

# SAFETY DATA SHEET

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



## TANET UNIVERSAL 10X1 L

WM 0716093

Order number: 0716093

Version 2.0

Revision Date 08.07.2026

Print Date 09.07.2026

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

#### 1.1 Product identifier

Trade name : TANET UNIVERSAL 10X1 L  
UFI :

#### 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)**

Not a hazardous substance or mixture.

#### 2.2 Label elements

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

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Safety data sheet available on request.

#### 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.

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### 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) |
|-------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| D-Glucopyranose, oligomers, decyl octyl glycosides    | 68515-73-1<br>500-220-1<br>01-2119488530-36           | Eye Dam. 1; H318<br><br>specific concentration limit<br>Eye Dam. 1; H318<br>> 10 %<br>Eye Irrit. 2; H319<br>10 %                                                               | >= 1 - < 3               |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | 68891-38-3<br>500-234-8<br>01-2119488639-16           | Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>Aquatic Chronic 3;<br>H412<br><br>specific concentration limit<br>Eye Irrit. 2; H319<br>5 - < 10 %<br>Eye Dam. 1; H318<br>>= 10,0 % | >= 1 - < 2,5             |

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.  
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.
- In case of eye contact : Protect unharmed eye.  
If easy to do, remove contact lens, if worn.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

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

- Symptoms : No information available.

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Risks : No information available.

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

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

## 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.

## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.

### 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 : Sweep up and shovel.  
Wipe up with absorbent material (e.g. cloth, fleece).  
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.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

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- Advice on safe handling : For personal protection see section 8.  
No special handling advice required.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : 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 : Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.
- Advice on common storage : No special restrictions on storage with other products.
- Further information on storage stability : No decomposition if stored and applied as directed.  
Protect from frost.

### 7.3 Specific end use(s)

- Specific use(s) : Cleaning agent

## 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        |
|-------------------------------------------------------|-----------|--------------------|----------------------------|--------------|
| 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   |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | Workers   | Inhalation         | Long-term systemic effects | 175 mg/m3    |
|                                                       | Consumers | Inhalation         | Long-term systemic effects | 52 mg/m3     |
|                                                       | Consumers | Ingestion          | Long-term systemic         | 15 mg/kg     |

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|  |           |              | effects                    | bw/day                   |
|--|-----------|--------------|----------------------------|--------------------------|
|  | Consumers | Skin contact | Long-term local effects    | 0,079 mg/cm <sup>2</sup> |
|  | Workers   | Skin contact | Long-term systemic effects | 5830 mg/kg bw/day        |
|  | Consumers | Skin contact |                            | 2500 mg/kg bw/day        |

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

| Substance name                                        | Environmental Compartment  | Value                          |
|-------------------------------------------------------|----------------------------|--------------------------------|
| 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                   |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | Fresh water                | 0,129 mg/l                     |
|                                                       | Sea water                  | 0,024 mg/l                     |
|                                                       | Fresh water sediment       | 4,835 mg/kg dry weight (d.w.)  |
|                                                       | Sea sediment               | 0,4835 mg/kg dry weight (d.w.) |
|                                                       | Soil                       | 7,5 mg/kg dry weight (d.w.)    |
|                                                       | STP                        | 10000 mg/l                     |
|                                                       | intermittent release       | 0,071 mg/l                     |

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : not required under normal use

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Hand protection

Material : not required under normal use

Material : For prolonged or repeated contact use protective gloves.

It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.

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 : not required under normal use

Respiratory protection : not required under normal use

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### SECTION 9: Physical and chemical properties

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

|                              |                     |
|------------------------------|---------------------|
| 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)       | : No data available |
| Lower explosion limit        | : No data available |
| Upper explosion limit        | : No data available |
| Flash point                  | : does not flash    |
| Ignition temperature         | : No data available |

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|                                            |                                        |
|--------------------------------------------|----------------------------------------|
| Decomposition temperature                  | : No data available                    |
| pH                                         | : ca. 9,4, 100 %<br>at 20 °C           |
| Viscosity, dynamic                         | : No data available                    |
| Viscosity, kinematic                       | : No data available                    |
| Water solubility                           | : soluble                              |
| Solubility in other solvents               | : No data available                    |
| Partition coefficient: n-<br>octanol/water | : No data available                    |
| Vapor pressure                             | : No data available                    |
| Density                                    | : ca. 1,011 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.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost.

