



## TASKI Jontec Tensol F3c

Revision: 2023-06-30

Version: 05.2

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

#### 1.1 Product identifier

**Trade name:** TASKI Jontec Tensol F3c

UFI: 4N85-G04P-D005-G24R

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

**Product use:**

Floor cleaner.

For professional use only.

**Uses advised against:**

Uses other than those identified are not recommended.

**SWED - Sector-specific worker exposure description :**

AISE\_SWED\_PW\_8a\_2

AISE\_SWED\_PW\_8b\_2

AISE\_SWED\_PW\_4\_1

AISE\_SWED\_PW\_10\_1

AISE\_SWED\_PW\_19\_1

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

Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

**Contact details**

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Hesthálsi 12, 110 Reykjavík

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#### 1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible).

Poison Center: (+354) 543-2222

Emergency services: 112.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Eye Irrit. 2 (H319)

#### 2.2 Label elements



**Signal word:** Warning.

**Hazard statements:**

H319 - Causes serious eye irritation.

#### 2.3 Other hazards

No other hazards known.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

| Ingredient(s) | EC number | CAS number | REACH number | Classification | Notes | Weight percent |
|---------------|-----------|------------|--------------|----------------|-------|----------------|
|---------------|-----------|------------|--------------|----------------|-------|----------------|

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|                           |           |             |                  |                                                                        |      |
|---------------------------|-----------|-------------|------------------|------------------------------------------------------------------------|------|
| Propan-2-ol               | 200-661-7 | 67-63-0     | 01-2119457558-25 | Flam. Liq. 2 (H225)<br>STOT SE 3 (H336)<br>Eye Irrit. 2 (H319)         | 3-10 |
| alkyl alcohol alkoxyolate | [4]       | 111905-53-4 | [4]              | Acute Tox. 4 (H302)<br>Eye Irrit. 2 (H319)<br>Aquatic Chronic 3 (H412) | 3-10 |
| ethanediol                | 203-473-3 | 107-21-1    | 01-2119456816-28 | Acute Tox. 4 (H302)<br>STOT RE 2 (H373)                                | 3-10 |

Workplace exposure limit(s), if available, are listed in subsection 8.1.

ATE, if available, are listed in section 11.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|                                        |                                                                                                                                                                                                                                                                         |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>                     | Get medical attention or advice if you feel unwell.                                                                                                                                                                                                                     |
| <b>Skin contact:</b>                   | Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.                                                                                                                                                    |
| <b>Eye contact:</b>                    | Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, get medical attention. |
| <b>Ingestion:</b>                      | Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.                                                                                                             |
| <b>Self-protection of first aider:</b> | Consider personal protective equipment as indicated in subsection 8.2.                                                                                                                                                                                                  |

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

|                      |                                             |
|----------------------|---------------------------------------------|
| <b>Inhalation:</b>   | No known effects or symptoms in normal use. |
| <b>Skin contact:</b> | No known effects or symptoms in normal use. |
| <b>Eye contact:</b>  | Causes severe irritation.                   |
| <b>Ingestion:</b>    | No known effects or symptoms in normal use. |

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

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

No special hazards known.

### 5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

## SECTION 6: Accidental release measures

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

Wear eye/face protection.

### 6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

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

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

### 6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Measures to prevent fire and explosions:

No special precautions required.

#### Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

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**Advices on general occupational hygiene:**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Avoid contact with eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

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

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

**7.3 Specific end use(s)**

No specific advice for end use available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Workplace exposure limits**

Air limit values, if available:

| Ingredient(s) | Long term value(s)               | Short term value(s)             |
|---------------|----------------------------------|---------------------------------|
| Propan-2-ol   | 200 ppm<br>490 mg/m <sup>3</sup> |                                 |
| ethanediol    | 10 ppm<br>26 mg/m <sup>3</sup>   | 40 ppm<br>104 mg/m <sup>3</sup> |

