



## **ACTIV delicat 2x5 l**

**WM 0712602**

**Order number: 0712602**

Version 5.0

Revision Date 10.11.2018

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

#### **1.1 Product identifier**

Trade name : ACTIV delicat 2x5 l  
Identification number : 61676

#### **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 : +4961319642414  
E-mail address : Produktsicherheit@werner-mertz.com  
Responsible/issuing person  
Contact person : Product development / product safety

#### **1.4 Emergency telephone number**

+49(0)6131-19240

### **SECTION 2: Hazards identification**

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

#### **2.2 Label elements**

##### **Labelling (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

##### **Additional Labelling:**

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.  
No information available.  
No information available.

### **SECTION 3: Composition/information on ingredients**

#### **3.2 Mixtures**

Chemical nature : Aqueous surfactant solution.



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### Hazardous components

| Chemical name  | CAS-No.<br>EC-No.<br>Registration number | Classification  | Concentration<br>(% w/w) |
|--|--|---|--------------------------|
| Alcohols, C12-14, ethoxylated (7 EO)                     | 68439-50-9<br>932-106-6                  | Acute Tox. 4; H302<br>Eye Dam. 1; H318<br>Aquatic Chronic 3;<br>H412<br><br>SCL<br>> 10 % 1; H318<br>> 1 - 10 % 2; H319     | >= 10 - < 15             |
| ethanol  | 64-17-5<br>200-578-6<br>01-2119457610-43 | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br><br>SCL<br>>= 50 % 2; H319  | >= 5 - < 10              |
| Alcohols, C12-14, ethoxylated,<br>sulfates, sodium salts | 68891-38-3<br><br>01-2119488639-16       | Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>Aquatic Chronic 3;<br>H412<br><br>SCL<br>5 - < 10 % 2; H319<br>>= 10,0 % 1; H318 | >= 3 - < 5               |
| Fatty acids, C14-18 and C16-18-<br>unsatd., sodium salts | 67701-11-5<br>266-935-3                  | Eye Irrit. 2; H319<br>Skin Irrit. 2; H315   | >= 1 - < 2               |
| D-Glucopyranose, oligomeric, C10-<br>16-alkyl glycosides | 110615-47-9<br><br>01-2119489418-23      | Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br><br>SCL<br>> 12 - 30 % 1; H318<br>1 - 12 % 2; H319                               | >= 1 - < 2               |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.  
No hazards which require special first aid measures.



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- |                         |  |
|-------------------------|--|
| If inhaled              | : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.<br>If symptoms persist, call a physician.                      |
| In case of skin contact | : Take off contaminated clothing and shoes immediately.<br>Wash off with soap and plenty of water.   |
| In case of eye contact  | : Protect unharmed eye.<br>If easy to do, remove contact lens, if worn.<br>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.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person. |

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

- |          |  |
|----------|--|
| Symptoms | : No information available.<br><br>No information available. |
| Risks    | : No information available.<br><br>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.<br><br>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 firefighting | : 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 firefighters | : In the event of fire, wear self-contained breathing apparatus. |
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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 : Do not flush into surface water or sanitary sewer system.

#### **6.3 Methods and materials 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**

Advice on safe handling : For personal protection see section 8. No special handling advice required. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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.

Other data : No decomposition if stored and applied as directed.

#### **7.3 Specific end use(s)**

Specific use(s) : Cleaning agent



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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.  
Contains no substances with occupational exposure limit values.

#### DNEL

**ethanol**  
**64-17-5:**

: End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Acute local effects  
Value: 1900 mg/m<sup>3</sup>

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 950 mg/m<sup>3</sup>

End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 343 mg/kg

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Acute local effects  
Value: 950 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 206 mg/kg

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 114 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: Long-term systemic effects  
Value: 87 mg/kg

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Acute local effects  
Value: 950 mg/m<sup>3</sup>

**Alcohols, C12-14, ethoxylated,** : End Use: Workers



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**sulfates, sodium salts**  
**68891-38-3:**

Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 2750 mg/kg

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 175 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 1650 mg/kg

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 52 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: Long-term systemic effects  
Value: 15 mg/kg

