



## Safety Data Sheet

According to Regulation (EC) No 1907/2006

### Taski Sani 4 in 1 J-Flex

Revision: 2014-02-06

Version: 01

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

### 1.1 Product identifier

**Trade name:** Taski Sani 4 in 1 J-Flex

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

#### Identified uses:

For professional use only.

AISE-P305 - Sanitary cleaner. Manual process

AISE-P306 - Sanitary cleaner. Spray and wipe manual process

AISE-P314 - Surface disinfectant. Manual process

AISE-P315 - Surface disinfectant. Spray and rinse manual process

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

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

Diversey Ltd

#### Contact details

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: MSDSinfoUK@sealedair.com

### 1.4 Emergency telephone number

For medical or environmental emergency only:

call 0800 052 0185

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified and labelled in accordance with Directive 1999/45/EC and corresponding national legislation.

#### Indication of danger

C - Corrosive

#### Risk phrases:

R35 - Causes severe burns.

### 2.2 Label elements



C - Corrosive

Contains methanesulphonic acid

#### Risk phrases:

R35 - Causes severe burns.

#### Safety phrases:

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28a - After contact with skin, wash immediately with plenty of water.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

### 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      | Classification (EC) 1272/2008                                      | Notes | Weight percent |
|----------------------------|-----------|------------|-------------------|---------------------|--------------------------------------------------------------------|-------|----------------|
| isotridecanol, ethoxylated | Polymer*  | 69011-36-5 | [4]               | Xn;R22<br>Xi;R41    | Eye Dam. 1 (H318)<br>Acute Tox. 4 (H302)                           |       | 10-20          |
| methanesulphonic acid      | 200-898-6 | 75-75-2    | 01-2119491166-34  | C;R34               | Skin Corr. 1B (H314)                                               |       | 3-10           |
| alkyl alcohol ethoxylate   | Polymer*  | -          | [4]               | Xn;R22<br>Xi;R36/38 | Acute Tox. 4 (H302)<br>Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319) |       | 3-10           |
| ethanol                    | 200-578-6 | 64-17-5    | No data available | F;R11               | Flam. Liq. 2 (H225)                                                |       | 3-10           |
| salicylic acid             | 200-712-3 | 69-72-7    | 01-2119486984-17  | Xn;R22<br>Xi;R41    | Eye Dam. 1 (H318)<br>Acute Tox. 4 (H302)                           |       | 3-10           |

\* Polymer.

For the full text of the R, 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****General Information:**

If unconscious place in recovery position and seek medical advice.

**Inhalation**

Remove from source of exposure. Get medical attention immediately.

**Skin contact:**

Immediately wash off with plenty of water. Take off all contaminated clothing immediately. Get medical attention.

**Eye contact:**

Wash off immediately with plenty of water. Get medical attention immediately.

**Ingestion:**

Remove material from mouth. Immediately drink 1-2 glasses of water or milk. Get medical attention immediately.

**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:**

Severe irritant, may cause respiratory tract irritation.

**Skin contact:**

Causes severe burns.

**Eye contact:**

Causes severe or permanent damage.

**Ingestion:**

Causes severe burns. Ingestion will lead to a strong caustic effect on mouth and throat and to the danger of perforation of oesophagus and stomach.

**Sensitisation:**

No known effects.

**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 suitable protective clothing, gloves and eye/face protection.

**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**

Use neutralising agent. Absorb onto dry sand or similar inert material.

**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**

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**7.1 Precautions for safe handling****Advice on safe handling:**

Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products unless advised by Diversey. For advice on general occupational hygiene see subsection 8.2. For environmental exposure controls see subsection 8.2. For incompatible materials see subsection 10.5.

**Prevention of fire and explosion:**

No special precautions required.

**7.2 Conditions for safe storage, including any incompatibilities****Requirements for storage rooms / facilities:**

In accordance with local and national regulations.

**Combined storage in storage rooms / facilities:**

In accordance with local and national regulations. Store away from products containing chlorine-based bleaching agents or sulphites.