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

**DNEL/DMEL and PNEC values****Human exposure**

DNEL/DMEL oral exposure - Consumer (mg/kg bw)

| Ingredient(s)            | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| Propan-2-ol              | -                          | -                             | -                         | 26                           |
| alkyl alcohol alkoxylate | No data available          | No data available             | No data available         | No data available            |
| ethanediol               | -                          | -                             | -                         | -                            |

DNEL/DMEL dermal exposure - Worker

| Ingredient(s)            | Short term - Local effects | Short term - Systemic effects (mg/kg bw) | Long term - Local effects | Long term - Systemic effects (mg/kg bw) |
|--------------------------|----------------------------|------------------------------------------|---------------------------|-----------------------------------------|
| Propan-2-ol              | -                          | -                                        | -                         | 888                                     |
| alkyl alcohol alkoxylate | No data available          | No data available                        | No data available         | No data available                       |
| ethanediol               | No data available          | -                                        | No data available         | 106                                     |

DNEL/DMEL dermal exposure - Consumer

| Ingredient(s)            | Short term - Local effects | Short term - Systemic effects (mg/kg bw) | Long term - Local effects | Long term - Systemic effects (mg/kg bw) |
|--------------------------|----------------------------|------------------------------------------|---------------------------|-----------------------------------------|
| Propan-2-ol              | -                          | -                                        | -                         | 319                                     |
| alkyl alcohol alkoxylate | No data available          | No data available                        | No data available         | No data available                       |
| ethanediol               | No data available          | -                                        | No data available         | 53                                      |

DNEL/DMEL inhalatory exposure - Worker (mg/m<sup>3</sup>)

| Ingredient(s)            | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| Propan-2-ol              | -                          | -                             | -                         | 500                          |
| alkyl alcohol alkoxylate | No data available          | No data available             | No data available         | No data available            |
| ethanediol               | -                          | -                             | 35                        | -                            |

DNEL/DMEL inhalatory exposure - Consumer (mg/m<sup>3</sup>)

| Ingredient(s)            | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| Propan-2-ol              | -                          | -                             | -                         | 89                           |
| alkyl alcohol alkoxylate | No data available          | No data available             | No data available         | No data available            |
| ethanediol               | -                          | -                             | 7                         | -                            |

**Environmental exposure**

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Environmental exposure - PNEC

| Ingredient(s)            | Surface water, fresh (mg/l) | Surface water, marine (mg/l) | Intermittent (mg/l) | Sewage treatment plant (mg/l) |
|--------------------------|-----------------------------|------------------------------|---------------------|-------------------------------|
| Propan-2-ol              | 140.9                       | 140.9                        | 140.9               | 2251                          |
| alkyl alcohol alkoxylate | No data available           | No data available            | No data available   | No data available             |
| ethanediol               | 10                          | 1                            | 10                  | 199.5                         |

Environmental exposure - PNEC, continued

| Ingredient(s)            | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg)      | Air (mg/m <sup>3</sup> ) |
|--------------------------|------------------------------|--------------------------|-------------------|--------------------------|
| Propan-2-ol              | 552                          | 552                      | 28                | -                        |
| alkyl alcohol alkoxylate | No data available            | No data available        | No data available | No data available        |
| ethanediol               | 37                           | 3.7                      | 1.53              | -                        |

## 8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

**Appropriate engineering controls:** No special requirements under normal use conditions.  
**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel.

## REACH use scenarios considered for the undiluted product:

|                                 | SWED - Sector-specific worker exposure description | LCS | PROC    | Duration (min) | ERC   |
|---------------------------------|----------------------------------------------------|-----|---------|----------------|-------|
| Manual transfer and dilution    | AISE_SWED_PW_8a_2                                  | PW  | PROC 8a | 60             | ERC8a |
| Automatic transfer and dilution | AISE_SWED_PW_8b_2                                  | PW  | PROC 8b | 60             | ERC8b |

## Personal protective equipment

**Eye / face protection:** Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 166).  
**Hand protection:** No special requirements under normal use conditions.  
**Body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

**Recommended maximum concentration (% w/w):** 20

**Appropriate engineering controls:** No special requirements under normal use conditions.  
**Appropriate organisational controls:** No special requirements under normal use conditions.