End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term local effects  
Value: 0,132 mg/cm<sup>2</sup>

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term local effects  
Value: 0,079 mg/cm<sup>2</sup>

**D-Glucopyranose, oligomeric,**  
**C10-16-alkyl glycosides**  
**110615-47-9:**

End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 595000 mg/kg

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 420 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 357000 mg/kg

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 124 mg/m<sup>3</sup>

End Use: Consumers

# SAFETY DATA SHEET

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Exposure routes: Ingestion  
Potential health effects: Long-term systemic effects  
Value: 35,7 mg/kg

### PNEC

**ethanol**  
**64-17-5:**

: Fresh water  
Value: 0,96 mg/l

Marine water  
Value: 0,79 mg/l

Fresh water sediment  
Value: 3,6 mg/kg

Soil  
Value: 0,63 mg/kg

STP  
Value: 580 mg/l

intermittent release  
Value: 2,75 mg/l

**Alcohols, C12-14, ethoxylated,**  
**sulfates, sodium salts**  
**68891-38-3:**

: Fresh water  
Value: 0,24 mg/l

Marine water  
Value: 0,024 mg/l

STP  
Value: 10000 mg/kg

intermittent release  
Value: 0,071 mg/l

Fresh water sediment  
Value: 5,45 mg/kg

Marine sediment  
Value: 0,545 mg/kg

**D-Glucopyranose, oligomeric,**  
**C10-16-alkyl glycosides**  
**110615-47-9:**

: Fresh water  
Value: 0,176 mg/l

Marine water  
Value: 0,018 mg/l

Fresh water sediment  
Value: 1,516 mg/kg

Marine sediment  
Value: 0,065 mg/kg



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Soil  
Value: 0,654 mg/kg

STP  
Value: 5000 mg/l

intermittent release  
Value: 0,0295 mg/l

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : not required under normal use

#### Hand protection

Material : not required under normal use

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 374-1: 2003 (0,4 mm).  
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 : 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.

not required under normal use

Respiratory protection : not required under normal use

#### Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid



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according to Regulation (EC) No. 1907/2006



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|  |   |
|--|---|
| Colour                                 | : cloudy  |
| Odour                                  | : characteristic  |
| Odour Threshold                        | : No data available   |
| pH                                     | : ca. 8,2   |
| Melting point/range                    | : No data available   |
| Boiling point/boiling range            | : No information available.   |
| Flash point                            | : ca. 58,1 °C   |
| Evaporation rate                       | : No data available   |
| Flammability (solid, gas)              | : No data available   |
| Flammability (liquids)                 | : Not classified as supporting combustion according to the transport regulations. |
| Burning rate                           | : No data available   |
| Lower explosion limit                  | : No data available   |
| Upper explosion limit                  | : No data available   |
| Vapour pressure                        | : No data available   |
| Relative vapour density                | : No data available   |
| Relative density                       | : No data available   |
| Density                                | : ca. 1,030 g/cm <sup>3</sup>   |
| Water solubility                       | : soluble   |
| Solubility in other solvents           | : No data available   |
| Partition coefficient: n-octanol/water | : No data available   |
| Ignition temperature                   | : No data available   |
| Thermal decomposition                  | : No data available   |
| Viscosity, dynamic                     | : ca. 110 mPa.s at 20 °C  |
| Viscosity, kinematic                   | : No data available   |
| Explosive properties                   | : No data available   |
| Oxidizing properties                   | : No data available   |

### 9.2 Other information

none



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### 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 : No data available

#### 10.5 Incompatible materials

Materials to avoid : No data available

#### 10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.  
Other information : No hazardous decomposition products are known.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Product

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

Skin corrosion/irritation : No skin irritation  
No skin irritation

Serious eye damage/eye irritation : No eye irritation  
No eye irritation

Respiratory or skin sensitisation : No data available  
No data available

Germ cell mutagenicity : Not Rated

Carcinogenicity : Not Rated



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|                          |  |
|--------------------------|--|
| 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. |
| Aspiration toxicity      | : Not Rated  |
| Further information      | : No data available  |
|                          | : No data available  |

