

TASKI Jontec Forward F4h

Revision: 2024-08-08

Version: 07.0

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

1.1 Product identifier

Trade name: TASKI Jontec Forward F4h

UFI: JPEJ-M19J-U00W-SEX7

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
AISE_SWED_PW_19_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

Diversey Ltd
Weston Favell Centre, Northampton NN3 8PD, United Kingdom
Tel: 01604 405311, Fax: 01604 406809
Regulatory Email: customerservice.uk@solenis.com

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)
For medical or environmental emergency only:
call 0800 052 0185

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.

Precautionary statements:

P264 - Wash face, hands and any exposed skin thoroughly after handling.

2.3 Other hazards

No other hazards known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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

TASKI Jontec Forward F4h

| | | | number | | percent |
|---------------------------------|-----------|-------------|----------------------|--|---------|
| (2-methoxymethylethoxy)propanol | 252-104-2 | 34590-94-8 | 01-211945001 1-60 | Not classified as hazardous | 3-10 |
| sodium alkylbenzenesulphonate | 290-656-6 | 90194-45-9 | [1] | Acute toxicity - Oral, Category 4 (H302) Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412) | 3-10 |
| alkyl alcohol alkoxyate | [4] | 196823-11-7 | [4] | Eye irritation, Category 2 (H319) | 1-3 |
| alkyl alcohol ethoxyate | [4] | 69011-36-5 | [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.

[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.

[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. 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. |
| 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

Dike 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.

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 Diversy. 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) | UK - Long term value(s) | UK - Short term value(s) |
|---------------------------------|---------------------------------|----------------------------------|
| (2-methoxymethylethoxy)propanol | 50 ppm 308 mg/m ³ | 150 ppm 924 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-methoxymethylethoxy)propanol | - | - | - | 36 |
| sodium alkylbenzenesulphonate | - | - | - | 0.425 |
| alkyl alcohol alkoxylate | No data available | No data available | No data available | No data available |
| 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-methoxymethylethoxy)propanol | No data available | - | No data available | 283 |
| sodium alkylbenzenesulphonate | No data available | - | No data available | - |
| alkyl alcohol alkoxylate | No data available | No data available | No data available | No data available |
| 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-methoxymethylethoxy)propanol | No data available | - | No data available | 15 |
| sodium alkylbenzenesulphonate | No data available | - | No data available | - |
| alkyl alcohol alkoxylate | No data available | No data available | No data available | No data available |
| 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-methoxymethylethoxy)propanol | - | - | - | 308 |
| sodium alkylbenzenesulphonate | - | - | - | - |
| alkyl alcohol alkoxylate | No data available | No data available | No data available | No data available |
| 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-methoxymethylethoxy)propanol | - | - | - | 37.2 |

TASKI Jontec Forward F4h

| | | | | |
|-------------------------------|-------------------|-------------------|-------------------|-------------------|
| sodium alkylbenzenesulphonate | - | - | - | - |
| alkyl alcohol alkoxylate | No data available | No data available | No data available | No data available |
| alkyl alcohol ethoxylate | - | - | - | - |

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) |
|---------------------------------|-----------------------------|------------------------------|---------------------|-------------------------------|
| (2-methoxymethylethoxy)propanol | 19 | 1.9 | 190 | 4168 |
| sodium alkylbenzenesulphonate | - | - | - | - |
| alkyl alcohol alkoxylate | No data available | No data available | No data available | No data available |
| 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-methoxymethylethoxy)propanol | 70.2 | 7.02 | 2.74 | 190 |
| sodium alkylbenzenesulphonate | - | - | - | - |
| alkyl alcohol alkoxylate | No data available | No data available | No data available | No data available |
| 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 / 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): 0.5