## REACH use scenarios considered for the diluted product:

|                                                   | SWED              | LCS | PROC    | Duration (min) | ERC   |
|---------------------------------------------------|-------------------|-----|---------|----------------|-------|
| Machine application                               | AISE_SWED_PW_10_1 | PW  | PROC 10 | 480            | ERC8a |
| Manual application by brushing, wiping or mopping |                   |     |         |                |       |
| Manual application                                | AISE_SWED_PW_19_1 | PW  | PROC 19 | 480            | ERC8a |
| Automatic application in a dedicated system       | AISE_SWED_PW_4_1  | PW  | PROC 4  | 480            | ERC8a |

## Personal protective equipment

**Eye / face protection:** No special requirements under normal use conditions.  
**Hand protection:** No special requirements under normal use conditions.  
**Body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** No special requirements under normal use conditions.

## SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

Information in this section refers to the product, unless it is specifically stated that substance data is listed

Method / remark

**Physical state:** Liquid

**Colour:** Clear , Colourless

**Odour:** Slightly perfumed

**Odour threshold:** Not applicable

**Melting point/freezing point (°C):** Not determined

Not relevant to classification of this product

**Initial boiling point and boiling range (°C):** Not determined

See substance data

Substance data, boiling point

| Ingredient(s)            | Value (°C)        | Method           | Atmospheric pressure (hPa) |
|--------------------------|-------------------|------------------|----------------------------|
| Propan-2-ol              | 82                | Method not given | 1013                       |
| alkyl alcohol alkoxylate | No data available |                  |                            |
| ethanediol               | 194-205           | Method not given | 1013                       |

**Method / remark**

**Flammability (solid, gas):** Not applicable to liquids

**Flammability (liquid):** Not flammable.

**Flash point (°C):** ≈ 46 °C

closed cup

**Sustained combustion:** The product does not sustain combustion  
( UN Manual of Tests and Criteria, section 32, L.2 )

Weight of evidence

**Lower and upper explosion limit/flammability limit (%):** Not determined

See substance data

Substance data, flammability or explosive limits, if available:

| Ingredient(s) | Lower limit (% vol) | Upper limit (% vol) |
|---------------|---------------------|---------------------|
| Propan-2-ol   | 2                   | 13                  |
| ethanediol    | 3.2                 | 15.3                |

**Method / remark**

**Autoignition temperature:** Not determined

**Decomposition temperature:** Not applicable.

**pH:** ≈ 9 (neat)

ISO 4316

**Dilution pH:** ≈ 8 (20 %)

ISO 4316

**Kinematic viscosity:** Not determined

**Solubility in / Miscibility with water:** Fully miscible

Substance data, solubility in water

| Ingredient(s)            | Value (g/l)       | Method           | Temperature (°C) |
|--------------------------|-------------------|------------------|------------------|
| Propan-2-ol              | Soluble           | Method not given |                  |
| alkyl alcohol alkoxylate | No data available |                  |                  |
| ethanediol               | Soluble           | Method not given | 20               |

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

**Method / remark**

**Vapour pressure:** Not determined

See substance data

Substance data, vapour pressure

| Ingredient(s)            | Value (Pa)        | Method             | Temperature (°C) |
|--------------------------|-------------------|--------------------|------------------|
| Propan-2-ol              | 4200              | Method not given   | 20               |
| alkyl alcohol alkoxylate | No data available |                    |                  |
| ethanediol               | 12.3              | Non guideline test | 25               |

**Method / remark**

**Relative density:** ≈ 1.00 (20 °C)

OECD 109 (EU A.3)

**Relative vapour density:** -.

Not relevant to classification of this product

**Particle characteristics:** No data available.

Not applicable to liquids.

