

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Cutting Coolant, milky  
Revision date : 07.04.2025  
Print date : 09.04.2025

Version (Revision) : 7.0.0 (6.2.0)

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

### 1.1 Product identifier

Cutting Coolant, milky  
Unique Formula Identifier : 4250-10GN-E00G-V8GJ

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

**Relevant identified uses**

**Products Category [PC]**  
PC-TEC-13 - Metal working fluids

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

#### Supplier

Bio-Circle Surface Technology GmbH

**Street :** Berensweg 200

**Postal code/City :** 33334 Gütersloh

**Telephone :** +49 5241 9443 0

**Telefax :** +49 5241 9443 44

**Information contact :** labor@bio-circle.de

### 1.4 Emergency telephone number

+49 5241 9443 51 during normal office hours  
(Monday to Thursday from 8 am to 4 pm and Friday from 8 am to 3 pm)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.  
Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard pictograms



Corrosion (GHS05)

##### Signal word

Danger

##### Hazard components for labelling

2-PHENOXYETHANOL ; CAS No. : 122-99-6  
capryleth-9 carboxylic acid ; CAS No. : 53563-70-5

##### Hazard statements

H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor/....  
**Special rules for supplemental label elements for certain mixtures**  
EUH208 Contains 3-iodo-2-propynyl butylcarbamate ; 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

## 2.3 Other hazards

None

## 2.4 Additional information

Data obtained by expert judgement.  
H314: not relevant  
H315: not relevant

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

2-PHENOXYETHANOL ; REACH No. : 01-2119488943-21-XXXX ; EC No. : 204-589-7; CAS No. : 122-99-6

Weight fraction :  $\geq 10 - < 25$  %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 STOT SE 3 ; H335

Specific Conc. Limits : (ATE - oral : 1394 mg/kg)

SODIUM PETROLEUM SULFONIC ACIDS ; REACH No. : 01-2119527859-22-XXXX ; EC No. : 271-781-5; CAS No. : 68608-26-4

Weight fraction :  $\geq 5 - < 10$  %

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

Alcohols, C16-18, ethoxylated, propoxylated ; CAS No. : 68002-96-0

Weight fraction :  $\geq 3 - < 5$  %

Classification 1272/2008 [CLP] : Aquatic Chronic 3 ; H412

POTASSIUM HYDROXIDE ; REACH No. : 01-2119487136-33-XXXX ; EC No. : 215-181-3; CAS No. : 1310-58-3

Weight fraction :  $\geq 2,5 - < 3$  %

Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1A ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

Specific Conc. Limits : Skin Corr. 1A ; H314: C  $\geq 5$  % • Eye Dam. 1 ; H318: C  $\geq 2$  % • Skin Corr. 1B ; H314: C  $\geq 2$  % • Skin Corr. 1C ; H314: C  $\geq 2$  % • Eye Irrit. 2 ; H319: C  $\geq 0,5$  % • Skin Irrit. 2 ; H315: C  $\geq 0,5$  %

1H-BENZOTRIAZOLE (1,2,3) ; EC No. : 202-394-1; CAS No. : 95-14-7

Weight fraction :  $\geq 1 - < 2,5$  %

Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

2,2'-OXYBISETHANOL ; EC No. : 203-872-2; CAS No. : 111-46-6

Weight fraction :  $\geq 1 - < 2,5$  %

Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Acute Tox. 4 ; H302

capryleth-9 carboxylic acid ; EC No. : 611-013-1; CAS No. : 53563-70-5

Weight fraction :  $\geq 1 - < 2,5$  %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315

FATTY ALCOHOL C16-18 AND C18 UNSATD., ETHOXYLATED ; CAS No. : 68920-66-1

Weight fraction :  $\geq 1 - < 2,5$  %

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

3-iodo-2-propynyl butylcarbamate ; EC No. : 259-627-5; CAS No. : 55406-53-6

Weight fraction :  $\geq 0,1 - < 0,25$  %

Classification 1272/2008 [CLP] : Acute Tox. 3 ; H331 STOT RE 1 ; H372 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Specific Conc. Limits : (M Chronic=1) • (M Acute=10)

1,2-benzisothiazol-3(2H)-one ; REACH No. : 01-2120761540-60-XXXX ; EC No. : 220-120-9; CAS No. : 2634-33-5

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Weight fraction : < 0,05 %  
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400  
Specific Conc. Limits : Skin Sens. 1 ; H317: C ≥ 0,05 %

#### Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Remove contaminated, saturated clothing immediately. When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

#### After eye contact

Protect uninjured eye. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### Following ingestion

Rinse mouth thoroughly with water. Let 1 glass of water be drunken in little sips (dilution effect). Do NOT induce vomiting. Call a physician immediately.

