

TASKI Jontec Ceramica F4n

Revision: 2025-05-14

Version: 08.5

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

1.1 Product identifier

Trade name: TASKI Jontec Ceramica F4n

UFI: M535-20Y8-S00G-56UM

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_4_1

AISE_SWED_PW_10_1

1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, De Corridor 4, 3621ZB Breukelen [Maarssebroeksedijk 2, 3542DN Utrecht], The Netherlands

Contact details

Tandur Hf.

Hesthålsi 12, 110 Reykjavik

Tel. 5101200, Email: tandur@tandur.is

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 irritation, Category 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 |
|-----------------|-----------|------------|----------------------|---|-------|----------------|
| 2-butoxyethanol | 203-905-0 | 111-76-2 | 01-211947510 8-36 | Acute toxicity - Inhalation, Category 3 (H331) Acute toxicity - Oral, Category 4 (H302) Skin irritation, Category 2 (H315) Eye irritation, Category 2 (H319) | | 3-10 |
| Propan-2-ol | 200-661-7 | 67-63-0 | 01-211945755 | Flammable liquids, Category 2 (H225) | | 3-10 |

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| | | | | | | |
|--------------------------|-----|------------|------|--|--|-----|
| | | | 8-25 | Specific target organ toxicity - Single exposure, Category 3 (H336) Eye irritation, Category 2 (H319) | | |
| alkyl alcohol ethoxylate | [4] | 68439-46-3 | [4] | Acute toxicity - Oral, Category 4 (H302) Serious eye damage, Category 1 (H318) | | 1-3 |

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

| | |
|--|--|
| Inhalation: | Get medical attention or advice if you feel unwell. |
| Skin contact: | Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention. |
| 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 irritation occurs and persists, get medical 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: | No known effects or symptoms in normal use. |
| Skin contact: | No known effects or symptoms in normal use. |
| 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

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.

Advice 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

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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) |
|-----------------|---|---------------------------------|
| 2-butoxyethanol | 20 ppm 100 mg/m ³ 25 ppm | 50 ppm 246 mg/m ³ |
| Propan-2-ol | 200 ppm 490 mg/m ³ | |

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 |
|--------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| 2-butoxyethanol | - | 26.7 | - | 6.3 |
| Propan-2-ol | - | - | - | 26 |
| alkyl alcohol ethoxylate | - | - | - | - |

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) |
|--------------------------|----------------------------|--|---------------------------|---|
| 2-butoxyethanol | - | 89 | - | 125 |
| Propan-2-ol | - | - | - | 888 |
| alkyl alcohol ethoxylate | - | - | - | - |

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) |
|--------------------------|----------------------------|--|---------------------------|---|
| 2-butoxyethanol | - | 89 | - | 75 |
| Propan-2-ol | - | - | - | 319 |
| alkyl alcohol ethoxylate | - | - | - | - |

DNEL/DMEL inhalatory exposure - Worker (mg/m³)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| 2-butoxyethanol | 246 | 1091 | - | 98 |
| Propan-2-ol | - | - | - | 500 |
| alkyl alcohol ethoxylate | - | - | - | - |

DNEL/DMEL inhalatory exposure - Consumer (mg/m³)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| 2-butoxyethanol | 147 | 426 | - | 59 |
| Propan-2-ol | - | - | - | 89 |
| alkyl alcohol ethoxylate | - | - | - | - |

Environmental exposure

Environmental exposure - PNEC

| Ingredient(s) | Surface water, fresh | Surface water, marine | Intermittent (mg/l) | Sewage treatment |
|---------------|----------------------|-----------------------|---------------------|------------------|
|---------------|----------------------|-----------------------|---------------------|------------------|

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| | (mg/l) | (mg/l) | | plant (mg/l) |
|--------------------------|--------|--------|-------|--------------|
| 2-butoxyethanol | 8.8 | 0.88 | 9.1 | 463 |
| Propan-2-ol | 140.9 | 140.9 | 140.9 | 2251 |
| alkyl alcohol ethoxylate | - | - | - | - |

Environmental exposure - PNEC, continued

| Ingredient(s) | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg) | Air (mg/m ³) |
|--------------------------|------------------------------|--------------------------|--------------|--------------------------|
| 2-butoxyethanol | 34.6 | 3.46 | 2.33 | - |
| Propan-2-ol | 552 | 552 | 28 | - |
| alkyl alcohol ethoxylate | - | - | - | - |