## 9.2 Other information

### 9.2.1 Information with regard to physical hazard classes

**Explosive properties:** Not explosive. Vapours may form explosive mixtures with air.

**Oxidising properties:** Not oxidising.

**Corrosion to metals:** Not corrosive

### 9.2.2 Other safety characteristics

No other relevant information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under normal storage and use conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known under normal storage and use conditions.

**10.4 Conditions to avoid**

None known under normal storage and use conditions.

**10.5 Incompatible materials**

None known under normal use conditions.

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Mixture data: .

**Relevant calculated ATE(s):**

ATE - Oral (mg/kg): >2000

Substance data, where relevant and available, are listed below:.

**Acute toxicity**

Acute oral toxicity

| Ingredient(s)            | Endpoint         | Value (mg/kg) | Species | Method            | Exposure time (h) | ATE (mg/kg)     |
|--------------------------|------------------|---------------|---------|-------------------|-------------------|-----------------|
| Propan-2-ol              | LD <sub>50</sub> | 5840          | Rat     | OECD 401 (EU B.1) |                   | Not established |
| alkyl alcohol alkoxylate | LD <sub>50</sub> | ≥ 300-2000    | Rat     | Method not given  |                   | Not established |
| ethanediol               | LD <sub>50</sub> | 7712          | Rat     | Method not given  |                   | Not established |

Acute dermal toxicity

| Ingredient(s)            | Endpoint         | Value (mg/kg)     | Species | Method           | Exposure time (h) | ATE (mg/kg)     |
|--------------------------|------------------|-------------------|---------|------------------|-------------------|-----------------|
| Propan-2-ol              | LD <sub>50</sub> | > 2000            | Rabbit  | Method not given |                   | Not established |
| alkyl alcohol alkoxylate |                  | No data available |         |                  |                   | Not established |
| ethanediol               | LD <sub>50</sub> | > 2000            | Rabbit  | Method not given |                   | Not established |

Acute inhalative toxicity

| Ingredient(s)            | Endpoint         | Value (mg/l)                       | Species | Method             | Exposure time (h) |
|--------------------------|------------------|------------------------------------|---------|--------------------|-------------------|
| Propan-2-ol              | LC <sub>50</sub> | > 25 (vapour)                      | Rat     | OECD 403 (EU B.2)  | 6                 |
| alkyl alcohol alkoxylate |                  | No data available                  |         |                    |                   |
| ethanediol               | LC <sub>50</sub> | > 2.5 (mist) No mortality observed | Rat     | Weight of evidence | 6                 |

Acute inhalative toxicity, continued

| Ingredient(s)            | ATE - inhalation, dust (mg/l) | ATE - inhalation, mist (mg/l) | ATE - inhalation, vapour (mg/l) | ATE - inhalation, gas (mg/l) |
|--------------------------|-------------------------------|-------------------------------|---------------------------------|------------------------------|
| Propan-2-ol              | Not established               | Not established               | Not established                 | Not established              |
| alkyl alcohol alkoxylate | Not established               | Not established               | Not established                 | Not established              |
| ethanediol               | Not established               | Not established               | Not established                 | Not established              |

**Irritation and corrosivity**

Skin irritation and corrosivity

| Ingredient(s)            | Result        | Species | Method            | Exposure time |
|--------------------------|---------------|---------|-------------------|---------------|
| Propan-2-ol              | Not irritant  | Rabbit  | OECD 404 (EU B.4) |               |
| alkyl alcohol alkoxylate | Mild irritant | Rabbit  | OECD 404 (EU B.4) |               |
| ethanediol               | Not irritant  | Rabbit  | Method not given  |               |

## Eye irritation and corrosivity

| Ingredient(s)            | Result                    | Species | Method            | Exposure time |
|--------------------------|---------------------------|---------|-------------------|---------------|
| Propan-2-ol              | Irritant                  | Rabbit  | OECD 405 (EU B.5) |               |
| alkyl alcohol alkoxylate | Irritant                  | Rabbit  | OECD 405 (EU B.5) |               |
| ethanediol               | Not corrosive or irritant | Rabbit  | Method not given  |               |