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 | 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 , Light , from Colourless to Colourless | |
| Odour: Product specific | |
| 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) |
|---------------------------------|-------------------|------------------|----------------------------|
| (2-methoxymethylethoxy)propanol | 189.6 | Method not given | 1013 |
| sodium alkylbenzenesulphonate | No data available | | |
| alkyl alcohol alkoxylate | No data available | | |
| alkyl alcohol ethoxylate | > 200 | Method not given | |

| | Method / remark |
|--|--------------------|
| Flammability (solid, gas): Not applicable to liquids | |
| Flammability (liquid): Not flammable. | |
| Flash point (°C): > 60 °C | Weight of evidence |
| Sustained combustion: Not applicable. (UN Manual of Tests and Criteria, section 32, L.2) | |
| 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-methoxymethylethoxy)propanol | 1.1 | 14 |

| | Method / remark |
|---|-----------------|
| Autoignition temperature: Not determined | |
| Decomposition temperature: Not applicable. | |
| pH: ≈ 10 (neat) | ISO 4316 |
| Dilution pH: ≈ 9 (0.5 %) | 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-methoxymethylethoxy)propanol | Soluble | Method not given | 20 |
| sodium alkylbenzenesulphonate | No data available | | |
| alkyl alcohol alkoxylate | No data available | | |
| alkyl alcohol ethoxylate | 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) |
|---------------------------------|-------------------|------------------|------------------|
| (2-methoxymethylethoxy)propanol | 37.1 | Method not given | 20 |
| sodium alkylbenzenesulphonate | No data available | | |
| alkyl alcohol alkoxylate | No data available | | |
| alkyl alcohol ethoxylate | Negligible | Method not given | 20-25 |

| | Method / remark |
|---|--|
| Relative density: ≈ 1.05 (20 °C) | OECD 109 (EU A.3) |
| Relative vapour density: No data available. | 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.

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

Eye irritation and corrosivity

Result: Eye irritant 2, Eye irritant **Method:** Weight of evidence
2A

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-methoxymethylethoxy)propanol | LD ₅₀ | > 5000 | Rat | OECD 401 (EU B.1) | | Not established |
| sodium alkylbenzenesulphonate | LD ₅₀ | > 1470 | Rat | OECD 401 (EU B.1) | | 1470 |
| alkyl alcohol alkoxylate | LD ₅₀ | > 2000-5000 | Rat | OECD 423 (EU B.1 tris) | | Not established |
| alkyl alcohol ethoxylate | LD ₅₀ | > 300-2000 | Rat | OECD 423 (EU B.1 tris) | | 45000 |

Acute dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) | ATE Dermal (mg/kg) |
|---------------------------------|------------------|-------------------|---------|------------------|-------------------|--------------------|
| (2-methoxymethylethoxy)propanol | LD ₅₀ | 9510 | Rabbit | Method not given | | Not established |
| sodium alkylbenzenesulphonate | | No data available | | | | Not established |
| alkyl alcohol alkoxylate | | No data available | | | | Not established |
| alkyl alcohol ethoxylate | LD ₅₀ | > 2000 | Rabbit | Method not given | | Not established |

Acute inhalative toxicity

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---------------------------------|-----------------|--|---------|--------|-------------------|
| (2-methoxymethylethoxy)propanol | LC ₀ | > 1.667 (vapour) No mortality observed | Rat | | 7 |
| sodium alkylbenzenesulphonate | | No data | | | |

TASKI Jontec Forward F4h

| | | | | | |
|--------------------------|--|-------------------|--|--|--|
| | | available | | | |
| alkyl alcohol alkoxylate | | No data available | | | |
| 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-methoxymethylethoxy)propanol | Not established | Not established | Not established | Not established |
| sodium alkylbenzenesulphonate | Not established | Not established | Not established | Not established |
| alkyl alcohol alkoxylate | 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-methoxymethylethoxy)propanol | Not irritant | | Method not given | |
| sodium alkylbenzenesulphonate | Irritant | Rabbit | OECD 404 (EU B.4) | |
| alkyl alcohol alkoxylate | Mild irritant | Rabbit | OECD 404 (EU B.4) | |
| alkyl alcohol ethoxylate | Not irritant | Rabbit | OECD 404 (EU B.4) | |

Eye irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|---------------------------------|---------------------------|----------------|-------------------|----------------------|
| (2-methoxymethylethoxy)propanol | Not corrosive or irritant | | Method not given | |
| sodium alkylbenzenesulphonate | Severe damage | Rabbit | OECD 405 (EU B.5) | |
| alkyl alcohol alkoxylate | Irritant | Rabbit | OECD 405 (EU B.5) | |
| alkyl alcohol ethoxylate | Severe damage | Rabbit | Method not given | |