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.  
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.

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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

Not classified due to lack of data.

Acute toxicity : Not Rated

### Components:

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

##### 68515-73-1:

|                       |   |                                                              |
|-----------------------|---|--------------------------------------------------------------|
| Acute oral toxicity   | : | LD50 (Rat): > 5.000 mg/kg<br>Method: OECD Test Guideline 401 |
| Acute dermal toxicity | : | (Rabbit): > 2.000 mg/kg<br>Method: OECD Test Guideline 402   |

#### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

##### 68891-38-3:

|                       |   |                                                                                 |
|-----------------------|---|---------------------------------------------------------------------------------|
| Acute oral toxicity   | : | LD50 (Rat): 2.000 - 5.000 mg/kg<br>Method: OECD Test Guideline 401              |
| Acute dermal toxicity | : | LD50 Dermal (Rat): > 2.000 mg/kg<br>Method: OECD Test Guideline 402<br>GLP: yes |

### Skin corrosion/irritation

Not classified due to lack of data.

### Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

### Components:

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

##### 68515-73-1:

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

#### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

##### 68891-38-3:

|            |   |                         |
|------------|---|-------------------------|
| Species    | : | Rabbit                  |
| Assessment | : | Irritating to skin.     |
| Method     | : | OECD Test Guideline 404 |

### Serious eye damage/eye irritation

Not classified due to lack of data.

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### Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

### Components:

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

##### 68515-73-1:

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

#### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

##### 68891-38-3:

|            |   |                                 |
|------------|---|---------------------------------|
| Species    | : | Rabbit                          |
| Assessment | : | Risk of serious damage to eyes. |
| Method     | : | OECD Test Guideline 405         |

### Respiratory or skin sensitization

#### Skin sensitization

Not classified due to lack of data.

#### Respiratory sensitization

Not classified due to lack of data.

### Product:

Remarks : No data available

### Components:

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

##### 68515-73-1:

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

#### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

##### 68891-38-3:

|                    |   |                                    |
|--------------------|---|------------------------------------|
| Routes of exposure | : | Dermal                             |
| Species            | : | Guinea pig                         |
| Result             | : | Does not cause skin sensitization. |

### Germ cell mutagenicity

Not classified due to lack of data.

Germ cell mutagenicity : Not Rated

### Components:

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

##### 68515-73-1:

|                       |   |                                                         |
|-----------------------|---|---------------------------------------------------------|
| Genotoxicity in vitro | : | Test Type: Ames test<br>Method: OECD Test Guideline 471 |
|-----------------------|---|---------------------------------------------------------|

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Result: negative

### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

#### 68891-38-3:

Genotoxicity in vitro : Method: OECD Test Guideline 471  
Result: negative

### Carcinogenicity

Not classified due to lack of data.

Carcinogenicity : Not Rated

### Reproductive toxicity

Not classified due to lack of data.

Reproductive toxicity : Not Rated

### STOT-single exposure

Not classified due to lack of data.

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

### STOT-repeated exposure

Not classified due to lack of data.

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

### Aspiration toxicity

Not classified due to lack of data.