## Respiratory tract irritation and corrosivity

| Ingredient(s)            | Result            | Species | Method | Exposure time |
|--------------------------|-------------------|---------|--------|---------------|
| Propan-2-ol              | No data available |         |        |               |
| alkyl alcohol alkoxylate | No data available |         |        |               |
| ethanediol               | No data available |         |        |               |

## Sensitisation

## Sensitisation by skin contact

| Ingredient(s)            | Result            | Species    | Method                           | Exposure time (h) |
|--------------------------|-------------------|------------|----------------------------------|-------------------|
| Propan-2-ol              | Not sensitising   | Guinea pig | OECD 406 (EU B.6) / Buehler test |                   |
| alkyl alcohol alkoxylate | No data available |            |                                  |                   |
| ethanediol               | Not sensitising   |            | Method not given                 |                   |

## Sensitisation by inhalation

| Ingredient(s)            | Result            | Species | Method | Exposure time |
|--------------------------|-------------------|---------|--------|---------------|
| Propan-2-ol              | No data available |         |        |               |
| alkyl alcohol alkoxylate | No data available |         |        |               |
| ethanediol               | No data available |         |        |               |

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

## Mutagenicity

| Ingredient(s)            | Result (in-vitro)                                                                                         | Method (in-vitro)     | Result (in-vivo)                                   | Method (in-vivo)   |
|--------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------|--------------------|
| Propan-2-ol              | No evidence for mutagenicity, negative test results<br>No evidence of genotoxicity, negative test results | OECD 471 (EU B.12/13) | No evidence of genotoxicity, negative test results | OECD 474 (EU B.12) |
| alkyl alcohol alkoxylate | No data available                                                                                         |                       | No data available                                  |                    |
| ethanediol               | No evidence for mutagenicity, negative test results                                                       | Method not given      | No data available                                  |                    |

## Carcinogenicity

| Ingredient(s)            | Effect                                                 |
|--------------------------|--------------------------------------------------------|
| Propan-2-ol              | No evidence for carcinogenicity, negative test results |
| alkyl alcohol alkoxylate | No data available                                      |
| ethanediol               | No evidence for carcinogenicity, negative test results |

## Toxicity for reproduction

| Ingredient(s)            | Endpoint | Specific effect | Value (mg/kg bw/d) | Species | Method | Exposure time | Remarks and other effects reported    |
|--------------------------|----------|-----------------|--------------------|---------|--------|---------------|---------------------------------------|
| Propan-2-ol              |          |                 | No data available  |         |        |               |                                       |
| alkyl alcohol alkoxylate |          |                 | No data available  |         |        |               |                                       |
| ethanediol               |          |                 | No data available  |         |        |               | No evidence for reproductive toxicity |

## Repeated dose toxicity

## Sub-acute or sub-chronic oral toxicity

| Ingredient(s)            | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|--------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| Propan-2-ol              |          | No data available  |         |        |                      |                                      |
| alkyl alcohol alkoxylate |          | No data available  |         |        |                      |                                      |
| ethanediol               |          | No data available  |         |        |                      |                                      |

## Sub-chronic dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|---------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| Propan-2-ol   |          | No data available  |         |        |                      |                                      |

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|                          |  |                   |  |  |  |  |
|--------------------------|--|-------------------|--|--|--|--|
| alkyl alcohol alkoxylate |  | No data available |  |  |  |  |
| ethanediol               |  | No data available |  |  |  |  |

## Sub-chronic inhalation toxicity

| Ingredient(s)            | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|--------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| Propan-2-ol              |          | No data available  |         |        |                      |                                      |
| alkyl alcohol alkoxylate |          | No data available  |         |        |                      |                                      |
| ethanediol               |          | No data available  |         |        |                      |                                      |