**Basic storage conditions**

Store in original container. Keep container tightly closed. For conditions to avoid see subsection 10.4.

**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)           |
|---------------|------------------------------------|------------------------------------|
| ethanol       | 1000 ppm<br>1920 mg/m <sup>3</sup> | 3000 ppm<br>5760 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 |
|----------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| isotridecanol, ethoxylated | No data available          | No data available             | No data available         | No data available            |
| methanesulphonic acid      | No data available          | No data available             | No data available         | 8.33                         |
| alkyl alcohol ethoxylate   | No data available          | No data available             | No data available         | No data available            |
| ethanol                    | No data available          | No data available             | No data available         | No data available            |
| salicylic acid             | No data available          | 4                             | No data available         | 1                            |

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) |
|----------------------------|----------------------------|------------------------------------------|---------------------------|-----------------------------------------|
| isotridecanol, ethoxylated | No data available          | No data available                        | No data available         | No data available                       |
| methanesulphonic acid      | No data available          | No data available                        | No data available         | 19.44                                   |
| alkyl alcohol ethoxylate   | No data available          | No data available                        | No data available         | No data available                       |
| ethanol                    | No data available          | No data available                        | No data available         | No data available                       |
| salicylic acid             | No data available          | No data available                        | No data available         | 2                                       |

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) |
|----------------------------|----------------------------|------------------------------------------|---------------------------|-----------------------------------------|
| isotridecanol, ethoxylated | No data available          | No data available                        | No data available         | No data available                       |
| methanesulphonic acid      | No data available          | No data available                        | No data available         | 8.33                                    |
| alkyl alcohol ethoxylate   | No data available          | No data available                        | No data available         | No data available                       |
| ethanol                    | No data available          | No data available                        | No data available         | No data available                       |
| salicylic acid             | No data available          | No data available                        | No data available         | 1                                       |

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

| Ingredient(s)              | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|----------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| isotridecanol, ethoxylated | No data available          | No data available             | No data available         | No data available            |
| methanesulphonic acid      | No data available          | No data available             | 2.89                      | 6.76                         |
| alkyl alcohol ethoxylate   | No data available          | No data available             | No data available         | No data available            |
| ethanol                    | No data available          | No data available             | No data available         | No data available            |

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|                |                   |                   |                   |    |
|----------------|-------------------|-------------------|-------------------|----|
| salicylic acid | No data available | No data available | No data available | 16 |
|----------------|-------------------|-------------------|-------------------|----|

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 |
|----------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| isotridecanol, ethoxylated | No data available          | No data available             | No data available         | No data available            |
| methanesulphonic acid      | No data available          | 1.44                          | 1.73                      | 1.44                         |
| alkyl alcohol ethoxylate   | No data available          | No data available             | No data available         | No data available            |
| ethanol                    | No data available          | No data available             | No data available         | No data available            |
| salicylic acid             | No data available          | No data available             | 0.2                       | 4                            |

## 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) |
|----------------------------|-----------------------------|------------------------------|---------------------|-------------------------------|
| isotridecanol, ethoxylated | No data available           | No data available            | No data available   | No data available             |
| methanesulphonic acid      | 0.012                       | 0.0012                       | 0.12                | 100                           |
| alkyl alcohol ethoxylate   | No data available           | No data available            | No data available   | No data available             |
| ethanol                    | No data available           | No data available            | No data available   | No data available             |
| salicylic acid             | 0.2                         | 0.02                         | 1                   | 162                           |

Environmental exposure - PNEC, continued

| Ingredient(s)              | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg)      | Air (mg/m <sup>3</sup> ) |
|----------------------------|------------------------------|--------------------------|-------------------|--------------------------|
| isotridecanol, ethoxylated | No data available            | No data available        | No data available | No data available        |
| methanesulphonic acid      | 0.0251                       | No data available        | 0.00183           | 0.12                     |
| alkyl alcohol ethoxylate   | No data available            | No data available        | No data available | No data available        |
| ethanol                    | No data available            | No data available        | No data available | No data available        |
| salicylic acid             | 1.42                         | 0.142                    | 1.66              | No data available        |

## 8.2 Exposure controls

## General health and safety measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Take off immediately all contaminated clothing. Wash hands before breaks and at the end of workday. Avoid contact with skin and eyes.