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

Causes serious eye damage. May produce an allergic reaction.

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water Foam Extinguishing powder Carbon dioxide (CO<sub>2</sub>) Sand Nitrogen Extinguishing blanket

#### Unsuitable extinguishing media

Full water jet

### 5.2 Special hazards arising from the substance or mixture

#### Hazardous combustion products

In case of fire may be liberated: Carbon monoxide , Carbon dioxide (CO<sub>2</sub>) , Nitrogen oxides (NO<sub>x</sub>) , Thermal decomposition can lead to the escape of irritating gases and vapours. Burning produces heavy smoke.

### 5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### 5.4 Additional information

Use water spray jet to protect personnel and to cool endangered containers. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

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Special danger of slipping by leaking/spilling product. Use personal protection equipment.

## 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## 6.3 Methods and material for containment and cleaning up

Collect in closed and suitable containers for disposal. Clear spills immediately. Wipe up with absorbent material (eg. cloth, fleece). Wash with plenty of water. Treat the recovered material as prescribed in the section on waste disposal.

## 6.4 Reference to other sections

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Keep container tightly closed.

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

Keep/Store only in original container. Protect against : Frost .

#### Requirements for storage rooms and vessels

Keep away from heat. Protect against direct sunlight.

#### Hints on joint storage

Do not store together with Strong alkali , Strong acid , Oxidising agent, strong.

Storage class (TRGS 510) : 12

### 7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

2-PHENOXYETHANOL ; CAS No. : 122-99-6

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 1 ppm / 5,7 mg/m<sup>3</sup>  
Peak limitation : 1(I)  
Remark : Y  
Version : 23.06.2022

2,2'-OXYBISETHANOL ; CAS No. : 111-46-6

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 10 ppm / 44 mg/m<sup>3</sup>  
Peak limitation : 4(II)  
Remark : Y  
Version : 23.06.2022

3-IODO-2-PROPANYL BUTYLCARBAMATE ; CAS No. : 55406-53-6

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 0,005 ppm / 0,058 mg/m<sup>3</sup>  
Peak limitation : 2(I)  
Remark : Sh, Y  
Version : 23.06.2022

#### DNEL-/PNEC-values

##### DNEL/DMEL

SODIUM PETROLEUM SULFONIC ACIDS ; CAS No. : 68608-26-4

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Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 0,66 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 3,33 mg/kg  
POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3  
Limit value type : DNEL Consumer (local)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 1 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 1 mg/m<sup>3</sup>  
1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 1,2 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 0,345 mg/kg bw/day  
Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 6,81 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 0,966 mg/kg bw/day

## PNEC

1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5  
Limit value type : PNEC (Aquatic, freshwater)  
Limit value : 4,03 µg/l  
Limit value type : PNEC (Aquatic, intermittent release)  
Limit value : 1,1 µg/l  
Limit value type : PNEC (Aquatic, marine water)  
Limit value : 1,1 µg/l  
Limit value type : PNEC (Sediment, freshwater)  
Limit value : 0,0499 mg/kg dw  
Limit value type : PNEC (Sediment, marine water)  
Limit value : 0,00499 mg/kg dw  
Limit value type : PNEC (Soil)  
Limit value : 3 mg/kg dw  
Limit value type : PNEC (Sewage treatment plant)  
Limit value : 1,03 mg/l

## 8.2 Exposure controls

### Personal protection equipment

#### Eye/face protection

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Wear suitable safety goggles in case of splash.

**Suitable eye protection**  
EN 166.

## Skin protection

### Hand protection



**Suitable gloves type** : EN 374.  
**Suitable material** : NBR (Nitrile rubber)  
**Breakthrough time** : 480 min.  
**Thickness of the glove material** : 0.4 mm

**Remark** : The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

## Respiratory protection



Respiratory protection necessary at: exceeding exposure limit values  
Usually no personal respirative protection necessary.

