg/l, *Lepomis macrochirus* (Bluegill)  
LC<sub>50</sub>, 96 hours: >100 mg/l, *Pimephales promelas* (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: >10000 mg/l, *Daphnia magna*  
EC<sub>50</sub>, 96 hours: 22200-23400 mg/l, Freshwater invertebrates  
EC<sub>50</sub>, 48 hours: 2500 mg/l, Marinewater invertebrates

Acute toxicity - aquatic plants EC<sub>50</sub>, 96 hours: 22000 mg/l, *Selenastrum capricornutum*  
EC<sub>50</sub>, 96 hours: 16.912 mg/l, Marinewater algae

Acute toxicity - microorganisms IC<sub>50</sub>, 15 hours: 20000 mg/l,  
IC<sub>50</sub>, 3 hours: >1000 mg/l,

#### Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOEC, 200 hours: 15800 mg/l, *Oryzias latipes* (Red killifish)

### 12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended).

#### Ecological information on ingredients.

### PEG-5 C13 Oxo Alcohol

Biodegradation OECD 301B - Degradation >60%: 28 days

Chemical oxygen demand ~ 2438 mg/g

### 2,2'-OXYBISETHANOL

Biodegradation OECD 301A - Degradation 90/100%: 28 days

### 2-(2-butoxyethoxy)ethanol

Persistence and degradability The product is biodegradable. >70% Readily biodegradable

Biodegradation OECD 302B - Degradation 100%: 28 days

### ETHANOL

Persistence and degradability The product is biodegradable.

Biodegradation - Degradation 84%: 20 days

Biological oxygen demand 1000 mg/g

Chemical oxygen demand 1900 mg/g

### METHANOL

Persistence and degradability The product is readily biodegradable.

Biodegradation Water - Degradation 95%: 20 days

Chemical oxygen demand 1.42

### 12.3. Bioaccumulative potential

## Caretex Professional D Emulsifier

**Bioaccumulative potential** No data available on bioaccumulation.

Ecological information on ingredients.

### 2,2'-OXYBISETHANOL

**Bioaccumulative potential** BCF: 100, Leuciscus idus (Golden orfe) log Kow: -1.98, log Pow: <1,

### 2-(2-butoxyethoxy)ethanol

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient** log Pow: 1.00

### ETHANOL

**Partition coefficient** log Pow: -0.31

### METHANOL

**Partition coefficient** log Pow: -0.82 / -0.66

#### 12.4. Mobility in soil

**Mobility** Soluble in water.

Ecological information on ingredients.

### PEG-5 C13 Oxo Alcohol

**Adsorption/desorption coefficient** Soil - Koc: > 5000 @ °C

### 2-(2-butoxyethoxy)ethanol

**Adsorption/desorption coefficient** - Koc: 2 @ 20°C

### ETHANOL

**Henry's law constant**  $3.3 \times 10^{-6} \text{ atm m}^3/\text{mol}$  @ °C

**Surface tension** 24.5 mN/m @ 20°C

### METHANOL

**Mobility** Soluble in water.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

### 2-(2-butoxyethoxy)ethanol

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current UK criteria.

### METHANOL

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

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### 12.6. Other adverse effects

Other adverse effects                      None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal methods                      Dispose of in accordance with Local Authority regulations as special waste according to The Control of Special Waste Regulations 1996.

EURAL Code

## SECTION 14: Transport information

General                                      The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to  
Annex II of MARPOL 73/78 and  
the IBC Code                      Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Danish product registration  
number

Danish national regulations

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

## SECTION 16: Other information

## Caretex Professional D Emulsifier

**Abbreviations and acronyms used in the safety data sheet**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 IATA: International Air Transport Association.  
 ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
 IMDG: International Maritime Dangerous Goods.  
 CAS: Chemical Abstracts Service.  
 ATE: Acute Toxicity Estimate.  
 LC50: Lethal Concentration to 50 % of a test population.  
 LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 vPvB: Very Persistent and Very Bioaccumulative.

<b>Revision comments</b>	Revised classification. Revision is due to a change in the appearance description
<b>Revision date</b>	17/07/2023
<b>Revision</b>	9
<b>Supersedes date</b>	10/07/2023
<b>SDS number</b>	7824/22495
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H370 Causes damage to organs . H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.