

**Taski Jontec Forward QS F4i**

Revision: 2017-04-02

Version: 06.1

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

**1.1 Product identifier**

Trade name: Taski Jontec Forward QS F4i

**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**

**Contact details**

Diversey Hygiene Sales Limited  
Jamestown Road, Finglas, Dublin 11, Ireland  
Tel: 01 8081808 (9am - 5pm Mon-Fri)  
Email: dublin.orders@sealedair.com

**1.4 Emergency telephone number**

Tel: 01 8081808 (9am - 5pm Mon-Fri)

After hours: National Poisons Centre, Beaumont Hospital, Dublin 9

Tel: 01 8379964

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Skin Irrit. 2 (H315)

Eye Irrit. 2 (H319)

**2.2 Label elements**



**Signal word:** Warning.

**Hazard statements:**

H315 + H319 - Causes skin and serious eye irritation.

**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**

| Ingredient(s)                   | EC number | CAS number | REACH number     | Classification   | Notes | Weight percent |
|---------------------------------|-----------|------------|------------------|--|-------|----------------|
| (2-methoxymethylethoxy)propanol | 252-104-2 | 34590-94-8 | 01-2119450011-60 | Not classified   |       | 10-20          |
| sodium alkylbenzenesulphonate   | 290-656-6 | 90194-45-9 | [1]              | Acute Tox. 4 (H302)<br>Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318) |       | 3-10           |

## Taski Jontec Forward QS F4i

|                          |           |             |                  |   |       |
|--------------------------|-----------|-------------|------------------|---|-------|
| alkyl alcohol alkoxylate | Polymer*  | 196823-11-7 | [4]              | Eye Irrit. 2 (H319)   | 3-10  |
| alkyl alcohol ethoxylate | Polymer*  | 69011-36-5  | [4]              | Acute Tox. 4 (H302)<br>Eye Dam. 1 (H318)  | 1-3   |
| 2-aminoethanol           | 205-483-3 | 141-43-5    | 01-2119486455-28 | Skin Corr. 1B (H314)<br>Acute Tox. 4 (H302)<br>Acute Tox. 4 (H312)<br>Acute Tox. 4 (H332)<br>STOT SE 3 (H335)<br>Aquatic Chronic 3 (H412) | 1-3   |
| alkyl alcohol ethoxylate | Polymer*  | 61827-42-7  | [4]              | Eye Dam. 1 (H318)<br>Aquatic Chronic 3 (H412)   | 1-3   |
| ammonia                  | 215-647-6 | 1336-21-6   | 01-2119488876-14 | Skin Corr. 1B (H314)<br>STOT SE 3 (H335)<br>Aquatic Acute 1 (H400)  | 0.1-1 |

\* Polymer.

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

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.

## 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. Take off immediately all contaminated clothing and wash it before re-use. If skin irritation occurs: Get medical advice or attention.

**Eye contact:**

Immediately rinse eyes cautiously with lukewarm water for several 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. 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:**

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

No special measures required.

### 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

## Taski Jontec Forward QS F4i

**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 Sealed Air. 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. Use personal protective equipment as required. Use only with adequate ventilation.

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

Store in accordance with local and national regulations. Keep only in original container. Store in a closed container.

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-methoxymethylethoxy)propanol | 50 ppm<br>308 mg/m <sup>3</sup> | 150 ppm<br>924 mg/m <sup>3</sup> |
| 2-aminoethanol                  | 1 ppm<br>2.5 mg/m <sup>3</sup>  | 3 ppm<br>7.6 mg/m <sup>3</sup>   |

Biological limit values, if available:

Recommended monitoring procedures, if available:

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

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

DNEL 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 | -                          | -                             | -                         | 1.67                         |
| sodium alkylbenzenesulphonate   | No data available          | No data available             | No data available         | No data available            |
| alkyl alcohol alkoxyolate       | No data available          | No data available             | No data available         | No data available            |
| alkyl alcohol ethoxylate        | -                          | -                             | -                         | -                            |
| 2-aminoethanol                  | -                          | -                             | -                         | 3.75                         |
| alkyl alcohol ethoxylate        | No data available          | No data available             | No data available         | No data available            |
| ammonia                         | -                          | -                             | -                         | -                            |