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 |

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 16321).
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): 5

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 | | | | | |
| 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 , Light , Green
Odour: Herbal

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Odour threshold: Not applicable**Melting point/freezing point (°C):** Not determined**Initial boiling point and boiling range (°C):** Not determined

Not relevant to classification of this product

See substance data

Substance data, boiling point

| Ingredient(s) | Value (°C) | Method | Atmospheric pressure (hPa) |
|--------------------------|------------|------------------|----------------------------|
| 2-butoxyethanol | 168-172 | Method not given | 1013 |
| Propan-2-ol | 82 | Method not given | 1013 |
| alkyl alcohol ethoxylate | > 232.2 | Method not given | |

Method / remark**Flammability (solid, gas):** Not applicable to liquids**Flammability (liquid):** Not flammable.**Flash point (°C):** > 55 °C**Sustained combustion:** The product does not sustain combustion
(UN Manual of Tests and Criteria, section 32, L.2)

closed cup

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) |
|-----------------|---------------------|---------------------|
| 2-butoxyethanol | 1.1 | 10.6 |
| Propan-2-ol | 2 | 13 |

Method / remark**Autoignition temperature:** Not determined**Decomposition temperature:** Not applicable.**pH:** ≈ 8 (neat)

ISO 4316

Dilution pH: ≈ 8 (5 %)

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) |
|--------------------------|-------------|------------------|------------------|
| 2-butoxyethanol | Soluble | Method not given | 20 |
| Propan-2-ol | Soluble | Method not given | |
| alkyl alcohol ethoxylate | 100 Soluble | Method not given | |

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) |
|--------------------------|------------|------------------|------------------|
| 2-butoxyethanol | 89 | Method not given | 20 |
| Propan-2-ol | 4200 | Method not given | 20 |
| alkyl alcohol ethoxylate | < 10 | Method not given | 37.8 |

Method / remark**Relative density:** ≈ 0.99 (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**

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

ATE - Inhalatory, vapours (mg/l): >20

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 Oral (mg/kg) |
|--------------------------|------------------|---------------|---------|-------------------------------|-------------------|------------------|
| 2-butoxyethanol | LD ₅₀ | 1746 | Rat | ATE - Acute Toxicity Estimate | | 1200 |
| Propan-2-ol | LD ₅₀ | 5840 | Rat | OECD 401 (EU B.1) | | Not established |
| alkyl alcohol ethoxylate | LD ₅₀ | 1400 | Rat | Weight of evidence | | 1400 |

Acute dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) | ATE Dermal (mg/kg) |
|--------------------------|------------------|---------------|---------|--------------------|-------------------|--------------------|
| 2-butoxyethanol | LD ₅₀ | 6411 | | Method not given | | Not established |
| Propan-2-ol | LD ₅₀ | > 2000 | Rabbit | Method not given | | Not established |
| alkyl alcohol ethoxylate | LD ₅₀ | 2000 - 5000 | Rat | Weight of evidence | | Not established |

Acute inhalative toxicity

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|--------------------------|------------------|----------------------------------|---------|-------------------|-------------------|
| 2-butoxyethanol | LC ₅₀ | > 2 (mist) No mortality observed | Rat | Method not given | 4 |
| Propan-2-ol | LC ₅₀ | > 25 (vapour) | Rat | OECD 403 (EU B.2) | 6 |
| alkyl alcohol ethoxylate | | No data available | | | |

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) |
|--------------------------|-------------------------------|-------------------------------|---------------------------------|------------------------------|
| 2-butoxyethanol | Not established | Not established | 3 | Not established |
| Propan-2-ol | Not established | Not established | Not established | Not established |
| alkyl alcohol ethoxylate | Not established | Not established | Not established | Not established |

Irritation and corrosivity

Skin irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|--------------------------|--------------|---------|--------------------|--------------------|
| 2-butoxyethanol | Irritant | Rabbit | OECD 404 (EU B.4) | 24; 48; 72 hour(s) |
| Propan-2-ol | Not irritant | Rabbit | OECD 404 (EU B.4) | |
| alkyl alcohol ethoxylate | Not irritant | | Weight of evidence | |