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

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

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

###### **68515-73-1:**

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

##### **Alcohols, C12-14, ethoxylated, sulfates, sodium salts**

###### **68891-38-3:**

|                                                     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Toxicity to fish                                    | : | LC50 (Danio rerio (zebra fish)): 7,1 mg/l<br>Exposure time: 96 h<br>Test Type: flow-through test<br>Method: OECD Test Guideline 203<br>GLP: yes<br><br>LC50 (Fish): > 1 - 10 mg/l<br>Test Type: flow-through test<br>Method: OECD Test Guideline 203<br><br>LC50 (Leuciscus idus (Golden orfe)): 10 - 100 mg/l<br>Method: OECD Test Guideline 203<br><br>NOEC (Oncorhynchus mykiss (rainbow trout)): 0,14 mg/l<br>Exposure time: 28 d<br>Test Type: flow-through test<br>Method: OECD Test Guideline 204<br><br>LC50 (Brachydanio rerio (zebrafish)): 1 - 10 mg/l<br>Exposure time: 96 h<br>Test Type: flow-through test<br>Method: OECD Test Guideline 203<br><br>LC50 (Brachydanio rerio (zebrafish)): 7,1 mg/l<br>Exposure time: 96 h<br><br>NOEC (Fish): 0,1 - 1 mg/l<br>Exposure time: 28 Days |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia pulex (Water flea)): 7,4 mg/l<br>Exposure time: 48 h<br>Test Type: Immobilization<br>Method: OECD Test Guideline 202<br><br>EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l<br>Exposure time: 48 h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|                                     |                                                                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | Test Type: static test<br>Method: OECD Test Guideline 202                                                                                                       |
|                                     | NOEC (Daphnia magna (Water flea)): 0,27 mg/l<br>Exposure time: 21 d<br>Test Type: flow-through test<br>Method: OECD Test Guideline 211                          |
|                                     | EC50 (Daphnia): 1 - 10 mg/l<br>Exposure time: 48 h                                                                                                              |
|                                     | NOEC (Daphnia): 0,1 - 1 mg/l<br>Exposure time: 21 Days                                                                                                          |
| Toxicity to algae/aquatic plants    | : EC50 (Desmodesmus subspicatus (green algae)): 27,7 mg/l<br>Exposure time: 72 h<br>Test Type: Growth inhibition<br>Method: OECD Test Guideline 201<br>GLP: yes |
|                                     | EC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l<br>Exposure time: 72 h<br>Test Type: static test<br>Method: OECD Test Guideline 201               |
|                                     | NOEC : 0,95 mg/l<br>Test Type: Growth inhibition<br>Method: OECD Test Guideline 201                                                                             |
|                                     | NOEC (Desmodesmus subspicatus (green algae)): 0,93 mg/l<br>Exposure time: 72 h<br>Test Type: static test<br>Method: OECD Test Guideline 201                     |
|                                     | EC50 (algae): 27,7 mg/l<br>Exposure time: 72 h<br>Test Type: Growth inhibition                                                                                  |
|                                     | NOEC (algae): 0,93 mg/l<br>Exposure time: 72 h                                                                                                                  |
|                                     | EC50 (algae): 10 - 100 mg/l<br>Exposure time: 72 h                                                                                                              |
|                                     | NOEC (algae): 0,1 - 1 mg/l<br>Exposure time: 72 h                                                                                                               |
| Toxicity to microorganisms          | : EC50 (Pseudomonas putida): > 10 g/l<br>Exposure time: 16 h<br>Test Type: Cell multiplication inhibition test<br>Method: DIN 38412<br>GLP: yes                 |
|                                     | EC10 (Pseudomonas putida): > 10 g/l<br>Exposure time: 16 h<br>Test Type: Cell multiplication inhibition test                                                    |
| Toxicity to fish (Chronic toxicity) | : NOEC: 1 - 10 mg/l<br>Species: Leuciscus idus (Golden orfe)                                                                                                    |
|                                     | NOEC: 0,14 mg/l                                                                                                                                                 |

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|                                                                        |                                                                                                                                                                                            |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                        | Exposure time: 28 d<br>Species: Oncorhynchus mykiss (rainbow trout)<br>Method: OECD Test Guideline 204                                                                                     |
|                                                                        | NOEC: 0,2 mg/l<br>Exposure time: 28 d<br>Species: Fish                                                                                                                                     |
|                                                                        | NOEC: > 0,1 - 1 mg/l<br>Exposure time: 28 d<br>Species: Oncorhynchus mykiss (rainbow trout)<br>Method: OECD Test Guideline 204                                                             |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : NOEC: > 0,1 - 1 mg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea)<br>Method: OECD Test Guideline 211                                                                    |
|                                                                        | EC50: 0,37 mg/l<br>Exposure time: 21 d                                                                                                                                                     |
|                                                                        | 0,74 mg/l<br>Exposure time: 21 d                                                                                                                                                           |
|                                                                        | NOEC: 0,27 mg/l<br>Exposure time: 21 d                                                                                                                                                     |
| Toxicity to soil dwelling organisms                                    | : NOEC: 750 mg/kg<br>Exposure time: 56 d<br>Species: Eisenia fetida (earthworms)<br>Method: OECD Test Guideline 222<br>Remarks: Information taken from reference works and the literature. |