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) |
|---------------------------------|----------------------------|--|---------------------------|---|
| (2-methoxymethylethoxy)propanol | No data available          | -  | No data available         | 65                                      |
| sodium alkylbenzenesulphonate   | No data available          | No data available                        | No data available         | No data available                       |
| alkyl alcohol alkoxyolate       | No data available          | No data available                        | No data available         | No data available                       |
| alkyl alcohol ethoxylate        | -                          | -  | -                         | -                                       |
| 2-aminoethanol                  | No data available          | -  | No data available         | 1                                       |
| alkyl alcohol ethoxylate        | No data available          | No data available                        | No data available         | No data available                       |
| ammonia                         | No data available          | 6.8                                      | No data available         | 6.8                                     |

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) |
|---------------------------------|----------------------------|--|---------------------------|---|
| (2-methoxymethylethoxy)propanol | No data available          | -  | No data available         | 15                                      |
| sodium alkylbenzenesulphonate   | No data available          | No data available                        | No data available         | No data available                       |
| alkyl alcohol alkoxyolate       | No data available          | No data available                        | No data available         | No data available                       |
| alkyl alcohol ethoxylate        | -                          | -  | -                         | -                                       |
| 2-aminoethanol                  | No data available          | -  | No data available         | 0.24                                    |
| alkyl alcohol ethoxylate        | No data available          | No data available                        | No data available         | No data available                       |
| ammonia                         | No data available          | -  | No data available         | -                                       |

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

| Ingredient(s) | Short term - Local | Short term - Systemic | Long term - Local | Long term - Systemic |
|---------------|--------------------|-----------------------|-------------------|----------------------|
|---------------|--------------------|-----------------------|-------------------|----------------------|

## Taski Jontec Forward QS F4i

|                                 | effects           | effects           | effects           | effects           |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|
| (2-methoxymethylethoxy)propanol | -                 | -                 | -                 | 310               |
| sodium alkylbenzenesulphonate   | No data available | No data available | No data available | No data available |
| alkyl alcohol alkoxylate        | No data available | No data available | No data available | No data available |
| alkyl alcohol ethoxylate        | -                 | -                 | -                 | No data available |
| 2-aminoethanol                  | -                 | -                 | 3.3               | 3.3               |
| alkyl alcohol ethoxylate        | No data available | No data available | No data available | No data available |
| ammonia                         | 36                | 47.6              | 14                | 47.6              |

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

| Ingredient(s)                   | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| (2-methoxymethylethoxy)propanol | -                          | -                             | -                         | 37.2                         |
| sodium alkylbenzenesulphonate   | No data available          | No data available             | No data available         | No data available            |
| alkyl alcohol alkoxylate        | No data available          | No data available             | No data available         | No data available            |
| alkyl alcohol ethoxylate        | No data available          | No data available             | -                         | -                            |
| 2-aminoethanol                  | -                          | -                             | 2                         | 2                            |
| alkyl alcohol ethoxylate        | No data available          | No data available             | No data available         | No data available            |
| ammonia                         | -                          | -                             | -                         | -                            |

**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   | No data available           | No data available            | No data available   | No data available             |
| alkyl alcohol alkoxylate        | No data available           | No data available            | No data available   | No data available             |
| alkyl alcohol ethoxylate        | -                           | -                            | -                   | -                             |
| 2-aminoethanol                  | 0.085                       | 0.0085                       | 0.025               | 100                           |
| alkyl alcohol ethoxylate        | No data available           | No data available            | No data available   | No data available             |
| ammonia                         | 0.0011                      | 0.011                        | -                   | -                             |

Environmental exposure - PNEC, continued

| Ingredient(s)                   | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg)      | Air (mg/m <sup>3</sup> ) |
|---------------------------------|------------------------------|--------------------------|-------------------|--------------------------|
| (2-methoxymethylethoxy)propanol | 70.2                         | 7.02                     | 2.74              | 190                      |
| sodium alkylbenzenesulphonate   | No data available            | No data available        | No data available | No data available        |
| alkyl alcohol alkoxylate        | No data available            | No data available        | No data available | No data available        |
| alkyl alcohol ethoxylate        | -                            | -                        | -                 | -                        |
| 2-aminoethanol                  | 0.425                        | 0.0425                   | 0.035             | 0.025                    |
| alkyl alcohol ethoxylate        | No data available            | No data available        | No data available | No data available        |
| ammonia                         | -                            | -                        | -                 | -                        |

