

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



## GREASE topSwitch

WM 0716160

Order number: 0716160

Version 2.3

Revision Date 12.07.2026

Print Date 14.07.2026

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

#### 1.1 Product identifier

Trade name : GREASE topSwitch  
UFI : U5Q7-E0NG-500P-YFVJ

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

Use of the Substance/Mixture : Cleaning agent  
Restricted to professional users.

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

Company : Tana Chemie GmbH  
Rheinallee 96  
55120 Mainz  
Telephone : +49613196403  
Telefax : +4961319642526  
E-mail address : Produktsicherheit@werner-mertz.com  
Responsible/issuing person  
Contact person : Product development / product safety

#### 1.4 Emergency telephone

EU: 112

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 H318: Causes serious eye damage.

Skin corrosion, Category 1 H314: Causes severe skin burns and eye damage.

#### 2.2 Label elements

##### Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H314 Causes severe skin burns and eye damage.

Precautionary Statements : P102 Keep out of reach of children.

**Prevention:**  
P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce

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vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
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.  
**Disposal:**  
P501 Dispose of container into the collection of recyclables only when it is completely empty.

Hazardous ingredients which must be listed on the label:

Alcohols, C12-14, ethoxylated  
(7 EO)  
D-Glucopyranose, oligomers,  
decyl octyl glycosides

Safety data sheet available on request.

### Classification in use concentration

5ml/4L; 5ml/0,75L; Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

| Chemical name                        | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number | Classification                                                                                                                                             | Concentration<br>(% w/w) |
|--------------------------------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Alcohols, C12-14, ethoxylated (7 EO) | 68439-50-9<br>500-213-3                               | Acute Tox. 4; H302<br>Eye Dam. 1; H318<br>Aquatic Chronic 3;<br>H412<br><br>M-Factor (Acute aquatic<br>toxicity): 1<br><br>specific concentration<br>limit | >= 20 - < 25             |

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|                                                       |                                                          |                                                                                                                       |             |
|-------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------|
|                                                       |                                                          | Eye Dam. 1; H318<br>> 10 %<br>Eye Irrit. 2; H319<br>> 1 - 10 %                                                        |             |
| ethanol                                               | 64-17-5<br>200-578-6<br>603-002-00-5<br>01-2119457610-43 | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br><hr/> specific concentration<br>limit<br>Eye Irrit. 2; H319<br>>= 50 %    | >= 5 - < 10 |
| Fatty acids, coco, potassium salts                    | 61789-30-8<br>263-049-9                                  | Eye Irrit. 2; H319                                                                                                    | >= 5 - < 10 |
| D-Glucopyranose, oligomers, decyl<br>octyl glycosides | 68515-73-1<br>500-220-1<br>01-2119488530-36              | Eye Dam. 1; H318<br><hr/> specific concentration<br>limit<br>Eye Dam. 1; H318<br>> 10 %<br>Eye Irrit. 2; H319<br>10 % | >= 3 - < 5  |

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
Protect unharmed eye.  
Continue rinsing eyes during transport to hospital.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.

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

- Symptoms : corrosive effects
- Risks : No information available.

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

Treatment : For specialist advice physicians should contact the Poisons Information Service.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.

### 6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.

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

Methods for cleaning up : Neutralize with acid.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations", Refer to section 15 for specific national regulation.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Vapors may form explosive mixtures with air.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

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

- Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at room temperature in the original container.
- Further information on storage stability : No decomposition if stored and applied as directed.

#### 7.3 Specific end use(s)

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

| Substance name | End Use   | Routes of exposure | Potential health effects   | Value      |
|----------------|-----------|--------------------|----------------------------|------------|
| ethanol        | Workers   | Inhalation         | Acute local effects        | 1900 mg/m3 |
|                | Workers   | Inhalation         | Long-term systemic effects | 950 mg/m3  |
|                | Workers   | Skin contact       | Long-term systemic effects | 343 mg/kg  |
|                | Consumers | Inhalation         | Acute local effects        | 950 mg/m3  |
|                | Consumers | Skin contact       | Long-term systemic effects | 206 mg/kg  |
|                | Consumers | Inhalation         | Long-term systemic effects | 114 mg/m3  |