### Suitable respiratory protection apparatus

Combination filtering device  
Filter type: A-P3

### Remark

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

## General information

Do not put any product-impregnated cleaning rags into your trouser pockets. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. P362+P364 - Take off contaminated clothing and wash it before reuse. P264 - Wash hands thoroughly after handling.

### 8.3 Additional information

No tests have been performed. Selection made for preparations according to the best available knowledge and information on ingredients. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : Liquid

**Colour** : brown

#### Odour

characteristic

#### Safety characteristics

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Melting point/freezing point :	( 1013 hPa )		not determined	
Initial boiling point and boiling range :	( 1013 hPa )		not determined	
Flash point :			not applicable	DIN EN ISO 13736
Auto-ignition temperature :			not applicable	
Flammability :			non-flammable	
Lower explosion limit :			not applicable	
Upper explosion limit :			not applicable	
Vapour pressure :	( 50 °C )		not determined	
Density :	( 20 °C )	approx.	0,988	g/cm <sup>3</sup>
Water solubility :	( 20 °C )		practically insoluble	
pH :	( 20 °C / 5 Vol-% )	approx.	9,3	in aqueous solution
Cinematic viscosity :	( 40 °C )		50	mm <sup>2</sup> /s
Relative vapour density :	( 20 °C )		not determined	
Maximum VOC content (EC) :			0	Weight-%
Maximum VOC content (Switzerland) :			0	Weight-%
Taxable VOC content (Switzerland) :			0	Weight-%

## 9.2 Other information

No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

### 10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 Possibility of hazardous reactions

Exothermic reaction with: Strong acid Strong alkali Oxidising agent, strong.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.  
Decomposition products in case of fire: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

##### Acute oral toxicity

Parameter :	LD50 ( 2-PHENOXYETHANOL ; CAS No. : 122-99-6 )
Exposure route :	Oral
Species :	Rat
Effective dose :	1840 mg/kg
Method :	OECD 401
Parameter :	LD50 ( POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3 )
Exposure route :	Oral
Species :	Rat
Effective dose :	365 mg/kg
Method :	OECD 425
Parameter :	LD50 ( 2,2' -OXYBISETHANOL ; CAS No. : 111-46-6 )
Exposure route :	Oral

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Effective dose : 500 mg/kg  
Parameter : LD50 ( 3-IODO-2-PROPYNYL BUTYLCARBAMATE ; CAS No. : 55406-53-6 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 500 mg/kg  
Method : OECD 401  
Parameter : LD50 ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 500 mg/kg  
Method : OECD 401

### Acute dermal toxicity

Parameter : LD50 ( 2-PHENOXYETHANOL ; CAS No. : 122-99-6 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 5000 mg/kg

### Acute inhalation toxicity

Parameter : LD50 ( 3-IODO-2-PROPYNYL BUTYLCARBAMATE ; CAS No. : 55406-53-6 )  
Exposure route : Inhalation (dust/mist)  
Species : Rat  
Effective dose : 0,5 mg/l  
Exposure time : 4 h  
Method : OECD 403

## Corrosion

### Skin corrosion/irritation

Parameter : Skin corrosion/irritation ( SODIUM PETROLEUM SULFONIC ACIDS ; CAS No. : 68608-26-4 )  
Species : Rabbit  
Result : Irritant  
Parameter : Skin corrosion/irritation ( POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3 )  
Result : Causes severe burns  
Method : OECD 431  
Parameter : Skin corrosion/irritation ( capryleth-9 carboxylic acid ; CAS No. : 53563-70-5 )  
Result : Irritant  
Parameter : Skin corrosion/irritation ( FATTY ALCOHOL C16-18 AND C18 UNSATD., ETHOXYLATED ; CAS No. : 68920-66-1 )  
Species : Rabbit  
Result : Irritant  
Method : OECD 404  
Parameter : Skin corrosion/irritation ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )  
Result : Irritant  
Data obtained by expert judgement.  
H314: not relevant  
H315: not relevant