**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.

**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:** No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

## Taski Jontec Forward QS F4i

**Recommended maximum concentration (%):** 0.5

**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, Light, Yellow

**Odour:** Product specific

**Odour threshold:** Not applicable

**pH:** ≈ 11 (neat)

**Dilution pH:** Not measured

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

Not relevant to classification of this product

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

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 |                            |
| 2-aminoethanol                  | 169-171           | Method not given | 1013                       |
| alkyl alcohol ethoxylate        | No data available |                  |                            |
| ammonia                         | 28.5              | Method not given |                            |

**Method / remark**

**Flash point (°C):** Not applicable.

**Sustained combustion:** Not applicable.

**Evaporation rate:** Not determined

**Flammability (solid, gas):** Not determined

**Upper/lower flammability limit (%):** Not determined

Substance data, flammability or explosive limits, if available:

| Ingredient(s)                   | Lower limit (% vol) | Upper limit (% vol) |
|---------------------------------|---------------------|---------------------|
| (2-methoxymethylethoxy)propanol | 1.1                 | 14                  |
| 2-aminoethanol                  | 3.4                 | 27                  |
| ammonia                         | 15.4                | 33.6                |

**Method / remark**

**Vapour pressure:** Not determined

Substance data, vapour pressure

| Ingredient(s)                   | Value (Pa)        | Method           | Temperature (°C) |
|---------------------------------|-------------------|------------------|------------------|
| (2-methoxymethylethoxy)propanol | 5500              | Method not given | 20               |
| sodium alkylbenzenesulphonate   | No data available |                  |                  |
| alkyl alcohol alkoxylate        | No data available |                  |                  |
| alkyl alcohol ethoxylate        | Negligible        | Method not given | 20-25            |
| 2-aminoethanol                  | 50                | Method not given | 20               |
| alkyl alcohol ethoxylate        | No data available |                  |                  |
| ammonia                         | 586500            | Method not given | 20               |

**Method / remark**

**Vapour density:** Not determined

**Relative density:** ≈ 1.03 (20 °C)

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

## Taski Jontec Forward QS F4i

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 alkoxyolate       | No data available |                  |                  |
| alkyl alcohol ethoxyolate       | Soluble           | Method not given | 20               |
| 2-aminoethanol                  | 1000              | Method not given | 20               |
| alkyl alcohol ethoxyolate       | Partly soluble    |                  |                  |
| ammonia                         | 100 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.  
**Oxidising properties:** Not oxidising

## 9.2 Other information

**Surface tension (N/m):** Not determined  
**Corrosion to metals:** Not corrosive

Not relevant to classification of this product

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

Reacts with acids.

## 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):

## Eye irritation and corrosivity

**Result:** Eye irritant 2**Method:** OECD 438

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) |
|---------------------------------|------------------|-------------------|---------|------------------------|-------------------|
| (2-methoxymethylethoxy)propanol | LD <sub>50</sub> | > 4000            | Rat     | Method not given       |                   |
| sodium alkylbenzenesulphonate   |                  | No data available |         |                        |                   |
| alkyl alcohol alkoxyolate       |                  | No data available |         |                        |                   |
| alkyl alcohol ethoxyolate       | LD <sub>50</sub> | > 300 - 2000      | Rat     | OECD 423 (EU B.1 tris) |                   |
| 2-aminoethanol                  | LD <sub>50</sub> | 1515              | Rat     | OECD 401 (EU B.1)      |                   |
| alkyl alcohol ethoxyolate       | LD <sub>50</sub> | > 5000            | Rat     | Method not given       |                   |
| ammonia                         | LD <sub>50</sub> | 350               | Rat     | Method not given       |                   |