The following information applies for the uses indicated in subsection 1.2.

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:** If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required.

**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel.

## Personal protective equipment

## Eye / face protection:

Safety glasses or goggles (EN 166).

## Hand protection:

Chemical-resistant protective gloves (EN 374).

Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier.

Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

Suggested gloves for prolonged contact:

Material: butyl rubber

Penetration time:  $\geq$  480 min

Material thickness:  $\geq$  0.7 mm

Suggested gloves for protection against splashes:

Material: nitrile rubber

Penetration time:  $\geq$  30 min

Material thickness:  $\geq$  0.4 mm

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

**Body protection:** Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur.

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

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

Recommended safety measures for handling the diluted product:

**Recommended maximum concentration (%):** 8

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

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**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, Red

**Odour:** Slightly perfumed

**Odour threshold:** Not applicable

**pH:** < 2 (neat)

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

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

Substance data, boiling point

| Ingredient(s)              | Value (°C)        | Method           | Atmospheric pressure (hPa) |
|----------------------------|-------------------|------------------|----------------------------|
| isotridecanol, ethoxylated | No data available |                  |                            |
| methanesulphonic acid      | 167               | Method not given |                            |
| alkyl alcohol ethoxylate   | > 200             | Method not given | 1013                       |
| ethanol                    | 78.4              | Method not given |                            |
| salicylic acid             | 256               | Method not given | 1013                       |

#### Method / remark

**Flash point (°C):** ≈ 53

**Sustained combustion:** This product with a flashpoint between 21°C and 60°C does not support combustion

**Evaporation rate:** Not determined

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

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

closed cup

UN Manual of Tests and Criteria, section 32, L.2

Substance data, flammability or explosive limits, if available:

| Ingredient(s)  | Lower limit (% vol) | Upper limit (% vol) |
|----------------|---------------------|---------------------|
| salicylic acid | 1.1                 | No data available   |

#### Method / remark

**Vapour pressure:** Not determined

Substance data, vapour pressure

| Ingredient(s)              | Value (Pa)        | Method           | Temperature (°C) |
|----------------------------|-------------------|------------------|------------------|
| isotridecanol, ethoxylated | No data available |                  |                  |
| methanesulphonic acid      | 0.0475            | Method not given | 20               |
| alkyl alcohol ethoxylate   | < 10              | Method not given | 20               |
| ethanol                    | 5800              | Method not given |                  |
| salicylic acid             | 0.02              | Method not given | 25               |

#### Method / remark

**Vapour density:** Not determined

**Relative density:** 1.04 g/cm<sup>3</sup> (20°C)

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

Substance data, solubility in water

| Ingredient(s)              | Value (g/l)       | Method           | Temperature (°C) |
|----------------------------|-------------------|------------------|------------------|
| isotridecanol, ethoxylated | Soluble           | Method not given | 20               |
| methanesulphonic acid      | Soluble           |                  |                  |
| alkyl alcohol ethoxylate   | Soluble           | Method not given | 15               |
| ethanol                    | No data available |                  |                  |
| salicylic acid             | 2                 | Method not given | 20               |

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

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## Method / remark

**Autoignition temperature:** Not determined  
**Decomposition temperature:** Not determined  
**Viscosity:** Not determined  
**Explosive properties:** Not explosive.  
**Oxidising properties:** Not oxidising.

**9.2 Other information**

**Surface tension (N/m):** Not determined  
**Corrosion to metals**  
**(according to IMDG/ADR regulation):** Not determined

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**

Keep away from products containing chlorine-based bleaching agents or sulphites. Reacts with alkali and metals.