### 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  |
| Germ cell mutagenicity |  |
| Genotoxicity in vitro  | : Type: Ames test<br>Result: negative  |
| Reproductive toxicity  | : Species: Rat<br>NOAEL: > 250 mg/kg,<br>F1: > 250 mg/kg,<br>F2: > 250 mg/kg   |
| Teratogenicity         | : Species: Rat<br>Application Route: Oral<br>>50 mg/kg<br>> 50 mg/kg<br><br>Species: Rat<br>Application Route: Dermal<br>>250 mg/kg<br>> 250 mg/kg |

### **ethanol**

##### **64-17-5:**

|                     |  |
|---------------------|--|
| Acute oral toxicity | : LD50 Oral Rat: 10.470 mg/kg<br>Method: OECD Test Guideline 401 |
|---------------------|--|



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|                                   |  |
|-----------------------------------|--|
|                                   | LD50 Rat: 5.000 mg/kg<br>Method: OECD Test Guideline 401   |
| Acute inhalation toxicity         | : LC50 Rat: 51 mg/l<br>Exposure time: 4 h  |
| Acute dermal toxicity             | : LD50 Dermal Rabbit: > 2.000 mg/kg<br>Method: OECD Test Guideline 402   |
|                                   | LD50 Dermal Rabbit: > 10.000 mg/kg<br>Method: OECD Test Guideline 402  |
| Skin corrosion/irritation         | : Species: Rabbit<br>Result: No skin irritation<br>Method: OECD Test Guideline 404   |
| Serious eye damage/eye irritation | : Species: Rabbit<br>Result: Mild eye irritation<br>Method: OECD Test Guideline 405  |
| Respiratory or skin sensitisation | : Species: Mouse<br>Result: Does not cause skin sensitisation.<br>Method: see user defined free text   |
| Reproductive toxicity             | : Species: Rat<br>Application Route: Oral<br>NOAEL: 5.200 mg/kg<br><br>Species: Rat<br>Application Route: Oral<br>NOAEL: 13.800 mg/kg<br><br>Species: Rat<br>Application Route: Inhalation<br>NOAEL: 30400 mg/m3 |
| Repeated dose toxicity            | : Rat, male: NOAEL: > 20 mg/kg<br><br>Method: OECD Test Guideline 403<br><br>Rat, female: NOAEL: 1.730 mg/kg<br><br>Method: OECD Test Guideline 408  |

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

68891-38-3:

|                     |   |
|---------------------|---|
| Acute oral toxicity | : LD50 Oral Rat: 2.870 mg/kg<br>Method: OECD Test Guideline 401 |
|---------------------|---|



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|                                   |  |
|-----------------------------------|--|
| Acute dermal toxicity             | : LD50 Rat: > 2.000 mg/kg<br>Method: OECD Test Guideline 402<br>GLP: yes   |
| Skin corrosion/irritation         | : Species: Rabbit<br>Method: OECD Test Guideline 404   |
| Serious eye damage/eye irritation | : Species: Rabbit<br>Method: OECD Test Guideline 405   |
| Respiratory or skin sensitisation | : Result: Does not cause skin sensitisation.   |
| Germ cell mutagenicity            |  |
| Genotoxicity in vitro             | : Result: negative<br>Method: OECD Test Guideline 471  |
| Reproductive toxicity             | : Species: Rat<br>Application Route: Oral<br>NOAEL: > 300 mg/kg,<br>F1: > 300 mg/kg, Method: OECD Test Guideline 416 |
| Teratogenicity                    | : Species: Rat<br>Application Route: Oral<br>>1.000 mg/kg<br>> 1.000 mg/kg<br>Method: OECD Test Guideline 414        |
| Repeated dose toxicity            | : NOAEL: 300 mg/kg   |
| STOT - repeated exposure          | : Exposure routes: Ingestion<br>Target Organs: Liver   |

### D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

#### 110615-47-9:

|                       |  |
|-----------------------|--|
| Acute oral toxicity   | : LD50 Oral : > 5.000 mg/kg                                      |
| Acute dermal toxicity | : LD50 Dermal : > 5.000 mg/kg<br>Method: OECD Test Guideline 402 |