### 12.2 Persistence and degradability

#### Components:

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

###### **68515-73-1:**

|                  |                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------|
| Biodegradability | : Result: rapidly biodegradable<br>Biodegradation: 100 %<br>Exposure time: 28 d<br>Method: OECD 301 E |
|------------------|-------------------------------------------------------------------------------------------------------|

##### **Alcohols, C12-14, ethoxylated, sulfates, sodium salts**

###### **68891-38-3:**

|                  |                                                                                                                              |
|------------------|------------------------------------------------------------------------------------------------------------------------------|
| Biodegradability | : Test Type: aerobic<br>Result: rapidly biodegradable<br>Biodegradation: > 70 %<br>Exposure time: 28 d<br>Method: OECD 301 A |
|                  | Test Type: anaerobic<br>Result: Biodegradable<br>Biodegradation: > 60 %<br>Exposure time: 41 d<br>Method: OECD 301 D         |
|                  | Result: Readily biodegradable.<br>Biodegradation: 93 %                                                                       |

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|                                 |                                    |
|---------------------------------|------------------------------------|
|                                 | Exposure time: 28 d                |
| Biochemical Oxygen Demand (BOD) | : 285 mg/g<br>Incubation time: 5 d |
| Chemical Oxygen Demand (COD)    | : 518 mg/g                         |

### 12.3 Bioaccumulative potential

#### Components:

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### 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.

#### Components:

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Assessment : Not very persistent and very bioaccumulative (vPvB).. Not persistent, bioaccumulative, and toxic (PBT).

### 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.

### 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                | : In accordance with local and national regulations.                                                                          |
| Contaminated packaging | : Empty remaining contents.<br>Empty containers should be taken to an approved waste handling site for recycling or disposal. |

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Waste Code

European Waste Catalog

20 01 29\*

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**

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.

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### SECTION 15: Regulatory information

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

|                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)              | : 77-92-9<br>1310-73-2<br>5392-40-5<br>See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals                          | : Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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<br>: Inorganic substances in powdered form: Not applicable<br>: Inorganic substances in gaseous form: Not applicable<br>: Carcinogenic substance: Not applicable<br>: Quartz fine dust PM4: Not applicable<br>: Formaldehyde: Not applicable<br>: fibers: Not applicable<br>: Germ cell mutagens: Not applicable<br>: Substances toxic to reproduction: : < 0,01 %<br>: Poorly degradable, easily enrichable and highly toxic organic substances: Not applicable<br>: Organic Substances: : portionClass 1: 0,35 % |
| Volatile organic compounds (VOC) content                                                                                                                | : Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)<br>Update: Percent volatile: < 0,01 %                                                                                                                                                                                                                                                                                                                                                                    |
| according to Detergents Regulation EC 648/2004                                                                                                          | : <5% anionic surfactants, non-ionic surfactants, perfumes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

#### 15.2 Chemical Safety Assessment

### SECTION 16: Other information

#### Full text of H-Statements

|      |                                                      |
|------|------------------------------------------------------|
| H315 | : Causes skin irritation.                            |
| H318 | : Causes serious eye damage.                         |
| H412 | : Harmful to aquatic life with long lasting effects. |

#### Full text of other abbreviations

|                 |                                      |
|-----------------|--------------------------------------|
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Eye Dam.        | : Serious eye damage                 |
| Skin Irrit.     | : Skin irritation                    |

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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:

#### Classification procedure:

Calculation method

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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