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Mixtures**

No test data is available on the mixture

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) |
|----------------------------|------------------|---------------|---------|------------------------|-------------------|
| isotridecanol, ethoxylated | LD <sub>50</sub> | > 2000        | Rat     | OECD 423 (EU B.1 tris) |                   |
| methanesulphonic acid      | LD <sub>50</sub> | 649           | Rat     | OECD 401 (EU B.1)      |                   |
| alkyl alcohol ethoxylate   | LD <sub>50</sub> | 500 - 2000    | Rat     | Method not given       |                   |
| ethanol                    | LD <sub>50</sub> | 5000          | Rat     | OECD 401 (EU B.1)      |                   |
| salicylic acid             | LD <sub>50</sub> | 891           | Rat     | Method not given       |                   |

## Acute dermal toxicity

| Ingredient(s)              | Endpoint         | Value (mg/kg)     | Species | Method            | Exposure time (h) |
|----------------------------|------------------|-------------------|---------|-------------------|-------------------|
| isotridecanol, ethoxylated |                  | No data available |         |                   |                   |
| methanesulphonic acid      | LD <sub>0</sub>  | > 1000            | Rabbit  | OECD 402 (EU B.3) |                   |
| alkyl alcohol ethoxylate   | LD <sub>50</sub> | > 2000            | Rat     | Method not given  |                   |
| ethanol                    | LD <sub>50</sub> | > 10000           | Rabbit  | OECD 402 (EU B.3) |                   |
| salicylic acid             | LD <sub>50</sub> | > 2000            | Rat     | Method not given  |                   |

## Acute inhalative toxicity

| Ingredient(s)              | Endpoint         | Value (mg/l)      | Species | Method             | Exposure time (h) |
|----------------------------|------------------|-------------------|---------|--------------------|-------------------|
| isotridecanol, ethoxylated |                  | No data available |         |                    |                   |
| methanesulphonic acid      | LC <sub>50</sub> | 1.3               | Rat     | Method not given   |                   |
| alkyl alcohol ethoxylate   |                  | No data available |         |                    |                   |
| ethanol                    | LC <sub>50</sub> | > 1800            | Rat     | Non guideline test | 4                 |
| salicylic acid             |                  | No data available |         |                    |                   |

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**Irritation and corrosivity**

## Skin irritation and corrosivity

| Ingredient(s)              | Result            | Species | Method            | Exposure time |
|----------------------------|-------------------|---------|-------------------|---------------|
| isotridecanol, ethoxylated | Not irritant      | Rabbit  | OECD 404 (EU B.4) |               |
| methanesulphonic acid      | Corrosive         |         |                   | 1 hour(s)     |
| alkyl alcohol ethoxylate   | Irritant          | Rabbit  | Method not given  |               |
| ethanol                    | No data available |         |                   |               |
| salicylic acid             | Not irritant      | Rabbit  | Method not given  | 24 hour(s)    |

## Eye irritation and corrosivity

| Ingredient(s)              | Result            | Species | Method            | Exposure time |
|----------------------------|-------------------|---------|-------------------|---------------|
| isotridecanol, ethoxylated | Severe damage     | Rabbit  | OECD 405 (EU B.5) |               |
| methanesulphonic acid      | Severe damage     | Rabbit  | OECD 405 (EU B.5) |               |
| alkyl alcohol ethoxylate   | Irritant          | Rabbit  | Method not given  |               |
| ethanol                    | No data available |         |                   |               |
| salicylic acid             | Severe damage     | Rabbit  | Method not given  |               |

## Respiratory tract irritation and corrosivity

| Ingredient(s)              | Result            | Species | Method           | Exposure time |
|----------------------------|-------------------|---------|------------------|---------------|
| isotridecanol, ethoxylated | No data available |         |                  |               |
| methanesulphonic acid      | No data available |         |                  |               |
| alkyl alcohol ethoxylate   | No data available |         |                  |               |
| ethanol                    | No data available |         |                  |               |
| salicylic acid             | No data available |         | Method not given |               |