Respiratory tract irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|---------------------------------|-------------------|----------------|---------------|----------------------|
| (2-methoxymethylethoxy)propanol | No data available | | | |
| sodium alkylbenzenesulphonate | No data available | | | |
| alkyl alcohol alkoxylate | No data available | | | |
| alkyl alcohol ethoxylate | No data available | | | |

Sensitisation

Sensitisation by skin contact

| Ingredient(s) | Result | Species | Method | Exposure time (h) |
|---------------------------------|-------------------|----------------|--------------------------|--------------------------|
| (2-methoxymethylethoxy)propanol | Not sensitising | | Method not given | |
| sodium alkylbenzenesulphonate | Not sensitising | Guinea pig | OECD 406 (EU B.6) / GPMT | |
| alkyl alcohol alkoxylate | No data available | | | |
| alkyl alcohol ethoxylate | Not sensitising | Guinea pig | Method not given | |

Sensitisation by inhalation

| Ingredient(s) | Result | Species | Method | Exposure time |
|---------------------------------|-------------------|----------------|---------------|----------------------|
| (2-methoxymethylethoxy)propanol | No data available | | | |
| sodium alkylbenzenesulphonate | No data available | | | |
| alkyl alcohol alkoxylate | 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-methoxymethylethoxy)propanol | No evidence for mutagenicity, negative test results | Method not given | No data available | |
| sodium alkylbenzenesulphonate | No data available | | No data available | |
| alkyl alcohol alkoxylate | No data available | | No data available | |
| alkyl alcohol ethoxylate | No evidence of genotoxicity, negative test results | Method not given | No evidence of genotoxicity, negative test results | Method not given |

Carcinogenicity

| Ingredient(s) | Effect |
|---------------------------------|--|
| (2-methoxymethylethoxy)propanol | No evidence for carcinogenicity, negative test results |
| sodium alkylbenzenesulphonate | No data available |

TASKI Jontec Forward F4h

| | |
|--------------------------|---|
| alkyl alcohol alkoxylate | No data available |
| alkyl alcohol ethoxylate | No evidence for carcinogenicity, weight-of-evidence |

Toxicity for reproduction

| Ingredient(s) | Endpoint | Specific effect | Value (mg/kg bw/d) | Species | Method | Exposure time | Remarks and other effects reported |
|---------------------------------|----------|---------------------|--------------------|---------|-----------|---------------|--|
| (2-methoxymethylethoxy)propanol | | | No data available | | | | No evidence for reproductive toxicity |
| sodium alkylbenzenesulphonate | | | No data available | | | | |
| alkyl alcohol alkoxylate | | | No data available | | | | |
| alkyl alcohol ethoxylate | NOAEL | Teratogenic effects | > 50 | Rat | Not known | | No known significant effects or critical hazards |

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-methoxymethylethoxy)propanol | | No data available | | | | |
| sodium alkylbenzenesulphonate | | No data available | | | | |
| alkyl alcohol alkoxylate | | No data available | | | | |
| alkyl alcohol ethoxylate | | 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 |
|---------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| (2-methoxymethylethoxy)propanol | | No data available | | | | |
| sodium alkylbenzenesulphonate | | No data available | | | | |
| alkyl alcohol alkoxylate | | No data available | | | | |
| alkyl alcohol ethoxylate | | 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 |
|---------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| (2-methoxymethylethoxy)propanol | | No data available | | | | |
| sodium alkylbenzenesulphonate | | No data available | | | | |
| alkyl alcohol alkoxylate | | 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-methoxymethylethoxy)propanol | | | No data available | | | | | |
| sodium alkylbenzenesulphonate | | | No data available | | | | | |
| alkyl alcohol alkoxylate | | | No data available | | | | | |
| alkyl alcohol ethoxylate | Oral | NOAEL | 50 | Rat | Method not given | 24 month(s) | Effects on organ weights | |

STOT-single exposure

| Ingredient(s) | Affected organ(s) |
|---------------------------------|-------------------|
| (2-methoxymethylethoxy)propanol | No data available |
| sodium alkylbenzenesulphonate | No data available |
| alkyl alcohol alkoxylate | No data available |
| alkyl alcohol ethoxylate | Not applicable |

