



TASKI Jontec Tensol QS F3d

Revision: 2018-10-21

Version: 04.2

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

1.1 Product identifier

Trade name: TASKI Jontec Tensol QS F3d

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

Identified uses:

For professional use only.

AISE-P401 - Floor cleaner. Semi-automatic process

AISE-P403 - Floor cleaner. Manual process

Uses advised against: Uses other than those identified are not recommended

1.3 Details of the supplier of the safety data sheet

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

Contact details

Diversey Ltd

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: customerservice.uk@diversey.com

1.4 Emergency telephone number

For medical or environmental emergency only:

call 0800 052 0185

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Flam. Liq. 3 (H226)

STOT SE 3 (H336)

Skin Irrit. 2 (H315)

Eye Irrit. 2 (H319)

2.2 Label elements



Signal word: Warning.

Contains propan-2-ol (Isopropyl Alcohol)

Hazard statements:

H315 + H319 - Causes skin and serious eye irritation.

H226 - Flammable liquid and vapour.

H336 - May cause drowsiness or dizziness.

Precautionary statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P403 + P235 - Store in a well-ventilated place. Keep cool.

2.3 Other hazards

No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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| Ingredient(s) | EC number | CAS number | REACH number | Classification | Notes | Weight percent |
|---------------------------|-----------|-------------|------------------|------------------------------------------------------------------------------------------------|-------|----------------|
| propan-2-ol | 200-661-7 | 67-63-0 | 01-2119457558-25 | Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319) | | 20-30 |
| alkyl alcohol alkoxyolate | Polymer* | 111905-53-4 | [4] | Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412) | | 20-30 |
| ethanediol | 203-473-3 | 107-21-1 | 01-2119456816-28 | Acute Tox. 4 (H302) STOT RE 2 (H373) | | 3-10 |

* Polymer.

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

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.

[3] Exempted: Annex V of Regulation (EC) No 1907/2006.

[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

| | |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation: | Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE, doctor or physician if you feel unwell. |
| Skin contact: | Take off immediately all contaminated clothing and wash it before re-use. |
| Eye contact: | Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. |
| Ingestion: | 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. |
| Self-protection of first aider: | Consider personal protective equipment as indicated in subsection 8.2. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|----------------------|---------------------------------------------|
| Inhalation: | May cause drowsiness or dizziness. |
| Skin contact: | Causes irritation. |
| Eye contact: | Causes severe irritation. |
| Ingestion: | 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

Turn off all sources of ignition. Ventilate the area.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

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:

Keep away from flames and hot surfaces. No smoking. Keep away from heat. Take precautionary measures against static discharges.

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Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

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. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Take off contaminated clothing. Wash contaminated clothing before reuse. Store used personal protective equipment separately. 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 well-ventilated place. Store in a closed container. Keep only in original packaging. Keep cool. Keep away from heat and direct sunlight.

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) | UK - Long term value(s) | UK - Short term value(s) |
|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| propan-2-ol | 400 ppm 999 mg/m ³ | 500 ppm 1250 mg/m ³ |
| ethanediol | 10 mg/m ³ particulates 20 ppm vapour 52 mg/m ³ vapour | 40 ppm vapour 104 mg/m ³ vapour 30 mg/m ³ particulate |

Biological limit values, if available:

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

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

DNEL 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 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 | No data available | - | No data available | 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 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 | No data available | - | - | 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 inhalatory exposure - Worker (mg/m³)

| 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 inhalatory exposure - Consumer (mg/m³)

| 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 | - |

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Environmental exposure

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 ³) |
|--------------------------|------------------------------|--------------------------|-------------------|--------------------------|
| 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:

Covering activities such as filling and transfer of product to application equipment, flasks or buckets

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

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:

Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.
 Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm
 Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm
 In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

Body protection:

No special requirements under normal use conditions.

Respiratory protection:

No special requirements under normal use conditions.

Environmental exposure controls: Should not reach sewage water or drainage ditch undiluted or unneutralised.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 10

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

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

Personal protective equipment**Eye / face protection:**

No special requirements under normal use conditions.

Hand protection:

Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.