## Taski Jontec Forward QS F4i

## Acute dermal toxicity

| Ingredient(s)                   | Endpoint         | Value (mg/kg)     | Species | Method           | Exposure time (h) |
|---------------------------------|------------------|-------------------|---------|------------------|-------------------|
| (2-methoxymethylethoxy)propanol | LD <sub>50</sub> | 9510              | Rabbit  | Method not given |                   |
| sodium alkylbenzenesulphonate   |                  | No data available |         |                  |                   |
| alkyl alcohol alkoxylate        |                  | No data available |         |                  |                   |
| alkyl alcohol ethoxylate        | LD <sub>50</sub> | > 2000            | Rabbit  | Method not given |                   |
| 2-aminoethanol                  | LD <sub>50</sub> | 1025              | Rabbit  | Method not given |                   |
| alkyl alcohol ethoxylate        |                  | No data available |         |                  |                   |
| ammonia                         |                  | No data available |         |                  |                   |

## Acute inhalative toxicity

| Ingredient(s)                   | Endpoint         | Value (mg/l)          | Species | Method             | Exposure time (h) |
|---------------------------------|------------------|-----------------------|---------|--------------------|-------------------|
| (2-methoxymethylethoxy)propanol |                  | No data available     |         |                    |                   |
| sodium alkylbenzenesulphonate   |                  | No data available     |         |                    |                   |
| alkyl alcohol alkoxylate        |                  | No data available     |         |                    |                   |
| alkyl alcohol ethoxylate        |                  | No data available     |         |                    |                   |
| 2-aminoethanol                  |                  | No mortality observed | Rat     | Non guideline test | 6                 |
| alkyl alcohol ethoxylate        |                  | No data available     |         |                    |                   |
| ammonia                         | LC <sub>50</sub> | 7.035                 | Rat     | Method not given   | 0.5               |

## Irritation and corrosivity

## Skin irritation and corrosivity

| Ingredient(s)                   | Result            | Species | Method            | Exposure time |
|---------------------------------|-------------------|---------|-------------------|---------------|
| (2-methoxymethylethoxy)propanol | Not irritant      |         | Method not given  |               |
| sodium alkylbenzenesulphonate   | No data available |         |                   |               |
| alkyl alcohol alkoxylate        | No data available |         |                   |               |
| alkyl alcohol ethoxylate        | Not irritant      | Rabbit  | OECD 404 (EU B.4) |               |
| 2-aminoethanol                  | Corrosive         | Rabbit  | OECD 404 (EU B.4) |               |
| alkyl alcohol ethoxylate        | Irritant          | Rabbit  | Method not given  |               |
| ammonia                         | Corrosive         |         | Method not given  |               |

## Eye irritation and corrosivity

| Ingredient(s)                   | Result                    | Species | Method            | Exposure time |
|---------------------------------|---------------------------|---------|-------------------|---------------|
| (2-methoxymethylethoxy)propanol | Not corrosive or irritant |         | Method not given  |               |
| sodium alkylbenzenesulphonate   | No data available         |         |                   |               |
| alkyl alcohol alkoxylate        | No data available         |         |                   |               |
| alkyl alcohol ethoxylate        | Severe damage             | Rabbit  | Method not given  |               |
| 2-aminoethanol                  | Severe damage             | Rabbit  | OECD 405 (EU B.5) |               |
| alkyl alcohol ethoxylate        | Severe damage             | Rabbit  | Method not given  |               |
| ammonia                         | Severe damage             |         | 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               |         |                  |               |
| 2-aminoethanol                  | Irritating to respiratory tract |         | Method not given |               |
| alkyl alcohol ethoxylate        | No data available               |         |                  |               |
| ammonia                         | Irritating to respiratory tract |         | Method not given |               |

## Sensitisation

## Sensitisation by skin contact

| Ingredient(s)                   | Result            | Species | Method           | Exposure time (h) |
|---------------------------------|-------------------|---------|------------------|-------------------|
| (2-methoxymethylethoxy)propanol | Not sensitising   |         | Method not given |                   |
| sodium alkylbenzenesulphonate   | No data available |         |                  |                   |
| alkyl alcohol alkoxylate        | No data available |         |                  |                   |