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|                                                    |           |              |                            |              |
|----------------------------------------------------|-----------|--------------|----------------------------|--------------|
|                                                    | Consumers | Ingestion    | Long-term systemic effects | 87 mg/kg     |
|                                                    | Consumers | Skin contact | Acute local effects        | 950 mg/m3    |
| D-Glucopyranose, oligomers, decyl octyl glycosides | Workers   | Skin contact | Long-term systemic effects | 595000 mg/kg |
|                                                    | Workers   | Inhalation   | Long-term systemic effects | 420 mg/m3    |
|                                                    | Consumers | Skin contact | Long-term systemic effects | 357000 mg/kg |
|                                                    | Consumers | Inhalation   | Long-term systemic effects | 124 mg/m3    |
|                                                    | Consumers | Ingestion    | Long-term systemic effects | 35,7 mg/kg   |

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name                                     | Environmental Compartment  | Value        |
|----------------------------------------------------|----------------------------|--------------|
| ethanol                                            | Fresh water                | 0,96 mg/l    |
|                                                    | Sea water                  | 0,79 mg/l    |
|                                                    | Fresh water sediment       | 3,6 mg/kg    |
|                                                    | Soil                       | 0,63 mg/kg   |
|                                                    | STP                        | 580 mg/l     |
|                                                    | intermittent release       | 2,75 mg/l    |
| D-Glucopyranose, oligomers, decyl octyl glycosides | Fresh water                | 0,176 mg/l   |
|                                                    | Sea water                  | 0,0176 mg/l  |
|                                                    | intermittent release       | 0,27 mg/l    |
|                                                    | STP                        | 560 mg/l     |
|                                                    | Fresh water sediment       | 1,516 mg/kg  |
|                                                    | Sea sediment               | 0,152 mg/kg  |
|                                                    | Soil                       | 0,654 mg/kg  |
|                                                    | Oral (Secondary Poisoning) | 111,11 mg/kg |
| 1,2,3-Propanetricarboxylic acid, 2-                | Fresh water                | 0,44 mg/l    |

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|                                     |                      |            |
|-------------------------------------|----------------------|------------|
| hydroxy-, trisodium salt, dihydrate |                      |            |
|                                     | Sea water            | 0,044 mg/l |
|                                     | STP                  | 1000 mg/l  |
|                                     | Fresh water sediment | 34,6 mg/kg |
|                                     | Sea sediment         | 3,46 mg/kg |
|                                     | Soil                 | 33,1 mg/kg |

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Tightly fitting safety goggles

Hand protection

Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Remove and wash contaminated clothing before re-use.

Respiratory protection : Not required; except in case of aerosol formation.

Recommended Filter type:

ABEK-P3-filter

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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|                                        |                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------|
| Physical state                         | : liquid                                                                          |
| Color                                  | : yellow                                                                          |
| Odor                                   | : pleasant                                                                        |
| Melting point/freezing point           | : No data available                                                               |
| Boiling point/boiling range            | : No data available                                                               |
| Flammability (solid, gas)              | : No data available                                                               |
| Flammability (liquids)                 | : Not classified as supporting combustion according to the transport regulations. |
| Lower explosion limit                  | : at 36,5 °C                                                                      |
| Upper explosion limit                  | : No data available                                                               |
| Flash point                            | : 39,5 °C                                                                         |
| Ignition temperature                   | : No data available                                                               |
| Decomposition temperature              | : No data available                                                               |
| pH                                     | : ca. 12,7, 100 %<br>at 20 °C                                                     |
| Viscosity, dynamic                     | : No data available                                                               |
| Viscosity, kinematic                   | : No data available                                                               |
| Water solubility                       | : completely soluble                                                              |
| Solubility in other solvents           | : No data available                                                               |
| Partition coefficient: n-octanol/water | : No data available                                                               |
| Vapor pressure                         | : No data available                                                               |
| Density                                | : 1,015 g/cm <sup>3</sup> at 20 °C                                                |
| Relative density                       | : No data available                                                               |
| Relative vapor density                 | : No data available                                                               |
| Particle characteristics               | : No data available                                                               |

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.  
No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

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### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.  
No decomposition if used as directed.