## Chronic toxicity

| Ingredient(s)            | Exposure route | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time | Specific effects and organs affected | Remark |
|--------------------------|----------------|----------|--------------------|---------|--------|---------------|--------------------------------------|--------|
| Propan-2-ol              |                |          | No data available  |         |        |               |                                      |        |
| alkyl alcohol alkoxylate |                |          | No data available  |         |        |               |                                      |        |
| ethanediol               |                |          | No data available  |         |        |               |                                      |        |

## STOT-single exposure

| Ingredient(s)            | Affected organ(s)      |
|--------------------------|------------------------|
| Propan-2-ol              | Central nervous system |
| alkyl alcohol alkoxylate | No data available      |
| ethanediol               | No data available      |

## STOT-repeated exposure

| Ingredient(s)            | Affected organ(s) |
|--------------------------|-------------------|
| Propan-2-ol              | No data available |
| alkyl alcohol alkoxylate | No data available |
| ethanediol               | No data available |

**Aspiration hazard**

Substances with an aspiration hazard (H304), if any, are listed in section 3.

**Potential adverse health effects and symptoms**

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

**11.2 Information on other hazards****11.2.1 Endocrine disrupting properties**

Endocrine disrupting properties - Human data, if available:

**11.2.2 Other information**

No other relevant information available.

**SECTION 12: Ecological information****12.1 Toxicity**

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

**Aquatic short-term toxicity**

Aquatic short-term toxicity - fish

| Ingredient(s)            | Endpoint         | Value (mg/l) | Species                    | Method           | Exposure time (h) |
|--------------------------|------------------|--------------|----------------------------|------------------|-------------------|
| Propan-2-ol              | LC <sub>50</sub> | > 100        | <i>Pimephales promelas</i> | Method not given | 48                |
| alkyl alcohol alkoxylate | LC <sub>50</sub> | > 1- 10      | <i>Leuciscus idus</i>      | Method not given | 96                |
| ethanediol               | LC <sub>50</sub> | 18500        | <i>Oncorhynchus mykiss</i> | Method not given | 96                |

Aquatic short-term toxicity - crustacea

| Ingredient(s) | Endpoint         | Value (mg/l) | Species        | Method           | Exposure time (h) |
|---------------|------------------|--------------|----------------|------------------|-------------------|
| Propan-2-ol   | EC <sub>50</sub> | > 100        | <i>Daphnia</i> | Method not given | 48                |



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|                          |                  |          |                             |                  |    |
|--------------------------|------------------|----------|-----------------------------|------------------|----|
|                          |                  |          | <i>magna Straus</i>         |                  |    |
| alkyl alcohol alkoxylate | EC <sub>50</sub> | > 1 - 10 | <i>Daphnia magna Straus</i> | Method not given | 48 |
| ethanediol               | EC <sub>50</sub> | > 100    | <i>Daphnia magna Straus</i> | Method not given | 48 |

## Aquatic short-term toxicity - algae

| Ingredient(s)            | Endpoint         | Value (mg/l)      | Species                                | Method           | Exposure time (h) |
|--------------------------|------------------|-------------------|----------------------------------------|------------------|-------------------|
| Propan-2-ol              | EC <sub>50</sub> | > 100             | <i>Scenedesmus quadricauda</i>         | Method not given | 72                |
| alkyl alcohol alkoxylate |                  | No data available |                                        |                  |                   |
| ethanediol               | EC <sub>50</sub> | 6500 - 13000      | <i>Pseudokirchneriella subcapitata</i> | Method not given | 96                |

## Aquatic short-term toxicity - marine species

| Ingredient(s)            | Endpoint | Value (mg/l)      | Species | Method | Exposure time (days) |
|--------------------------|----------|-------------------|---------|--------|----------------------|
| Propan-2-ol              |          | No data available |         |        |                      |
| alkyl alcohol alkoxylate |          | No data available |         |        |                      |
| ethanediol               |          | No data available |         |        |                      |