### Serious eye damage/eye irritation

Parameter : Serious eye damage/eye irritation ( 2-PHENOXYETHANOL ; CAS No. : 122-99-6 )  
Species : Rabbit  
Result : Causes serious eye damage  
Method : OECD 405  
Parameter : Serious eye damage/eye irritation ( POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3 )  
Result : Causes serious eye damage  
Method : OECD 405  
Parameter : Serious eye damage/eye irritation ( 1H-BENZOTRIAZOLE (1,2,3) ; CAS No. : 95-14-7 )  
Species : Rabbit  
Result : Causes serious eye irritation  
Method : OECD 405



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Parameter : Serious eye damage/eye irritation ( capryleth-9 carboxylic acid ; CAS No. : 53563-70-5 )

Result : Causes serious eye damage

Parameter : Serious eye damage/eye irritation ( 3-iodo-2-propynyl butylcarbamate ; CAS No. : 55406-53-6 )

Species : Rabbit

Result : Causes serious eye damage

Parameter : Serious eye damage/eye irritation ( 1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5 )

Result : Causes serious eye damage

Causes serious eye damage.

### Irritation to respiratory tract

Parameter : Irritation to respiratory tract ( 2-phenoxyethanol ; CAS No. : 122-99-6 )

Result : Irritant

### Respiratory or skin sensitisation

#### Skin sensitisation

Parameter : Skin sensitisation ( 3-iodo-2-propynyl butylcarbamate ; CAS No. : 55406-53-6 )

Result : Sensitising.

Parameter : Skin sensitisation ( 1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5 )

Result : Sensitising.

No further relevant information available.

#### Assessment/classification

Based on available data, the classification criteria are not met.

May produce an allergic reaction.

#### Sensitisation to the respiratory tract

No further relevant information available.

### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

#### Carcinogenicity

No further relevant information available.

#### Germ cell mutagenicity

No further relevant information available.

#### In vitro mutagenicity

Parameter : Gene-mutations microorganisms ( Alcohols, C16-18, ethoxylated, propoxylated ; CAS No. : 68002-96-0 )

Exposure route : In vitro mutagenicity

Species : Salmonella typhimurium

Result : Negative.

Method : OECD 471 (Ames test)

#### Reproductive toxicity

No further relevant information available.

### STOT-single exposure

No further relevant information available.

### STOT-repeated exposure

No further relevant information available.

#### STOT RE 1 and 2

Parameter : STOT RE 1 and 2 ( 2,2'-oxybisethanol ; CAS No. : 111-46-6 )

Parameter : STOT RE 1 and 2 ( 3-iodo-2-propynyl butylcarbamate ; CAS No. : 55406-53-6 )

#### Assessment/classification

Based on available data, the classification criteria are not met.

### Aspiration hazard

No further relevant information available.

## 11.2 Information on other hazards

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## Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

## Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

## Other adverse effects

Has degreasing effect on the skin. Frequently or prolonged contact with skin may cause dermal irritation.

## Additional information

There are no data available on the preparation/mixture itself. Preparation not tested. The statement is derived from the properties of the single components.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter :	LC50 ( POTASSIUM HYDROXIDE ; CAS No. : 1310-58-3 )
Species :	Fish
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	80 mg/l
Exposure time :	96 h
Parameter :	LC50 ( 2,2' -OXYBISETHANOL ; CAS No. : 111-46-6 )
Species :	Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	66000 mg/l
Exposure time :	96 h
Parameter :	LC50 ( Alcohols, C16-18, ethoxylated, propoxylated ; CAS No. : 68002-96-0 )
Species :	Danio rerio (zebrafish)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	108 mg/l
Exposure time :	96 h
Method :	OECD 203
Parameter :	LC50 ( FATTY ALCOHOL C16-18 AND C18 UNSATD., ETHOXYLATED ; CAS No. : 68920-66-1 )
Species :	Danio rerio (zebrafish)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	108 mg/l
Exposure time :	96 h
Method :	OECD 203
Parameter :	LC50 ( 2,2' -OXYBISETHANOL ; CAS No. : 111-46-6 )
Species :	Pimephales promelas (fathead minnow)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	75222 mg/l
Exposure time :	96 h
Parameter :	LL50 ( SODIUM PETROLEUM SULFONIC ACIDS ; CAS No. : 68608-26-4 )
Species :	Pimephales promelas (fathead minnow)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	> 1000 mg/l
Exposure time :	96 h
Method :	OECD 203
Parameter :	LC50 ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )
Species :	Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	2,18 mg/l