### 10.4 Conditions to avoid

Conditions to avoid : No data available

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

## SECTION 11: Toxicological information

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

Our company is strongly against animal testing.  
Our company does not place any orders for animal testing for the finished product or the ingredients.  
However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

##### Components:

#### Alcohols, C12-14, ethoxylated (7 EO)

##### 68439-50-9:

Acute oral toxicity : LD50 Oral (Rat): 300 - 2.000 mg/kg  
Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg

#### ethanol

##### 64-17-5:

Acute oral toxicity : LD50 Oral (Rat): 10.470 mg/kg  
Method: OECD Test Guideline 401  
LD50 (Rat): 5.000 mg/kg  
Method: OECD Test Guideline 401  
Acute inhalation toxicity : LC50 (Rat): 51 mg/l  
Exposure time: 4 h  
Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
LD50 Dermal (Rabbit): > 10.000 mg/kg  
Method: OECD Test Guideline 402

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### D-Glucopyranose, oligomers, decyl octyl glycosides

#### 68515-73-1:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 401

Acute dermal toxicity : (Rabbit): > 2.000 mg/kg  
Method: OECD Test Guideline 402

### Skin corrosion/irritation

#### Product:

Remarks : Extremely corrosive and destructive to tissue.

#### Components:

##### ethanol

#### 64-17-5:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

### D-Glucopyranose, oligomers, decyl octyl glycosides

#### 68515-73-1:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Mild skin irritation

### Serious eye damage/eye irritation

#### Product:

Remarks : May cause irreversible eye damage.

#### Components:

##### ethanol

#### 64-17-5:

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Mild eye irritation

### D-Glucopyranose, oligomers, decyl octyl glycosides

#### 68515-73-1:

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Irreversible effects on the eye

### Respiratory or skin sensitization

#### Product:

Remarks : No data available

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### Components:

ethanol

**64-17-5:**

Result : Not a skin sensitizer.

**D-Glucopyranose, oligomers, decyl octyl glycosides**

**68515-73-1:**

Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Does not cause skin sensitization.

**Germ cell mutagenicity**

Germ cell mutagenicity : Not Rated

### Components:

**Alcohols, C12-14, ethoxylated (7 EO)**

**68439-50-9:**

Genotoxicity in vitro : Test Type: Ames test  
Result: negative

**D-Glucopyranose, oligomers, decyl octyl glycosides**

**68515-73-1:**

Genotoxicity in vitro : Test Type: Ames test  
Method: OECD Test Guideline 471  
Result: negative

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated

STOT-single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT-repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Repeated dose toxicity**

### Components:

ethanol

**64-17-5:**

Species : Rat, male  
NOAEL : > 20 mg/kg  
Method : OECD Test Guideline 403

Species : Rat, female  
NOAEL : 1.730 mg/kg  
Method : OECD Test Guideline 408

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Aspiration toxicity : Not Rated

### 11.2 Information on other hazards

#### Endocrine disrupting properties

##### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### Further information

##### Product:

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### Alcohols, C12-14, ethoxylated (7 EO), Alcohols, C12-14, ethoxylated

##### 68439-50-9:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 1 - 10 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203

LC50 (Fish): > 1 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 1 - 10 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

EC10 (Desmodesmus subspicatus (green algae)): 0,1 - 1 mg/l  
Exposure time: 72 h  
Test Type: static test

M-Factor (Acute aquatic toxicity) : 1

Toxicity to microorganisms : EC50 (Bacteria): 140 mg/l

Toxicity to soil dwelling organisms : 220 mg/kg  
Species: Eisenia fetida (earthworms)

Plant toxicity : 10 mg/l  
Species: Lepidium sativum (cress)  
Method: see user defined free text

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### ethanol

#### 64-17-5:

- Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 13 g/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- LC50 (*Leuciscus idus* (Golden orfe)): 8.150 mg/l  
Exposure time: 48 h
- LC50 (*Pimephales promelas* (fathead minnow)): > 0,1 g/l  
Exposure time: 96 h
- LC50 (Fish): 11.200 mg/l
- Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 12.340 mg/l  
Exposure time: 48 h
- EC50 : 5.012 mg/l
- Toxicity to algae/aquatic plants : EC50 (*Chlorella vulgaris* (Fresh water algae)): 275 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201
- EC50 (*Scenedesmus capricornutum* (fresh water algae)): 12.900 mg/l  
Exposure time: 48 h  
Test Type: Growth inhibition  
Method: No information available.
- EC0 (*Scenedesmus quadricauda* (Green algae)): 5.000 mg/l  
Exposure time: 168 h
- EC50 : 4.432 mg/l
- EC10 : 11,5 mg/l
- EC10 : 280 mg/l
- Toxicity to microorganisms : EC50 (*Pseudomonas putida*): 11.800 mg/l  
Exposure time: 16 h  
Test Type: Cell multiplication inhibition test