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:



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### Components:

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

##### **68439-50-9:**

|   |  |
|---|--|
| Toxicity to fish                                    | : LC50 (Cyprinus carpio (Carp)): > 1 - 10 mg/l<br>Exposure time: 96 h<br>Test Type: flow-through test<br>Method: OECD Test Guideline 203<br><br>LC50 (Fish): > 1 mg/l<br>Exposure time: 96 h   |
| Toxicity to daphnia and other aquatic invertebrates | : EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l<br>Exposure time: 48 h<br>Test Type: static test<br>Method: OECD Test Guideline 202   |
| Toxicity to algae                                   | : EC50 (Desmodesmus subspicatus (green algae)): 1 - 10 mg/l<br>Exposure time: 72 h<br>Test Type: static test<br>Method: OECD Test Guideline 201<br><br>EC10 (Desmodesmus subspicatus (green algae)): 0,1 - 1 mg/l<br>Exposure time: 72 h<br>Test Type: static test |
| M-Factor (Acute aquatic toxicity)                   | : 1  |
| Toxicity to bacteria                                | : EC50 (Bacteria): 140 mg/l  |
| Toxicity to soil dwelling organisms                 | : 220 mg/kg<br>Species: Eisenia fetida (earthworms)  |
| Plant toxicity                                      | : 10 mg/l<br>Species: Lepidium sativum (cress)<br>Method: see user defined free text   |

#### **ethanol**

##### **64-17-5:**

|   |   |
|---|---|
| Toxicity to fish                                    | : LC50 (Oncorhynchus mykiss (rainbow trout)): 13 g/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203<br><br>LC50 (Leuciscus idus (Golden orfe)): 8.150 mg/l<br>Exposure time: 48 h<br><br>LC50 (Pimephales promelas (fathead minnow)): > 0,1 g/l<br>Exposure time: 96 h<br><br>LC50 (Fish): 11.200 mg/l |
| Toxicity to daphnia and other aquatic invertebrates | : EC50 (Daphnia magna (Water flea)): 12.340 mg/l<br>Exposure time: 48 h<br><br>EC50 : 5.012 mg/l  |



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|                      |   |   |
|----------------------|---|---|
| Toxicity to algae    | : | 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   |
| Toxicity to bacteria |   | 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  |
| Toxicity to bacteria |   | EC10 : 280 mg/l   |
|                      | : | EC50 (Pseudomonas putida): 11.800 mg/l                            |
|                      |   | Exposure time: 16 h   |
| Toxicity to bacteria |   | Test Type: Cell multiplication inhibition test                    |

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

68891-38-3:

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



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|  | Exposure time: 48 h<br>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                          |
| Toxicity to algae  | : 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 (Scenedesmus subspicatus): 10 - 100 mg/l<br>Method: OECD Test Guideline 201  |
|  | 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                     |
| Toxicity to bacteria   | : 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>Test Type: Cell multiplication inhibition test<br>GLP:   |
| Toxicity to fish (Chronic toxicity)                                    | : NOEC: 1,2 mg/l  |
|  | NOEC: 1 - 10 mg/l<br>Species: Leuciscus idus (Golden orfe)  |
|  | NOEC: 0,14 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)  |