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Exposure time : 96 h  
Method : OECD 203

**Chronic (long-term) fish toxicity**

Parameter : NOEC ( 2,2' -OXYBISETHANOL ; CAS No. : 111-46-6 )  
Species : Chronic (long-term) fish toxicity  
Effective dose : > 40 mg/l  
Exposure time : 28 D

Parameter : NOEC ( Alcohols, C16-18, ethoxylated, propoxylated ; CAS No. : 68002-96-0 )  
Species : Pimephales promelas (fathead minnow)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : 0,16 mg/l  
Exposure time : 10 D

Parameter : NOEC ( FATTY ALCOHOL C16-18 AND C18 UNSATD., ETHOXYLATED ; CAS No. : 68920-66-1 )  
Species : Pimephales promelas (fathead minnow)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : 0,16 mg/l  
Exposure time : 10 D

Parameter : NOEC ( FATTY ALCOHOL C16-18 AND C18 UNSATD., ETHOXYLATED ; CAS No. : 68920-66-1 )  
Species : Pimephales promelas (fathead minnow)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : 0,28 mg/l  
Exposure time : 30 D

Parameter : NOEC ( Alcohols, C16-18, ethoxylated, propoxylated ; CAS No. : 68002-96-0 )  
Species : Pimephales promelas (fathead minnow)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : 0,11 - 0,28 mg/l  
Exposure time : 30 D

**Acute (short-term) toxicity to crustacea**

Parameter : EC50 ( SODIUM PETROLEUM SULFONIC ACIDS ; CAS No. : 68608-26-4 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) toxicity to crustacea  
Effective dose : > 1000 mg/l  
Exposure time : 48 h

Parameter : LC50 ( 2,2' -OXYBISETHANOL ; CAS No. : 111-46-6 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) toxicity to crustacea  
Effective dose : 62630 mg/l  
Exposure time : 48 h

Parameter : EL50 ( Alcohols, C16-18, ethoxylated, propoxylated ; CAS No. : 68002-96-0 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) toxicity to crustacea  
Effective dose : 51 mg/l  
Exposure time : 48 h  
Method : OECD 202

Parameter : EL50 ( FATTY ALCOHOL C16-18 AND C18 UNSATD., ETHOXYLATED ; CAS No. : 68920-66-1 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) toxicity to crustacea  
Effective dose : 51 mg/l  
Exposure time : 48 h

Parameter : EC50 ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) toxicity to crustacea  
Effective dose : 2,94 mg/l

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Exposure time : 48 h  
Method : OECD 202

### Chronic (long-term) toxicity to aquatic invertebrate

Parameter : NOEC ( 2,2' -OXYBISETHANOL ; CAS No. : 111-46-6 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long-term) toxicity to aquatic invertebrate  
Effective dose : 7500 - 15000 mg/l  
Exposure time : 21 D

Parameter : NOEC ( Alcohols, C16-18, ethoxylated, propoxylated ; CAS No. : 68002-96-0 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long-term) toxicity to aquatic invertebrate  
Effective dose : 0,77 mg/l  
Exposure time : 21 D

Parameter : NOEC ( FATTY ALCOHOL C16-18 AND C18 UNSATD., ETHOXYLATED ; CAS No. : 68920-66-1 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long-term) toxicity to aquatic invertebrate  
Effective dose : 0,77 mg/l  
Exposure time : 21 D

### Acute (short-term) toxicity to algae and cyanobacteria

Parameter : EC50 ( SODIUM PETROLEUM SULFONIC ACIDS ; CAS No. : 68608-26-4 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Inhibition of growth rate  
Effective dose : > 1000 mg/l  
Exposure time : 72 h

Parameter : EC50 ( FATTY ALCOHOL C16-18 AND C18 UNSATD., ETHOXYLATED ; CAS No. : 68920-66-1 )  
Species : Desmodesmus subspicatus  
Evaluation parameter : Inhibition of growth rate  
Effective dose : > 100 mg/l  
Exposure time : 72 h