## Taski Jontec Forward QS F4i

|                          |                   |            |                          |  |
|--------------------------|-------------------|------------|--------------------------|--|
| alkyl alcohol ethoxylate | Not sensitising   | Guinea pig | Method not given         |  |
| 2-aminoethanol           | Not sensitising   | Guinea pig | OECD 406 (EU B.6) / GPMT |  |
| alkyl alcohol ethoxylate | No data available |            |                          |  |
| ammonia                  | Not sensitising   |            | 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 alkoxyate         | No data available |         |        |               |
| alkyl alcohol ethoxylate        | No data available |         |        |               |
| 2-aminoethanol                  | No data available |         |        |               |
| alkyl alcohol ethoxylate        | No data available |         |        |               |
| ammonia                         | 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 alkoxyate         | 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   |
| 2-aminoethanol                  | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13) OECD 473 OECD 476 (Mouse lymphoma) | No evidence for mutagenicity, negative test results | OECD 474 (EU B.12) |
| alkyl alcohol ethoxylate        | No data available                                   |  | No data available                                   |                    |
| ammonia                         | No evidence for mutagenicity                        |  | No evidence for mutagenicity                        |                    |

## Carcinogenicity

| Ingredient(s)                   | Effect   |
|---------------------------------|--|
| (2-methoxymethylethoxy)propanol | No evidence for carcinogenicity, negative test results |
| sodium alkylbenzenesulphonate   | No data available                                      |
| alkyl alcohol alkoxyate         | No data available                                      |
| alkyl alcohol ethoxylate        | No evidence for carcinogenicity, weight-of-evidence    |
| 2-aminoethanol                  | No evidence for carcinogenicity, weight-of-evidence    |
| alkyl alcohol ethoxylate        | No data available                                      |
| ammonia                         | No data available                                      |

## 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 |          | Developmental toxicity | No data available  |         |                          |               | No evidence for reproductive toxicity  |
| sodium alkylbenzenesulphonate   |          |                        | No data available  |         |                          |               |  |
| alkyl alcohol alkoxyate         |          |                        | No data available  |         |                          |               |  |
| alkyl alcohol ethoxylate        | NOAEL    | Teratogenic effects    | > 50               | Rat     | Not known                |               | No known significant effects or critical hazards                             |
| 2-aminoethanol                  | NOAEL    | Developmental toxicity | > 75               | Rabbit  | OECD 414 (EU B.31), oral | 6 - 15 day(s) | No evidence for developmental toxicity No evidence for reproductive toxicity |
| alkyl alcohol ethoxylate        |          |                        | No data available  |         |                          |               |  |
| ammonia                         |          |                        | 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 |
|---------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| (2-methoxymethylethoxy)propanol |          | No data available  |         |        |                      |                                      |
| sodium alkylbenzenesulphonate   |          | No data available  |         |        |                      |                                      |
| alkyl alcohol alkoxyate         |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate        |          | No data available  |         |        |                      |                                      |



## Taski Jontec Forward QS F4i

|                          |       |                   |     |                  |    |  |
|--------------------------|-------|-------------------|-----|------------------|----|--|
| 2-aminoethanol           | NOAEL | 300               | Rat |                  | 75 |  |
| alkyl alcohol ethoxylate |       | No data available |     |                  |    |  |
| ammonia                  | NOAEL | 68                |     | Method not given |    |  |

## 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 alkoxyate         |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate        |          | No data available  |         |        |                      |                                      |
| 2-aminoethanol                  |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate        |          | No data available  |         |        |                      |                                      |
| ammonia                         |          | 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 alkoxyate         |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate        |          | No data available  |         |        |                      |                                      |
| 2-aminoethanol                  |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate        |          | No data available  |         |        |                      |                                      |
| ammonia                         |          | 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 alkoxyate         |                |          | No data available  |         |                  |               |                                      |        |
| alkyl alcohol ethoxylate        | Oral           | NOAEL    | 50                 | Rat     | Method not given | 24 month(s)   | Effects on organ weights             |        |
| 2-aminoethanol                  |                |          | No data available  |         |                  |               |                                      |        |
| alkyl alcohol ethoxylate        |                |          | No data available  |         |                  |               |                                      |        |
| ammonia                         |                |          | No data available  |         |                  |               |                                      |        |