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|  |  |
|--|--|
|  | Method: OECD Test Guideline 211  |
| Toxicity to soil dwelling organisms                                    | : NOEC: 750 mg/kg<br>Exposure time: 96 d<br>Species: Eisenia fetida (earthworms)<br>Method: OECD Test Guideline 222  |
| <b>D-Glucopyranose, oligomeric, C10-16-alkyl glycosides</b>            |  |
| <b>110615-47-9:</b>  |  |
| Toxicity to fish   | : LC50 (Fish): > 1 - 10 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203<br><br>LC50 (Brachydanio rerio (zebrafish)): 2,95 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203                                      |
| Toxicity to daphnia and other aquatic invertebrates                    | : EC50 (Daphnia (water flea)): > 10 - 100 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202<br><br>EC50 (Daphnia magna (Water flea)): 7 mg/l<br>Exposure time: 48 h   |
| Toxicity to algae  | : EC50 : > 10 - 100 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201<br><br>EC50 (Desmodesmus subspicatus (green algae)): 12,5 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201                                  |
| Toxicity to bacteria   | : EC0 (Pseudomonas putida): > 100 mg/l<br>Exposure time: 16 h<br>Method: DIN 38412   |
| Toxicity to fish (Chronic toxicity)                                    | : NOEC: > 1 mg/l<br>Exposure time: 28 d<br>Species: Brachydanio rerio<br>Method: OECD Test Guideline 204<br><br>NOEC: 1,8 mg/l<br>Exposure time: 28 d<br>Species: Brachydanio rerio<br>Method: OECD Test Guideline 204                       |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : NOEC: > 1 mg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea)<br>Method: see user defined free text<br><br>EC10: 1,76 mg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea)<br>Method: OECD Test Guideline 202 |



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### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

#### Components:

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

###### **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

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

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

Biodegradability : Test Type: aerobic  
Result: rapidly biodegradable  
Biodegradation: > 70 %  
Exposure time: 28 d  
Method: OECD 301 A

##### **D-Glucopyranose, oligomeric, C10-16-alkyl glycosides**

###### **110615-47-9:**

Biodegradability : Result: rapidly biodegradable  
Method: OECD Test Guideline 301

### 12.3 Bioaccumulative potential

#### Components:

##### **ethanol**

###### **64-17-5:**

Bioaccumulation : Concentration: 3,2 mg/l

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

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

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



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Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

110615-47-9:

Partition coefficient: n-octanol/water : log Pow: < -0,07 (20 °C)

## 12.4 Mobility in soil

### Components:

#### ethanol

64-17-5:

Distribution among environmental compartments : Koc: 1Remarks: Highly mobile in soils

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

68891-38-3:

Distribution among environmental compartments : Adsorption/Soil  
Medium: Soil  
Koc: 191Method: see user defined free text

## 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 : This substance is not considered to be very persistent and very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating and toxic (PBT)..

## 12.6 Other adverse effects

### Product:

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

There is no data available for this product.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.



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Waste Code

European Waste Catalogue  
200129

According to the European Waste Catalogue, 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

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

#### 14.2 Proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

#### 14.4 Packing group

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

#### 14.5 Environmental hazards

ADR

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

For personal protection see section 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

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, preparations and articles (Annex XVII) : Not applicable

: Directive 96/82/EC does not apply

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

: Total dust: Not applicable  
: Total dust: Not applicable  
: Inorganic substances in powdered form: Not applicable  
: Inorganic substances in powdered form: Not applicable  
: Inorganic substances in vapour or gaseous form: Not applicable  
: Inorganic substances in vapour or gaseous form: Not applicable  
: Organic Substances: Not applicable  
: Organic Substances: Not applicable  
: Carcinogenic substances: Not applicable  
: Carcinogenic substances: Not applicable  
: Mutagenic: Not applicable  
: Mutagenic: Not applicable  
: Toxic to reproduction: Not applicable  
: Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Update: Percent volatile: 5,91 %  
229,37 g/l  
VOC content excluding water

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Update: Percent volatile: 5,91 %  
60,83 g/l  
VOC content valid only for coating materials used on wood surfaces

according to Detergents Regulation EC 648/2004 : 5 - <15% Non-ionic surfactants, <5% Anionic surfactants, Soap, Enzymes, Perfumes, AMYLASE, PROTEASE, CELLULASE

GISBAU (D) : no assignment possible

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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### 15.2 Chemical safety assessment

There is no data available for this product.

## SECTION 16: Other information

### Full text of H-Statements

|      |  |
|------|--|
| H225 | Highly flammable liquid and vapour.                |
| H302 | Harmful if swallowed.                              |
| H315 | Causes skin irritation.                            |
| H318 | Causes serious eye damage.                         |
| H319 | Causes serious eye irritation.                     |
| H412 | Harmful to aquatic life with long lasting effects. |

### Further information

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Classification procedure:

On basis of test data.

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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 Standardisation; 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 Organisation 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, Authorisation 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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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