STOT-repeated exposure

| Ingredient(s) | Affected organ(s) |
|---------------|-------------------|
|---------------|-------------------|

TASKI Jontec Forward F4h

| | |
|---------------------------------|-------------------|
| (2-methoxymethylethoxy)propanol | No data available |
| sodium alkylbenzenesulphonate | No data available |
| alkyl alcohol alkoxylate | No data available |
| alkyl alcohol ethoxylate | Not applicable |

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-methoxymethylethoxy)propanol | LC ₅₀ | > 1000 | <i>Poecilia reticulata</i> | Method not given | 96 |
| sodium alkylbenzenesulphonate | LC ₅₀ | 1.67 | <i>Lepomis macrochirus</i> | EPA-OPPTS 850.1075 | 96 |
| alkyl alcohol alkoxylate | LC ₅₀ | > 1-10 | <i>Brachydanio rerio</i> | OECD 203 (EU C.1) | 96 |
| alkyl alcohol ethoxylate | LC ₅₀ | > 1 - 10 | <i>Cyprinus carpio</i> | OECD 203 (EU C.1) | 96 |

Aquatic short-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---------------------------------|------------------|--------------|-----------------------------|------------------|-------------------|
| (2-methoxymethylethoxy)propanol | EC ₅₀ | 1919 | <i>Daphnia magna Straus</i> | Method not given | 48 |
| sodium alkylbenzenesulphonate | EC ₅₀ | 1.62 | <i>Daphnia magna Straus</i> | | 48 |
| alkyl alcohol alkoxylate | EC ₅₀ | > 1-10 | <i>Not specified</i> | 79/831/EEC | 48 |
| alkyl alcohol ethoxylate | EC ₅₀ | 1 - 10 | <i>Daphnia magna Straus</i> | OECD 202, static | 48 |

Aquatic short-term toxicity - algae

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---------------------------------|------------------|--------------|----------------------------------|-------------------|-------------------|
| (2-methoxymethylethoxy)propanol | EC ₅₀ | > 969 | <i>Selenastrum capricornutum</i> | Method not given | 72 |
| sodium alkylbenzenesulphonate | EC ₅₀ | 29 | <i>Selenastrum capricornutum</i> | | 96 |
| alkyl alcohol alkoxylate | EC ₅₀ | > 10-100 | <i>Not specified</i> | DIN 38412, Part 9 | 72 |
| alkyl alcohol ethoxylate | EC ₅₀ | 1 - 10 | <i>Desmodesmus subspicatus</i> | OECD 201, static | 72 |

Aquatic short-term toxicity - marine species

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (days) |
|---------------------------------|----------|-------------------|---------|--------|----------------------|
| (2-methoxymethylethoxy)propanol | | No data available | | | |
| sodium alkylbenzenesulphonate | | No data available | | | |
| alkyl alcohol alkoxylate | | No data available | | | |
| alkyl alcohol ethoxylate | | No data available | | | |

TASKI Jontec Forward F4h

Impact on sewage plants - toxicity to bacteria

| Ingredient(s) | Endpoint | Value (mg/l) | Inoculum | Method | Exposure time |
|---------------------------------|------------------|-------------------|---------------------------|--------------------|---------------|
| (2-methoxymethylethoxy)propanol | EC ₁₀ | 4168 | <i>Pseudomonas putida</i> | Method not given | |
| sodium alkylbenzenesulphonate | | No data available | | | |
| alkyl alcohol alkoxylate | EC ₂₀ | > 10 | Activated sludge | OECD 209 | 30 minute(s) |
| alkyl alcohol ethoxylate | EC ₁₀ | > 10000 | Activated sludge | DIN 38412 / Part 8 | 17 hour(s) |

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|---------------------------------|----------|-------------------|---------|------------------|---------------|------------------|
| (2-methoxymethylethoxy)propanol | | No data available | | | | |
| sodium alkylbenzenesulphonate | NOEC | > 2.5-1 | | Method not given | | |
| alkyl alcohol alkoxylate | | No data available | | | | |
| alkyl alcohol ethoxylate | | No data available | | | | |