## STOT-single exposure

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

## STOT-repeated exposure

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

|         |                   |
|---------|-------------------|
| ammonia | 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) |
|---------------------------------|------------------|-------------------|----------------------------|-------------------|-------------------|
| (2-methoxymethylethoxy)propanol | LC <sub>50</sub> | > 1000            | <i>Poecilia reticulata</i> | Method not given  | 96                |
| sodium alkylbenzenesulphonate   |                  | No data available |                            |                   |                   |
| alkyl alcohol alkoxylate        |                  | No data available |                            |                   |                   |
| alkyl alcohol ethoxylate        | LC <sub>50</sub> | 1 - 10            | <i>Cyprinus carpio</i>     | OECD 203 (EU C.1) | 96                |
| 2-aminoethanol                  | LC <sub>50</sub> | 349               | <i>Cyprinus carpio</i>     | OECD 203 (EU C.1) | 96                |
| alkyl alcohol ethoxylate        | LC <sub>50</sub> | 10 - 100          | <i>Oncorhynchus mykiss</i> | Method not given  | 96                |
| ammonia                         | LC <sub>50</sub> | 0.56 - 2.48       | <i>Fish</i>                | Method not given  | 96                |

Aquatic short-term toxicity - crustacea

| Ingredient(s)                   | Endpoint         | Value (mg/l)      | Species                     | Method           | Exposure time (h) |
|---------------------------------|------------------|-------------------|-----------------------------|------------------|-------------------|
| (2-methoxymethylethoxy)propanol | EC <sub>50</sub> | 1919              | <i>Daphnia magna Straus</i> | Method not given | 48                |
| sodium alkylbenzenesulphonate   |                  | No data available |                             |                  |                   |
| alkyl alcohol alkoxylate        |                  | No data available |                             |                  |                   |
| alkyl alcohol ethoxylate        | EC <sub>50</sub> | 1 - 10            | <i>Daphnia magna Straus</i> | OECD 202, static | 48                |
| 2-aminoethanol                  | EC <sub>50</sub> | 65                | <i>Daphnia magna Straus</i> | OECD 202, static | 48                |
| alkyl alcohol ethoxylate        | EC <sub>50</sub> | 10 - 100          | <i>Not specified</i>        | Read across      | 48                |
| ammonia                         | EC <sub>50</sub> | 1.1 - 22.8        | <i>Daphnia magna Straus</i> | Method not given | -                 |

Aquatic short-term toxicity - algae

| Ingredient(s)                   | Endpoint         | Value (mg/l)      | Species                                | Method            | Exposure time (h) |
|---------------------------------|------------------|-------------------|--|-------------------|-------------------|
| (2-methoxymethylethoxy)propanol | EC <sub>50</sub> | > 969             | <i>Selenastrum capricornutum</i>       | Method not given  | 72                |
| sodium alkylbenzenesulphonate   |                  | No data available |  |                   |                   |
| alkyl alcohol alkoxylate        |                  | No data available |  |                   |                   |
| alkyl alcohol ethoxylate        | EC <sub>50</sub> | 1 - 10            | <i>Desmodesmus subspicatus</i>         | OECD 201, static  | 72                |
| 2-aminoethanol                  | NOEC             | 1                 | <i>Pseudokirchneriella subcapitata</i> | OECD 201 (EU C.3) | 72                |
| alkyl alcohol ethoxylate        | EC <sub>50</sub> | 10 - 100          | <i>Not specified</i>                   | Read across       | 72                |
| ammonia                         |                  | No data available |  |                   | -                 |

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 QS F4i

|                          |  |                   |  |  |   |
|--------------------------|--|-------------------|--|--|---|
|                          |  | available         |  |  |   |
| 2-aminoethanol           |  | No data available |  |  | - |
| alkyl alcohol ethoxylate |  | No data available |  |  | - |
| ammonia                  |  | No data available |  |  | - |