Eye irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|--------------------------|---------------|---------|--------------------------------|--------------------|
| 2-butoxyethanol | Irritant | Rabbit | OECD 405 (EU B.5) | 24; 48; 72 hour(s) |
| Propan-2-ol | Irritant | Rabbit | OECD 405 (EU B.5) | |
| alkyl alcohol ethoxylate | Severe damage | Rabbit | Weight of evidence OECD 437 | |

Respiratory tract irritation and corrosivity

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

Sensitisation

Sensitisation by skin contact

| Ingredient(s) | Result | Species | Method | Exposure time (h) |
|--------------------------|-----------------|------------|-------------------------------------|-------------------|
| 2-butoxyethanol | Not sensitising | Guinea pig | OECD 406 (EU B.6) / GPMT | |
| Propan-2-ol | Not sensitising | Guinea pig | OECD 406 (EU B.6) / Buehler test | |
| alkyl alcohol ethoxylate | Not sensitising | | Weight of evidence | |

Sensitisation by inhalation

| Ingredient(s) | Result | Species | Method | Exposure time |
|--------------------------|-------------------|---------|--------|---------------|
| 2-butoxyethanol | No data available | | | |
| Propan-2-ol | No data available | | | |
| alkyl alcohol ethoxylate | 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) |
|--------------------------|---|--|---|--------------------|
| 2-butoxyethanol | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13) OECD 476 (Chinese Hamster Ovary) | No evidence for mutagenicity, negative test results | OECD 474 (EU B.12) |
| 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 ethoxylate | No evidence for mutagenicity, negative test results | OECD 473 | No data available | |

Carcinogenicity

| Ingredient(s) | Effect |
|--------------------------|--|
| 2-butoxyethanol | No evidence for carcinogenicity, negative test results |
| Propan-2-ol | No evidence for carcinogenicity, negative test results |
| alkyl alcohol ethoxylate | 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 |
|--------------------------|----------|-----------------|--------------------|---------|-----------|---------------|---|
| 2-butoxyethanol | | | No data available | | | | |
| Propan-2-ol | | | No data available | | | | |
| alkyl alcohol ethoxylate | NOAEL | | > 250 | Rat | Not known | | No effects on fertility No developmental 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 |
|--------------------------|----------|--------------------|---------|--------------------|----------------------|--------------------------------------|
| 2-butoxyethanol | | No data available | | | | |
| Propan-2-ol | | No data available | | | | |
| alkyl alcohol ethoxylate | NOAEL | 80 - 400 | | OECD 408 (EU B.26) | | |

Sub-chronic dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|---------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
|---------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|

| | | | | | | |
|--------------------------|-------|-------------------|--|--------------------|----|--|
| 2-butoxyethanol | | No data available | | | | |
| Propan-2-ol | | No data available | | | | |
| alkyl alcohol ethoxylate | NOAEL | 80 | | OECD 411 (EU B.28) | 90 | |

Sub-chronic inhalation toxicity

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

STOT-single exposure

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

STOT-repeated exposure

| Ingredient(s) | Affected organ(s) |
|--------------------------|-------------------|
| 2-butoxyethanol | No data available |
| Propan-2-ol | No data available |
| alkyl alcohol ethoxylate | 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) |
|--------------------------|------------------|--------------|----------------------------|----------------------------|-------------------|
| 2-butoxyethanol | LC ₅₀ | > 100 | <i>Oncorhynchus mykiss</i> | OECD 203, static | 96 |
| Propan-2-ol | LC ₅₀ | > 100 | <i>Pimephales promelas</i> | Method not given | 48 |
| alkyl alcohol ethoxylate | LC ₅₀ | 5 - 7 | <i>Fish</i> | 92/69/EEC, C1, semi-static | 96 |

Aquatic short-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|--------------------------|------------------|--------------|-----------------------------|------------------|-------------------|
| 2-butoxyethanol | EC ₅₀ | > 100 | <i>Daphnia magna Straus</i> | OECD 202, static | 48 |
| Propan-2-ol | EC ₅₀ | > 100 | <i>Daphnia magna Straus</i> | Method not given | 48 |
| alkyl alcohol ethoxylate | EC ₅₀ | 5.3 | <i>Daphnia</i> | 92/69/EEC | 48 |

Aquatic short-term toxicity - algae

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|--------------------------|------------------|--------------|--|------------------|-------------------|
| 2-butoxyethanol | EC ₅₀ | > 100 | <i>Pseudokirchneriella subcapitata</i> | OECD 201, static | 72 |
| Propan-2-ol | EC ₅₀ | > 100 | <i>Scenedesmus quadricauda</i> | Method not given | 72 |
| alkyl alcohol ethoxylate | EC ₅₀ | 1.4 - 47 | Not specified | 92/69/EEC | 72 |