Aquatic long-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|---------------------------------|----------|-------------------|----------------------|------------------|---------------|------------------|
| (2-methoxymethylethoxy)propanol | NOEC | > 0.5 | <i>Daphnia magna</i> | Method not given | 22 day(s) | |
| sodium alkylbenzenesulphonate | | No data available | | | | |
| alkyl alcohol alkoxylate | | No data available | | | | |
| alkyl alcohol ethoxylate | | No data available | | | | |

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-methoxymethylethoxy)propanol | | No data available | | | | |
| sodium alkylbenzenesulphonate | | No data available | | | | |
| alkyl alcohol alkoxylate | | 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 |
|--------------------------|----------|-----------------------|-----------------------|--------|----------------------|------------------|
| alkyl alcohol ethoxylate | NOEC | 220 | <i>Eisenia fetida</i> | | | |

Terrestrial toxicity - plants, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|--------------------------|----------|-----------------------|-------------------------|----------|----------------------|------------------|
| alkyl alcohol ethoxylate | NOEC | 10 | <i>Lepidium sativum</i> | OECD 208 | | |

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

| Ingredient(s) | Half-life time | Method | Evaluation | Remark |
|---------------------------------|----------------|------------------|-------------------------|--------|
| (2-methoxymethylethoxy)propanol | < 1 day(s) | Method not given | Rapidly photodegradable | |

TASKI Jontec Forward F4h

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 |
|---------------------------------|--------------------------|----------------------------|---------------------|-----------|-----------------------|
| (2-methoxymethylethoxy)propanol | | Oxygen depletion | 75 % in 28 day(s) | OECD 301F | Readily biodegradable |
| sodium alkylbenzenesulphonate | Activated sludge, aerobe | CO ₂ production | 85% in 29 day(s) | OECD 301B | Readily biodegradable |
| alkyl alcohol alkoxylate | | CO ₂ production | > 60 % in 28 day(s) | ISO 14593 | Readily biodegradable |
| alkyl alcohol ethoxylate | Activated sludge, aerobe | CO ₂ production | > 60 % in 28 day(s) | OECD 301B | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log K_{ow})

| Ingredient(s) | Value | Method | Evaluation | Remark |
|---------------------------------|-------------------|------------------|-----------------------------------|--------|
| (2-methoxymethylethoxy)propanol | 1.01 | Method not given | Low potential for bioaccumulation | |
| sodium alkylbenzenesulphonate | No data available | | | |
| alkyl alcohol alkoxylate | No data available | | | |
| alkyl alcohol ethoxylate | 4.09 | QSAR | No bioaccumulation expected | |

Bioconcentration factor (BCF)

| Ingredient(s) | Value | Species | Method | Evaluation | Remark |
|---------------------------------|-------------------|---------|--------|-----------------------------|--------|
| (2-methoxymethylethoxy)propanol | No data available | | | | |
| sodium alkylbenzenesulphonate | No data available | | | | |
| alkyl alcohol alkoxylate | No data available | | | | |
| alkyl alcohol ethoxylate | - | | | No bioaccumulation expected | |

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-methoxymethylethoxy)propanol | No data available | | | | High potential for mobility in soil |
| sodium alkylbenzenesulphonate | No data available | | | | |
| alkyl alcohol alkoxylate | No data available | | | | |
| alkyl alcohol ethoxylate | No data available | | | | Immobile in soil or sediment |

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:

European Waste Catalogue:

Empty packaging

Recommendation:

Suitable cleaning agents:

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.
20 01 29* - detergents containing dangerous substances.

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****National regulations :**

- Regulation (EC) 1907/2006 - REACH (UK amended)
- Regulation (EC) 1272/2008 - CLP (UK amended)
- Regulation (EC) 648/2004 - Detergents regulation (UK amended)
- Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
- 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 Detergents Regulation

non-ionic surfactants, anionic surfactants, soap

< 5 %

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents (UK amended). Data to support this assertion are held at the disposal of the competent authorities of the UK and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Comah - 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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Reason for revision:

Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006, This data sheet contains changes from the previous version in section(s):, 1, 3, 6, 8, 9, 11, 12, 15, 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

TASKI Jontec Forward F4h

- 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
- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H412 - Harmful to aquatic life with long lasting effects.

End of Safety Data Sheet