## Impact on sewage plants - toxicity to bacteria

| Ingredient(s)                   | Endpoint         | Value (mg/l)      | Inoculum                  | Method                              | Exposure time |
|---------------------------------|------------------|-------------------|---------------------------|-------------------------------------|---------------|
| (2-methoxymethylethoxy)propanol | EC <sub>10</sub> | 4168              | <i>Pseudomonas putida</i> | Method not given                    |               |
| sodium alkylbenzenesulphonate   |                  | No data available |                           |                                     |               |
| alkyl alcohol alkoxylate        |                  | No data available |                           |                                     |               |
| alkyl alcohol ethoxylate        | EC <sub>10</sub> | > 10000           | Activated sludge          | DIN 38412 / Part 8                  | 17 hour(s)    |
| 2-aminoethanol                  | EC <sub>50</sub> | > 1000            | Activated sludge          | DIN EN ISO 8192-OECD 209-88/302/EEC | 3 hour(s)     |
| alkyl alcohol ethoxylate        | EC <sub>10</sub> | > 2000            | Activated sludge          | DEV-L2                              |               |
| ammonia                         |                  | No data available |                           |                                     |               |

## 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   |          | No data available |                        |          |               |                  |
| alkyl alcohol alkoxylate        |          | No data available |                        |          |               |                  |
| alkyl alcohol ethoxylate        |          | No data available |                        |          |               |                  |
| 2-aminoethanol                  | NOEC     | 1.2               | <i>Oryzias latipes</i> | OECD 210 | 30 day(s)     |                  |
| alkyl alcohol ethoxylate        |          | No data available |                        |          |               |                  |
| ammonia                         |          | 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 |                      |                  |               |                  |
| 2-aminoethanol                  | NOEC     | 0.85              | <i>Daphnia magna</i> | OECD 211         | 21 day(s)     |                  |
| alkyl alcohol ethoxylate        |          | No data available |                      |                  |               |                  |
| ammonia                         |          | 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         |         |        | -                    |                  |
| 2-aminoethanol                  |          | No data available         |         |        | -                    |                  |
| alkyl alcohol ethoxylate        |          | No data available         |         |        | -                    |                  |
| ammonia                         |          | No data available         |         |        | -                    |                  |

## Taski Jontec Forward QS F4i

**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 |
|---------------------------------|----------|-----------------------|-----------------------|--------|----------------------|------------------|
| (2-methoxymethylethoxy)propanol |          | No data available     |                       |        | -                    |                  |
| alkyl alcohol ethoxylate        | NOEC     | 220                   | <i>Eisenia fetida</i> |        | -                    |                  |
| 2-aminoethanol                  |          | No data available     |                       |        | -                    |                  |
| alkyl alcohol ethoxylate        |          | No data available     |                       |        | -                    |                  |
| ammonia                         |          | No data available     |                       |        | -                    |                  |

Terrestrial toxicity - plants, if available:

| Ingredient(s)                   | Endpoint | Value (mg/kg dw soil) | Species                 | Method   | Exposure time (days) | Effects observed |
|---------------------------------|----------|-----------------------|-------------------------|----------|----------------------|------------------|
| (2-methoxymethylethoxy)propanol |          | No data available     |                         |          | -                    |                  |
| alkyl alcohol ethoxylate        | NOEC     | 10                    | <i>Lepidium sativum</i> | OECD 208 | -                    |                  |
| 2-aminoethanol                  |          | No data available     |                         |          | -                    |                  |
| alkyl alcohol ethoxylate        |          | No data available     |                         |          | -                    |                  |
| ammonia                         |          | No data available     |                         |          | -                    |                  |

Terrestrial toxicity - birds, if available:

| Ingredient(s)                   | Endpoint | Value             | Species | Method | Exposure time (days) | Effects observed |
|---------------------------------|----------|-------------------|---------|--------|----------------------|------------------|
| (2-methoxymethylethoxy)propanol |          | No data available |         |        | -                    |                  |
| alkyl alcohol ethoxylate        |          | No data available |         |        | -                    |                  |
| 2-aminoethanol                  |          | No data available |         |        | -                    |                  |
| alkyl alcohol ethoxylate        |          | No data available |         |        | -                    |                  |
| ammonia                         |          | No data available |         |        | -                    |                  |