### D-Glucopyranose, oligomers, decyl octyl glycosides

#### 68515-73-1:

- Toxicity to fish : LC50 (*Brachydanio rerio* (zebrafish)): 100,81 mg/l  
Exposure time: 96 h
- NOEC (*Brachydanio rerio* (zebrafish)): 1,8 mg/l
- Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): > 100 mg/l  
Exposure time: 48 h
- NOEC (*Daphnia magna* (Water flea)): 1,0 mg/l
- Toxicity to algae/aquatic plants : EC50 (*Scenedesmus subspicatus*): 27,22 mg/l  
Exposure time: 72 h

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### 12.2 Persistence and degradability

#### Components:

**Alcohols, C12-14, ethoxylated (7 EO), Alcohols, C12-14. ethoxylated**

**68439-50-9:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: > 70 %  
Exposure time: 28 d  
Method: OECD 301 A

Result: rapidly biodegradable  
Biodegradation: > 60 %  
Exposure time: 28 d  
Method: OECD 301 B

**ethanol**

**64-17-5:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 97 %  
Method: OECD Test Guideline 301

**D-Glucopyranose, oligomers, decyl octyl glycosides**

**68515-73-1:**

Biodegradability : Result: rapidly biodegradable  
Biodegradation: 100 %  
Exposure time: 28 d  
Method: OECD 301 E

### 12.3 Bioaccumulative potential

#### Components:

**ethanol**

**64-17-5:**

Bioaccumulation : Concentration: 3,2 mg/l

Partition coefficient: n-octanol/water : log Pow: -0,32

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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### 12.7 Other adverse effects

#### Product:

Additional ecological information : There is no data available for this product.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

|                        |                                                                                                                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                | : Do not dispose of waste into sewer.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>In accordance with local and national regulations.                                                                            |
| Contaminated packaging | : Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.                                                                                                                                                           |
| Waste Code             | European Waste Catalog<br>20 01 29*<br>According to the European Waste Catalog, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. |

## SECTION 14: Transport information

### 14.1 UN number or ID number

#### **ADR**

Not dangerous goods

#### **RID**

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### **IATA**

Not dangerous goods

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

#### **ADR**

Not dangerous goods

#### **RID**

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### **IATA**

Not dangerous goods

### 14.4 Packing group

#### **ADR**

Not dangerous goods

#### **RID**

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### **IATA**

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Not dangerous goods

### 14.5 Environmental hazards

#### ADR

Not dangerous goods

#### RID

Not dangerous goods

#### IMDG

Not regulated as a dangerous good

#### IATA

Not dangerous goods

### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

For personal protection see section 8.

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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

TA Luft List (Germany) : Total dust: Not applicable  
: Inorganic substances in powdered form: Not applicable  
: Inorganic substances in vapor or gaseous form: Not applicable  
: Organic Substances: Not applicable  
: Carcinogenic substances: Not applicable  
: mutagenic: Not applicable  
: Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)  
Update: Percent volatile: 9,71 %

according to Detergents Regulation EC 648/2004 : 15 - <30% non-ionic surfactants, 5 - <15% soap, perfumes

### 15.2 Chemical Safety Assessment

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



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### SECTION 16: Other information

#### Full text of H-Statements

|      |   |                                                    |
|------|---|----------------------------------------------------|
| H225 | : | Highly flammable liquid and vapor.                 |
| H302 | : | Harmful if swallowed.                              |
| H318 | : | Causes serious eye damage.                         |
| H319 | : | Causes serious eye irritation.                     |
| H412 | : | Harmful to aquatic life with long lasting effects. |

#### Full text of other abbreviations

|                 |   |                                    |
|-----------------|---|------------------------------------|
| Acute Tox.      | : | Acute toxicity                     |
| Aquatic Chronic | : | Long-term (chronic) aquatic hazard |
| Eye Dam.        | : | Serious eye damage                 |
| Eye Irrit.      | : | Eye irritation                     |
| Flam. Liq.      | : | Flammable liquids                  |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### Further information

##### Classification of the mixture:

|              |      |
|--------------|------|
| Eye Dam. 1   | H318 |
| Skin Corr. 1 | H314 |

##### Classification procedure:

|                                     |
|-------------------------------------|
| Calculation method                  |
| Based on product data or assessment |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

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