## Impact on sewage plants - toxicity to bacteria

| Ingredient(s)            | Endpoint         | Value (mg/l) | Inoculum                  | Method           | Exposure time |
|--------------------------|------------------|--------------|---------------------------|------------------|---------------|
| Propan-2-ol              | EC <sub>50</sub> | > 1000       | <i>Activated sludge</i>   | Method not given |               |
| alkyl alcohol alkoxylate | EC <sub>10</sub> | > 1000       | <i>Activated sludge</i>   | DEV-L2           |               |
| ethanediol               | EC <sub>50</sub> | 10000        | <i>Pseudomonas putida</i> | Method not given | 16 hour(s)    |

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

| Ingredient(s)            | Endpoint | Value (mg/l)      | Species              | Method           | Exposure time | Effects observed |
|--------------------------|----------|-------------------|----------------------|------------------|---------------|------------------|
| Propan-2-ol              |          | No data available |                      |                  |               |                  |
| alkyl alcohol alkoxylate |          | No data available |                      |                  |               |                  |
| ethanediol               | NOEC     | > 100             | <i>Not specified</i> | Method not given |               |                  |

## Aquatic long-term toxicity - crustacea

| Ingredient(s)            | Endpoint | Value (mg/l)      | Species              | Method           | Exposure time | Effects observed |
|--------------------------|----------|-------------------|----------------------|------------------|---------------|------------------|
| Propan-2-ol              |          | No data available |                      |                  |               |                  |
| alkyl alcohol alkoxylate | NOEC     | > 0.1 - 1         | <i>Daphnia magna</i> | OECD 202         | 21 day(s)     |                  |
| ethanediol               | NOEC     | > 100             |                      | Method not given |               |                  |

## Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

| Ingredient(s)            | Endpoint | Value (mg/kg dw sediment) | Species | Method | Exposure time (days) | Effects observed |
|--------------------------|----------|---------------------------|---------|--------|----------------------|------------------|
| Propan-2-ol              |          | No data available         |         |        |                      |                  |
| alkyl alcohol alkoxylate |          | No data available         |         |        |                      |                  |
| ethanediol               |          | No data available         |         |        |                      |                  |

## Terrestrial toxicity

## Terrestrial toxicity - soil invertebrates, including earthworms, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Propan-2-ol   |          | No data available     |         |        |                      |                  |

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Terrestrial toxicity - plants, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Propan-2-ol   |          | No data available     |         |        |                      |                  |

Terrestrial toxicity - birds, if available:

| Ingredient(s) | Endpoint | Value             | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-------------------|---------|--------|----------------------|------------------|
| Propan-2-ol   |          | No data available |         |        |                      |                  |

Terrestrial toxicity - beneficial insects, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Propan-2-ol   |          | No data available     |         |        |                      |                  |

Terrestrial toxicity - soil bacteria, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Propan-2-ol   |          | No data available     |         |        |                      |                  |

**12.2 Persistence and degradability****Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

| Ingredient(s) | Half-life time    | Method           | Evaluation              | Remark |
|---------------|-------------------|------------------|-------------------------|--------|
| Propan-2-ol   | No data available |                  |                         |        |
| ethanediol    | No data available | Method not given | Rapidly photodegradable |        |

Abiotic degradation - hydrolysis, if available:

| Ingredient(s) | Half-life time in fresh water | Method | Evaluation | Remark |
|---------------|-------------------------------|--------|------------|--------|
| Propan-2-ol   | No data available             |        |            |        |

Abiotic degradation - other processes, if available:

| Ingredient(s) | Type | Half-life time    | Method | Evaluation | Remark |
|---------------|------|-------------------|--------|------------|--------|
| Propan-2-ol   |      | No data available |        |            |        |