Terrestrial toxicity - beneficial insects, if available:

| Ingredient(s)                   | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| (2-methoxymethylethoxy)propanol |          | No data available     |         |        | -                    |                  |
| alkyl alcohol ethoxylate        |          | No data available     |         |        | -                    |                  |
| 2-aminoethanol                  |          | No data available     |         |        | -                    |                  |
| alkyl alcohol ethoxylate        |          | No data available     |         |        | -                    |                  |
| ammonia                         |          | No data available     |         |        | -                    |                  |

Terrestrial toxicity - soil bacteria, if available:

| Ingredient(s)                   | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| (2-methoxymethylethoxy)propanol |          | No data available     |         |        | -                    |                  |
| alkyl alcohol ethoxylate        |          | No data available     |         |        | -                    |                  |
| 2-aminoethanol                  |          | No data available     |         |        | -                    |                  |
| alkyl alcohol ethoxylate        |          | No data available     |         |        | -                    |                  |
| ammonia                         |          | 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 |
|---------------------------------|----------------|------------------|-------------------------|--------|
| (2-methoxymethylethoxy)propanol | < 1 day(s)     | 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 <sub>50</sub>    | Method           | Evaluation                           |
|---------------------------------|----------|----------------------------|---------------------|------------------|--------------------------------------|
| (2-methoxymethylethoxy)propanol |          | Oxygen depletion           | 75 % in 28 day(s)   | OECD 301F        | Readily biodegradable                |
| sodium alkylbenzenesulphonate   |          |                            |                     |                  | No data available                    |
| alkyl alcohol alkoxylate        |          |                            |                     |                  | No data available                    |
| alkyl alcohol ethoxylate        |          | CO <sub>2</sub> production | > 60 % in 28 day(s) | Method not given | Readily biodegradable                |
| 2-aminoethanol                  |          | DOC reduction              | > 90 % in 21 day(s) | OECD 301A        | Readily biodegradable                |
| alkyl alcohol ethoxylate        |          | CO <sub>2</sub> production | > 60 % in 28 day(s) | OECD 301B        | Readily biodegradable                |
| ammonia                         |          |                            |                     |                  | Not applicable (inorganic substance) |

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 Kow)

| 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        | No data available |                  |                                   |        |
| 2-aminoethanol                  | - 1.91            | OECD 107         | No bioaccumulation expected       |        |
| alkyl alcohol ethoxylate        | No data available |                  | No bioaccumulation expected       |        |
| ammonia                         | 0.23              | Method not given | 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 data available |         |        |            |        |
| 2-aminoethanol                  | No data available |         |        |            |        |
| alkyl alcohol ethoxylate        | No data available |         |        |            |        |
| ammonia                         | No data available |         |        |            |        |

### 12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

| Ingredient(s)                   | Adsorption coefficient Log K <sub>oc</sub> | Desorption coefficient Log K <sub>oc</sub> (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  |
| 2-aminoethanol                  | 0.067                                      |  | Model calculation |                    | Potential for mobility in soil, soluble in water Adsorption to solid soil phase is not expected |
| alkyl alcohol ethoxylate        | No data available                          |  |                   |                    | Potential for mobility in soil, soluble in water  |
| ammonia                         | No data available                          |  |                   |                    | Low mobility in soil  |

### 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

## Taski Jontec Forward QS F4i

**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:** Non-dangerous goods

**14.2 UN proper shipping name:** Non-dangerous goods

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

**Class:** -

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

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations:**

- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 1907/2006 - REACH

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

**Ingredients according to EC Detergents Regulation 648/2004**

anionic surfactants, non-ionic surfactants  
soap

5 - 15%  
< 5%

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:** MSDS7319

**Version:** 06.1

**Revision:** 2017-04-02

**Reason for revision:**

Overall design adjusted in accordance with Amendment 453/2010, Annex II of Regulation (EC) No 1907/2006, This data sheet contains changes from the previous version in section(s):, 2, 3, 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:**

- H302 - Harmful if swallowed.
- H312 - Harmful in contact with skin.
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H332 - Harmful if inhaled.
- H335 - May cause respiratory irritation.
- H400 - Very toxic to aquatic life.
- 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

**Taski Jontec Forward QS F4i**

- 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

**End of Safety Data Sheet**