**Sensitisation**

## Sensitisation by skin contact

| Ingredient(s)              | Result            | Species    | Method                           | Exposure time (h) |
|----------------------------|-------------------|------------|----------------------------------|-------------------|
| isotridecanol, ethoxylated | No data available |            |                                  |                   |
| methanesulphonic acid      | Not sensitising   | Guinea pig | OECD 406 (EU B.6) / Buehler test |                   |
| alkyl alcohol ethoxylate   | No data available |            |                                  |                   |
| ethanol                    | No data available |            |                                  |                   |
| salicylic acid             | Not sensitising   | Mouse      | Method not given                 |                   |

## Sensitisation by inhalation

| Ingredient(s)              | Result            | Species | Method | Exposure time |
|----------------------------|-------------------|---------|--------|---------------|
| isotridecanol, ethoxylated | No data available |         |        |               |
| methanesulphonic acid      | No data available |         |        |               |
| alkyl alcohol ethoxylate   | No data available |         |        |               |
| ethanol                    | No data available |         |        |               |
| salicylic acid             | No data available |         |        |               |

**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 |
|----------------------------|----------|--------------------|---------|------------------|----------------------|--------------------------------------|
| isotridecanol, ethoxylated |          | No data available  |         |                  |                      |                                      |
| methanesulphonic acid      |          | No data available  |         |                  |                      |                                      |
| alkyl alcohol ethoxylate   |          | No data available  |         |                  |                      |                                      |
| ethanol                    |          | No data available  |         |                  |                      |                                      |
| salicylic acid             | NOAEL    | 45.4               | Rat     | Method not given | other                |                                      |

## Sub-chronic dermal toxicity

| Ingredient(s)              | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|----------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| isotridecanol, ethoxylated |          | No data available  |         |        |                      |                                      |
| methanesulphonic acid      |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate   |          | No data available  |         |        |                      |                                      |
| ethanol                    |          | No data available  |         |        |                      |                                      |
| salicylic acid             |          | No data available  |         |        |                      |                                      |

## Sub-chronic inhalation toxicity

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| Ingredient(s)              | Endpoint | Value (mg/kg bw/d) | Species | Method           | Exposure time (days) | Specific effects and organs affected |
|----------------------------|----------|--------------------|---------|------------------|----------------------|--------------------------------------|
| isotridecanol, ethoxylated |          | No data available  |         |                  |                      |                                      |
| methanesulphonic acid      | NOAEL    | 0.026              | Rat     | Method not given | 30                   |                                      |
| alkyl alcohol ethoxylate   |          | No data available  |         |                  |                      |                                      |
| ethanol                    |          | No data available  |         |                  |                      |                                      |
| salicylic acid             |          | 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 |
|----------------------------|----------------|----------|--------------------|---------|--------|---------------|--------------------------------------|--------|
| isotridecanol, ethoxylated |                |          | No data available  |         |        |               |                                      |        |
| methanesulphonic acid      |                |          | No data available  |         |        |               |                                      |        |
| alkyl alcohol ethoxylate   |                |          | No data available  |         |        |               |                                      |        |
| ethanol                    |                |          | No data available  |         |        |               |                                      |        |
| salicylic acid             |                |          | No data available  |         |        |               |                                      |        |

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

Mixture data:

Based on available data, the classification criteria are not met.

Substance data, where relevant and available:

## Carcinogenicity

| Ingredient(s)              | Effect                                                 |
|----------------------------|--------------------------------------------------------|
| isotridecanol, ethoxylated | No data available                                      |
| methanesulphonic acid      | No data available                                      |
| alkyl alcohol ethoxylate   | No data available                                      |
| ethanol                    | No data available                                      |
| salicylic acid             | No evidence for carcinogenicity, negative test results |