Parameter : EL50 ( Alcohols, C16-18, ethoxylated, propoxylated ; CAS No. : 68002-96-0 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Inhibition of growth rate  
Effective dose : > 10 mg/l  
Exposure time : 72 h

Method : OECD 201  
Parameter : EC50 ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )  
Species : Selenastrum capricornutum  
Evaluation parameter : Inhibition of growth rate  
Effective dose : 150 µg/l  
Exposure time : 72 h  
Method : OECD 201

### Chronic (long-term) toxicity to aquatic algae and cyanobacteria

Parameter : NOEC ( 2,2' -OXYBISETHANOL ; CAS No. : 111-46-6 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Inhibition of growth rate  
Effective dose : > 100 mg/l  
Exposure time : 72 h  
Method : OECD 201

Parameter : NOEC ( SODIUM PETROLEUM SULFONIC ACIDS ; CAS No. : 68608-26-4 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Inhibition of growth rate  
Effective dose : 1000 mg/l  
Exposure time : 72 h

### Toxicity to microorganisms

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Parameter : EC50 ( SODIUM PETROLEUM SULFONIC ACIDS ; CAS No. : 68608-26-4 )  
Species : Bacteria toxicity  
Effective dose : 3200 - 5000 mg/l  
Exposure time : 8 h  
Parameter : EC10 ( FATTY ALCOHOL C16-18 AND C18 UNSATD., ETHOXYLATED ; CAS No. : 68920-66-1 )  
Species : Pseudomonas putida  
Evaluation parameter : Toxicity to microorganisms  
Effective dose : > 10000 mg/l  
Exposure time : 16,9 h  
Parameter : EC10 ( Alcohols, C16-18, ethoxylated, propoxylated ; CAS No. : 68002-96-0 )  
Species : Pseudomonas putida  
Evaluation parameter : Toxicity to microorganisms  
Effective dose : > 10 g/l  
Exposure time : 16,9 h  
Method : DIN 38412 / part 8  
Parameter : EC50 ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )  
Species : Toxicity to microorganisms  
Effective dose : 13 mg/l  
Exposure time : 3 h  
Method : OECD 209

## 12.2 Persistence and degradability

### Biodegradation

Parameter : Biodegradation ( SODIUM PETROLEUM SULFONIC ACIDS ; CAS No. : 68608-26-4 )  
Inoculum : Biodegradation  
Evaluation parameter : Aerobic  
Degradation rate : 8,6 %  
Test duration : 28 D  
Evaluation : Not readily biodegradable (according to OECD criteria)  
Method : OECD 301F  
Parameter : Biodegradation ( Alcohols, C16-18, ethoxylated, propoxylated ; CAS No. : 68002-96-0 )  
Inoculum : Biodegradation  
Evaluation parameter : Aerobic  
Degradation rate : > 60 %  
Test duration : 28 D  
Method : OECD 301B  
Parameter : CO2 formation (% of the theoretical value) ( FATTY ALCOHOL C16-18 AND C18 UNSATD., ETHOXYLATED ; CAS No. : 68920-66-1 )  
Inoculum : Biodegradation  
Evaluation parameter : Aerobic  
Degradation rate : 99 %  
Test duration : 28 D  
Method : OECD 301B  
Parameter : CO2 formation (% of the theoretical value) ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5 )  
Inoculum : Biodegradation  
Evaluation parameter : Aerobic  
Evaluation : Poorly biodegradable.  
Method : OECD 301C

### 12.3 Bioaccumulative potential

Parameter : Bioconcentration factor (BCF) ( SODIUM PETROLEUM SULFONIC ACIDS ; CAS No. : 68608-26-4 )  
Value : 70,79  
Parameter : Log KOW ( SODIUM PETROLEUM SULFONIC ACIDS ; CAS No. : 68608-26-4 )  
Partition coefficient n-octanol/water (log value)  
Value : 22,12

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25 °C

No indication of bioaccumulation potential.

## 12.4 Mobility in soil

No information available.

## 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## 12.7 Other adverse effects

No information available.

## 12.8 Additional ecotoxicological information

Do not allow to enter into surface water or drains.