Aquatic short-term toxicity - marine species

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

Impact on sewage plants - toxicity to bacteria

| Ingredient(s) | Endpoint | Value (mg/l) | Inoculum | Method | Exposure time |
|--------------------------|------------------|--------------|---------------------------|-------------------------------------|---------------|
| 2-butoxyethanol | EC ₀ | 700 | <i>Pseudomonas putida</i> | Method not given | 16 hour(s) |
| Propan-2-ol | EC ₅₀ | > 1000 | Activated sludge | Method not given | |
| alkyl alcohol ethoxylate | EC ₅₀ | > 140 | Bacteria | DIN EN ISO 8192-OECD 209-88/302/EEC | 3 hour(s) |

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|--------------------------|------------------|-------------------|--------------------|------------------|---------------|------------------|
| 2-butoxyethanol | NOEC | > 100 | <i>Danio rerio</i> | OECD 204 | 21 day(s) | |
| Propan-2-ol | | No data available | | | | |
| alkyl alcohol ethoxylate | EC ₁₀ | 8.983 | Not specified | Method not given | 21 day(s) | |

Aquatic long-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|--------------------------|------------------|-------------------|----------------------|------------------|---------------|------------------|
| 2-butoxyethanol | NOEC | 100 | <i>Daphnia magna</i> | OECD 211 | 21 day(s) | |
| Propan-2-ol | | No data available | | | | |
| alkyl alcohol ethoxylate | EC ₁₀ | 2.579 | <i>Daphnia sp.</i> | Method not given | 21 day(s) | |

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 |
|--------------------------|----------|---------------------------|---------|--------|----------------------|------------------|
| 2-butoxyethanol | | No data available | | | | |
| Propan-2-ol | | No data available | | | | |
| alkyl alcohol ethoxylate | | 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 | | | | |
|--|--|-----------|--|--|--|--|

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 | | | |

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 ₅₀ | Method | Evaluation |
|--------------------------|----------|----------------------------|---------------------|-----------|-----------------------|
| 2-butoxyethanol | | CO ₂ production | 90.4 % in 28 day(s) | OECD 301B | Readily biodegradable |
| Propan-2-ol | | | 95 % in 21 day(s) | OECD 301E | Readily biodegradable |
| alkyl alcohol ethoxylate | | | | OECD 301B | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

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

Degradation in relevant environmental compartments, if available:

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

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

| Ingredient(s) | Value | Method | Evaluation | Remark |
|--------------------------|-------------|------------------|------------------------------------|--------|
| 2-butoxyethanol | 0.81 | OECD 107 | Low potential for bioaccumulation | |
| Propan-2-ol | 0.05 | OECD 107 | No bioaccumulation expected | |
| alkyl alcohol ethoxylate | 3.11 - 4.19 | Method not given | High potential for bioaccumulation | |

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Bioconcentration factor (BCF)

| Ingredient(s) | Value | Species | Method | Evaluation | Remark |
|--------------------------|-------------------|---------|------------------|------------------------------------|--------|
| 2-butoxyethanol | No data available | | | | |
| Propan-2-ol | No data available | | | | |
| alkyl alcohol ethoxylate | < 500 | | Method not given | High potential for bioaccumulation | |

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 |
|--------------------------|---|---|--------|--------------------|--|
| 2-butoxyethanol | No data available | | | | Potential for mobility in soil, soluble in water |
| Propan-2-ol | No data available | | | | Potential for mobility in soil, soluble in water |
| alkyl alcohol ethoxylate | 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:****Suitable cleaning agents:**

Dispose of observing national or local regulations.

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**

non-ionic surfactants

< 5 %

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perfumes , Phenoxyethanol, Eugenia Caryophyllus Leaf Oil, Terpinolene, Limonene, Turpentine, Alpha-Pinenes, Alpha-Isomethyl Ionone, Camphor, Hexyl Cinnamal, Benzisothiazolinone

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

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This data sheet contains changes from the previous version in section(s): 1, 3, 8, 9, 11, 12, 15, Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006

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.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H331 - Toxic if inhaled.
- H332 - Harmful if inhaled.
- H336 - May cause drowsiness or dizziness.

End of Safety Data Sheet