## Mutagenicity

| Ingredient(s)              | Result (in-vitro)                                   | Method (in-vitro)     | Result (in-vivo)                                    | Method (in-vivo)   |
|----------------------------|-----------------------------------------------------|-----------------------|-----------------------------------------------------|--------------------|
| isotridecanol, ethoxylated | No data available                                   |                       | No data available                                   |                    |
| methanesulphonic acid      | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13) | No evidence for mutagenicity, negative test results | OECD 474 (EU B.12) |
| alkyl alcohol ethoxylate   | No data available                                   |                       | No data available                                   |                    |
| ethanol                    | No data available                                   |                       | No data available                                   |                    |
| salicylic acid             | No evidence for mutagenicity, negative test results | Method not given      | No evidence for mutagenicity, negative test results | Method not given   |

## Toxicity for reproduction

| Ingredient(s)              | Endpoint | Specific effect                           | Value (mg/kg bw/d) | Species | Method                                  | Exposure time | Remarks and other effects reported    |
|----------------------------|----------|-------------------------------------------|--------------------|---------|-----------------------------------------|---------------|---------------------------------------|
| isotridecanol, ethoxylated |          |                                           | No data available  |         |                                         |               |                                       |
| methanesulphonic acid      | NOAEL    | Impaired fertility Developmental toxicity | >= 400             | Rat     | OECD 414 (EU B.31), oral OECD 421, oral |               | No evidence for reproductive toxicity |
| alkyl alcohol ethoxylate   |          |                                           | No data available  |         |                                         |               |                                       |
| ethanol                    |          |                                           | No data available  |         |                                         |               |                                       |
| salicylic acid             | NOAEL    | Developmental toxicity                    | 50                 | Rat     | Not known                               |               | No evidence for reproductive toxicity |

## 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

Mixtures

No test data is available on the mixture.

Substance data, where relevant and available, are listed below

## Taski Sani 4 in 1 J-Flex

## Aquatic short-term toxicity

Aquatic short-term toxicity - fish

| Ingredient(s)              | Endpoint         | Value (mg/l) | Species             | Method           | Exposure time (h) |
|----------------------------|------------------|--------------|---------------------|------------------|-------------------|
| isotridecanol, ethoxylated | LC <sub>50</sub> | 10 - 100     | Leuciscus idus      | Method not given | 96                |
| methanesulphonic acid      | LC <sub>50</sub> | 73           | Oncorhynchus mykiss | OECD 203         | 96                |
| alkyl alcohol ethoxylate   | LC <sub>50</sub> | > 100        | Brachydanio rerio   | Method not given | 96                |
| ethanol                    | LC <sub>50</sub> | 8150         | Alburnus alburnus   | Method not given | 96                |
| salicylic acid             | LC <sub>50</sub> | 90           | Leuciscus idus      | Method not given |                   |

Aquatic short-term toxicity - crustacea

| Ingredient(s)              | Endpoint         | Value (mg/l) | Species              | Method           | Exposure time (h) |
|----------------------------|------------------|--------------|----------------------|------------------|-------------------|
| isotridecanol, ethoxylated | EC <sub>50</sub> | 10 - 100     | Not specified        | Method not given | 48                |
| methanesulphonic acid      | EC <sub>50</sub> | 10 - 100     | Daphnia magna Straus | Method not given | 48                |
| alkyl alcohol ethoxylate   | EC <sub>50</sub> | > 100        | Daphnia magna Straus | Method not given | 48                |
| ethanol                    | EC <sub>50</sub> | 9268 - 14221 | Daphnia magna Straus | Method not given | 48                |
| salicylic acid             | EC <sub>50</sub> | 105          | Daphnia magna Straus | Method not given | 24                |

Aquatic short-term toxicity - algae

| Ingredient(s)              | Endpoint         | Value (mg/l) | Species                         | Method           | Exposure time (h) |
|----------------------------|------------------|--------------|---------------------------------|------------------|-------------------|
| isotridecanol, ethoxylated | EC <sub>50</sub> | 10 - 100     | Not specified                   | Method not given | 72                |
| methanesulphonic acid      | EC <sub>50</sub> | 12 - 24      | Pseudokirchneriella subcapitata | OECD 201         | 72                |
| alkyl alcohol ethoxylate   | EC <sub>50</sub> | > 100        | Desmodesmus subspicatus         | Method not given | 72                |
| ethanol                    | EC <sub>0</sub>  | 5000         | Scenedesmus quadricauda         | Method not given | 168               |
| salicylic acid             | EC <sub>50</sub> | > 100        | Desmodesmus subspicatus         | Method not given | 72                |