## 12.9 Assessment/classification

H412 - Harmful to aquatic life with long lasting effects.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Directive 2008/98/EC (Waste Framework Directive)

##### Before intended use

##### Waste codes/waste designations according to EWC/AVV

12 01 09\* (Machining emulsions and solutions free of halogens)

##### Other disposal recommendations

Dispose of waste according to applicable legislation. Dispose of contents/container to an appropriate recycling or disposal facility. Contaminated packages must be completely emptied and can be re-used following proper cleaning (Water (with cleaning agent)). Handle contaminated packages in the same way as the substance itself.

### 13.2 Additional information

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

## SECTION 14: Transport information

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

### 14.7 Maritime transport in bulk according to IMO instruments

not relevant

## SECTION 15: Regulatory information

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

### EU legislation

#### Authorisations and/or restrictions on use

##### Restrictions on use

Use restriction according to REACH annex XVII, no. : 3, 75

#### Other regulations (EU)

##### Regulation (EU) No 528/2012 (Biocidal products)

This product is a with biocidal products treated article.

Preservative ( 1,2-BENZISOTHIAZOL-3(2H)-ONE ; 3-IODOPROP-2-YN-1-YL BUTYLCARBAMATE )

### National regulations

#### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

#### Water hazard class

Classification according to AwSV - Class : 2 (Obviously hazardous to water)

## 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

01. Products Category [PC] · 02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Special rules for supplemental label elements for certain mixtures · 11. Toxicological information · 12. Ecological information · 15. Regulation (EU) No 528/2012 (Biocidal products) · 15. Water hazard class

### 16.2 Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (Europäisches Übereinkommen über die Beförderung gefährlicher Güter auf der Straße)

AOX: adsorbierbare organisch gebundene Halogene

AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen

CAS: Chemical Abstracts Service (Unterabteilung der American Chemical Society)

CLP: Verordnung (EG) Nr. 1272/2008 über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (Classification Labelling and Packaging)

EAK / AVV: europäischer Abfallartenkatalog / Abfallverzeichnis-Verordnung

ECHA: Europäische Chemikalienagentur (European Chemicals Agency)

EINECS: : Altstoffverzeichnis (European Inventory of Existing Commercial Chemical Substances)

GHS: Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien (Globally Harmonized System of Classification and Labelling of Chemicals)

IATA: Internationale Luftverkehrs-Vereinigung (International Air Transport Association)

ICAO: Internationale Zivilluftfahrtorganisation (International Civil Aviation Organization)

IMDG: Gefahrgutkennzeichnung für gefährliche Güter im Seeschiffverkehr (International Maritime Code for Dangerous Goods)

RID: Regelung zur internationalen Beförderung gefährlicher Güter im Schienenverkehr (Règlement concernant le transport international ferroviaire de marchandises dangereuses)

TRGS: Technische Regel für den Umgang mit Gefahrstoffen

VbF: Verordnung über brennbare Flüssigkeiten

VOC: flüchtige organische Verbindung (volatile organic compound)

VVEA: Verordnung über die Vermeidung und die Entsorgung von Abfällen

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

### 16.3 Key literature references and sources for data

DGUV: GESTIS-Stoffdatenbank

ECHA: Classification And Labelling Inventory

ECHA: Pre-registered Substances

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ECHA: Registered Substances  
EC Safety Data Sheet of Suppliers  
ESIS: European Chemical Substances Information System  
GDL: Gefahrstoffdatenbank der Länder  
UBA Rigoletto: Wassergefährdende Stoffe  
Regulation (EC) No. 1907/2006 of the European Parliament and of the Council  
|-> COMMISSION REGULATION (EU) 2020/878 of 18 June 2020  
Regulation (EC) No. 1272/2008 of the European Parliament and of the Council

## 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Evaluation :

Aquatic Chronic 3 Calculation method.

May produce an allergic reaction. : Calculation method.

Skin Corr. 1 : Data obtained by expert judgement.

Skin Irrit. 2 : Data obtained by expert judgement.

Eye Dam. 1 : Data obtained by expert judgement.

## 16.5 Relevant H- and EUH-phrases (Number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

## 16.6 Training advice

None

## 16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.