**Biodegradation**

Ready biodegradability - aerobic conditions

| Ingredient(s)            | Inoculum                 | Analytical method          | DT <sub>50</sub>    | Method    | Evaluation            |
|--------------------------|--------------------------|----------------------------|---------------------|-----------|-----------------------|
| Propan-2-ol              |                          |                            | 95 % in 21 day(s)   | OECD 301E | Readily biodegradable |
| alkyl alcohol alkoxylate | Activated sludge, aerobe | CO <sub>2</sub> production | > 60 % in 28 day(s) | OECD 301B | Readily biodegradable |
| ethanediol               |                          |                            | 56 % in 28 day(s)   | OECD 301A | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

| Ingredient(s) | Medium & Type | Analytical method | DT <sub>50</sub> | Method | Evaluation        |
|---------------|---------------|-------------------|------------------|--------|-------------------|
| Propan-2-ol   |               |                   |                  |        | No data available |

Degradation in relevant environmental compartments, if available:

| Ingredient(s) | Medium & Type | Analytical method | DT <sub>50</sub> | Method | Evaluation        |
|---------------|---------------|-------------------|------------------|--------|-------------------|
| Propan-2-ol   |               |                   |                  |        | No data available |

**12.3 Bioaccumulative potential**Partition coefficient n-octanol/water (log K<sub>ow</sub>)

| Ingredient(s)            | Value             | Method           | Evaluation                  | Remark |
|--------------------------|-------------------|------------------|-----------------------------|--------|
| Propan-2-ol              | 0.05              | OECD 107         | No bioaccumulation expected |        |
| alkyl alcohol alkoxylate | No data available |                  |                             |        |
| ethanediol               | -1.34             | Method not given | No bioaccumulation expected |        |

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## Bioconcentration factor (BCF)

| Ingredient(s)            | Value             | Species | Method | Evaluation | Remark |
|--------------------------|-------------------|---------|--------|------------|--------|
| Propan-2-ol              | No data available |         |        |            |        |
| alkyl alcohol alkoxylate | No data available |         |        |            |        |
| ethanediol               | No data available |         |        |            |        |

## 12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

| Ingredient(s)            | Adsorption coefficient<br>Log Koc | Desorption coefficient<br>Log Koc(des) | Method | Soil/sediment type | Evaluation                                       |
|--------------------------|-----------------------------------|----------------------------------------|--------|--------------------|--------------------------------------------------|
| Propan-2-ol              | No data available                 |                                        |        |                    | Potential for mobility in soil, soluble in water |
| alkyl alcohol alkoxylate | No data available                 |                                        |        |                    |                                                  |
| ethanediol               | No data available                 |                                        |        |                    | Potential for mobility in soil, soluble in water |

## 12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

## 12.6 Endocrine disrupting properties

Endocrine disrupting properties - Environmental effects, if available:

## 12.7 Other adverse effects

No other adverse effects known.

**SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

**Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

**Empty packaging****Recommendation:**

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

**SECTION 14: Transport information**Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number: Non-dangerous goods

14.2 UN proper shipping name: Non-dangerous goods

14.3 Transport hazard class(es): Non-dangerous goods

14.4 Packing group: Non-dangerous goods

14.5 Environmental hazards: Non-dangerous goods

14.6 Special precautions for user: Non-dangerous goods

14.7 Maritime transport in bulk according to IMO instruments: Non-dangerous goods

**SECTION 15: Regulatory information**

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

**EU regulations:**

- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 648/2004 - Detergents regulation
- substances identified as having endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code

**Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII):** Not applicable.**Ingredients according to EC Detergents Regulation 648/2004**

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non-ionic surfactants  
perfumes

5 - 15 %

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Seveso - Classification:** Not classified

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture

## SECTION 16: Other information

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract*

**SDS code:** MSDS5010

**Version:** 05.2

**Revision:** 2023-06-30

### Reason for revision:

This data sheet contains changes from the previous version in section(s):, Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006, 6, 9, 16

### Classification procedure

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

### Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Limit
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- H225 - Highly flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H319 - Causes serious eye irritation.
- H336 - May cause drowsiness or dizziness.
- H373 - May cause damage to organs through prolonged or repeated exposure.
- H412 - Harmful to aquatic life with long lasting effects.

**End of Safety Data Sheet**