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 To Match Standard (TMS) | |
| Odour threshold: Not applicable | |
| pH: ≈ 9 (neat) | ISO 4316 |
| Dilution pH: ≈ 9 | ISO 4316 |
| 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 |

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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 (liquid):** Flammable.**Flash point (°C):** ≈ 36**Sustained combustion:** The product sustains combustion
(UN Manual of Tests and Criteria, section 32, L.2)**Evaporation rate:** Not relevant for classification of this product.**Flammability (solid, gas):** Not flammable Not applicable to liquids**Upper/lower flammability limit (%):** Not determined

closed cup

Weight of evidence

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**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**Vapour density:** Not determined**Relative density:** ≈ 0.97 (20 °C)**Solubility in / Miscibility with Water:** Fully miscibleNot relevant to classification of this product
OECD 109 (EU A.3)

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**Autoignition temperature:** Not determined**Decomposition temperature:** Not applicable.**Viscosity:** Not determined**Explosive properties:** Not explosive. Vapours may form explosive mixtures with air.**Oxidising properties:** Not oxidising.**9.2 Other information****Surface tension (N/m):** Not determined**Corrosion to metals:** Not corrosive

OECD 115

Weight of evidence

Substance data, dissociation constant, if available:

SECTION 10: Stability and reactivity**10.1 Reactivity**

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 toxicological effects**

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) |
|--------------------------|------------------|---------------|---------|------------------|-------------------|
| propan-2-ol | LD ₅₀ | 3570 | Rat | Method not given | |
| alkyl alcohol alkoxylate | LD ₅₀ | ≥ 1000 | Rat | Method not given | |
| ethanediol | LD ₅₀ | 300 - 2000 | Rat | Method not given | |

Acute dermal toxicity

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

Acute inhalative toxicity

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

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

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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. If relevant, see section 9 for dynamic viscosity and relative density of the product.

Potential adverse health effects and symptoms

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

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 ₅₀ | > 100 | <i>Pimephales promelas</i> | Method not given | 48 |
| alkyl alcohol alkoxylate | LC ₅₀ | 1 - 10 | <i>Leuciscus idus</i> | Method not given | 48 |
| ethanediol | LC ₅₀ | 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 ₅₀ | > 100 | <i>Daphnia magna Straus</i> | Method not given | 48 |
| alkyl alcohol alkoxylate | EC ₅₀ | 1 - 10 | <i>Not specified</i> | Method not given | 48 |
| ethanediol | EC ₅₀ | > 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 ₅₀ | > 100 | <i>Scenedesmus quadricauda</i> | Method not given | 72 |
| alkyl alcohol alkoxylate | | No data available | | | - |
| ethanediol | EC ₅₀ | 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 ₅₀ | > 1000 | <i>Activated sludge</i> | Method not given | |
| alkyl alcohol alkoxylate | EC ₁₀ | > 1000 | <i>Activated sludge</i> | DEV-L2 | |
| ethanediol | EC ₅₀ | 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 | | | | |

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

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

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12.2 Persistence and degradability**Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

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

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ready biodegradability - aerobic conditions

| Ingredient(s) | Inoculum | Analytical method | DT ₅₀ | Method | Evaluation |
|--------------------------|----------|-------------------|---------------------|-----------|-----------------------|
| propan-2-ol | | | 95 % in 21 day(s) | OECD 301E | Readily biodegradable |
| alkyl alcohol alkoxylate | | | > 60 % in 28 day(s) | OECD 301F | Readily biodegradable |
| ethanediol | | | 56 % in 28 day(s) | OECD 301A | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potentialPartition coefficient n-octanol/water (log K_{ow})

| 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 | |

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 Log K _{oc} | Desorption coefficient Log K _{oc} (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 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.

European Waste Catalogue:

20 01 29* - detergents containing dangerous substances.

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: 1987

14.2 UN proper shipping name:

Alcohols, n.o.s. (isopropanol)

14.3 Transport hazard class(es):

Transport hazard class (and subsidiary risks): 3

14.4 Packing group: III

14.5 Environmental hazards:

Environmentally hazardous: No

Marine pollutant: No

14.6 Special precautions for user: None known.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: The product is not transported in bulk tankers.

Other relevant information:

ADR

Classification code: F1

Tunnel restriction code: D/E

Hazard identification number: 30

IMO/IMDG

EmS: F-E, S-D

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code. Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

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

Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.

UFI: RMK6-W0D1-G006-0W3H

Ingredients according to EC Detergents Regulation 648/2004

| | |
|-----------------------|-----------|
| non-ionic surfactants | 15 - 30 % |
| soap | < 5 % |
| perfumes | |

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.

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: MSDS7311

Version: 04.2

Revision: 2018-10-21

Reason for revision:

This data sheet contains changes from the previous version in section(s):, 3, 4, 8, 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.

Full text of the H and EUH phrases mentioned in section 3:

- H225 - Highly flammable liquid and vapour.
- H302 - Harmful if swallowed.

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- H315 - Causes skin irritation.
- 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.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate
- LD50 - Lethal Dose, 50% / Median Lethal dose
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- EC50 - effective concentration, 50%
- NOEL - No observed effect level
- NOAEL - No observed adverse effect level
- OECD - Organization for Economic Cooperation and Development

End of Safety Data Sheet