Aquatic short-term toxicity - marine species

| Ingredient(s)              | Endpoint | Value (mg/l)      | Species | Method | Exposure time (days) |
|----------------------------|----------|-------------------|---------|--------|----------------------|
| isotridecanol, ethoxylated |          | No data available |         |        |                      |
| methanesulphonic acid      |          | No data available |         |        |                      |
| alkyl alcohol ethoxylate   |          | No data available |         |        |                      |
| ethanol                    |          | No data available |         |        |                      |
| salicylic acid             |          | No data available |         |        |                      |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s)              | Endpoint         | Value (mg/l)      | Inoculum           | Method                              | Exposure time |
|----------------------------|------------------|-------------------|--------------------|-------------------------------------|---------------|
| isotridecanol, ethoxylated | EC <sub>10</sub> | > 10000           | Bacteria           | DIN 38412 / Part 8                  | 17 hour(s)    |
| methanesulphonic acid      | EC <sub>20</sub> | > 1000            | Activated sludge   | DIN EN ISO 8192-OECD 209-88/302/EEC | 0.5 hour(s)   |
| alkyl alcohol ethoxylate   | EC <sub>50</sub> | > 1000            |                    | Method not given                    |               |
| ethanol                    | EC <sub>0</sub>  | 6500              | Pseudomonas putida | Method not given                    | 16 hour(s)    |
| salicylic acid             |                  | No data available |                    |                                     |               |

## Aquatic long-term toxicity

Aquatic long-term toxicity - fish

| Ingredient(s)              | Endpoint | Value (mg/l)      | Species | Method | Exposure time | Effects observed |
|----------------------------|----------|-------------------|---------|--------|---------------|------------------|
| isotridecanol, ethoxylated |          | No data available |         |        |               |                  |
| methanesulphonic acid      |          | No data available |         |        |               |                  |
| alkyl alcohol ethoxylate   |          | No data available |         |        |               |                  |
| ethanol                    |          | No data available |         |        |               |                  |

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|                |  |                   |  |  |  |  |
|----------------|--|-------------------|--|--|--|--|
| salicylic acid |  | No data available |  |  |  |  |
|----------------|--|-------------------|--|--|--|--|

## Aquatic long-term toxicity - crustacea

| Ingredient(s)              | Endpoint | Value (mg/l)      | Species       | Method           | Exposure time | Effects observed |
|----------------------------|----------|-------------------|---------------|------------------|---------------|------------------|
| isotridecanol, ethoxylated |          | No data available |               |                  |               |                  |
| methanesulphonic acid      |          | No data available |               |                  |               |                  |
| alkyl alcohol ethoxylate   |          | No data available |               |                  |               |                  |
| ethanol                    |          | No data available |               |                  |               |                  |
| salicylic acid             | NOEC     | 10                | Daphnia magna | Method not given | 21 day(s)     |                  |

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

| Ingredient(s)              | Endpoint | Value (mg/kg dw sediment) | Species | Method | Exposure time (days) | Effects observed |
|----------------------------|----------|---------------------------|---------|--------|----------------------|------------------|
| isotridecanol, ethoxylated |          | No data available         |         |        |                      |                  |
| methanesulphonic acid      |          | No data available         |         |        |                      |                  |
| alkyl alcohol ethoxylate   |          | No data available         |         |        |                      |                  |
| ethanol                    |          | No data available         |         |        |                      |                  |
| salicylic acid             |          | No data available         |         |        |                      |                  |

## Terrestrial toxicity

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

Terrestrial toxicity - plants, if available:

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:

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            |
|----------------------------|----------|----------------------------|---------------------|------------------|-----------------------|
| isotridecanol, ethoxylated |          | CO <sub>2</sub> production | > 60 % in 28 day(s) | OECD 301B        | Readily biodegradable |
| methanesulphonic acid      |          | COD removal                | 100 % in 28 day(s)  | OECD 301A        | Readily biodegradable |
| alkyl alcohol ethoxylate   |          | CO <sub>2</sub> production | > 60% in 28 day(s)  | OECD 301B        | Readily biodegradable |
| ethanol                    |          |                            |                     |                  | No data available     |
| salicylic acid             |          |                            | 100% in 14 day(s)   | Method not given | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

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.

## 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log K<sub>ow</sub>)

| Ingredient(s)              | Value             | Method | Evaluation                  | Remark |
|----------------------------|-------------------|--------|-----------------------------|--------|
| isotridecanol, ethoxylated | No data available |        | No bioaccumulation expected |        |
| methanesulphonic acid      | -2.83             |        | No bioaccumulation expected |        |
| alkyl alcohol ethoxylate   | No data available |        | No bioaccumulation expected |        |
| ethanol                    | No data available |        |                             |        |

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|                |     |                  |                             |  |
|----------------|-----|------------------|-----------------------------|--|
| salicylic acid | 2.2 | Method not given | No bioaccumulation expected |  |
|----------------|-----|------------------|-----------------------------|--|

## Bioconcentration factor (BCF)

| Ingredient(s)              | Value             | Species | Method | Evaluation | Remark |
|----------------------------|-------------------|---------|--------|------------|--------|
| isotridecanol, ethoxylated | No data available |         |        |            |        |
| methanesulphonic acid      | No data available |         |        |            |        |
| alkyl alcohol ethoxylate   | No data available |         |        |            |        |
| ethanol                    | No data available |         |        |            |        |
| salicylic acid             | 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                           |
|----------------------------|--------------------------------------------|--------------------------------------------------|-------------------|--------------------|--------------------------------------|
| isotridecanol, ethoxylated | No data available                          |                                                  |                   |                    | Potential for adsorption to soil     |
| methanesulphonic acid      | 0                                          |                                                  | Model calculation |                    | Mobile in soil                       |
| alkyl alcohol ethoxylate   | No data available                          |                                                  |                   |                    | Low potential for adsorption to soil |
| ethanol                    | No data available                          |                                                  |                   |                    |                                      |
| salicylic acid             | No data available                          |                                                  |                   |                    | Mobile 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

## 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.

20 01 14\* - acids.

European Waste Catalogue:

Empty packaging

Recommendation:

Dispose of observing national or local regulations.

Suitable cleaning agents:

Water, if necessary with cleaning agent.

## SECTION 14: Transport information



## ADR, RID, ADN, IMO/IMDG, ICAO/IATA

14.1 UN number: 3265

14.2 UN proper shipping name:

Corrosive liquid, acidic, organic, n.o.s. ( methanesulphonic acid )

14.3 Transport hazard class(es):

Class: 8

Label(s): 8

14.4 Packing group: III

14.5 Environmental hazards:

14.6 Special precautions for user: None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: The product is not transported in bulk tankers.

Other relevant information:

ADR

Classification code: C3

Tunnel restriction code: E

Hazard identification number: 80

IMO/IMDG

EmS: F-A, S-B

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

## SECTION 15: Regulatory information

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

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

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

non-ionic surfactants 15 - 30%  
perfumes, disinfectants, Benzyl Salicylate, Hexyl Cinnamal, Butylphenyl Methylpropional,  
Limonene, Alpha-Isomethyl Ionone

**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*

**MSDS code:** MS1000330

**Version:** 01

**Revision:** 2014-02-06

**Reason for revision:**

Overall design adjusted in accordance with Regulation (EC) No 1907/2006, Annex II

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

- R41 - Risk of serious damage to eyes.
- R22 - Harmful if swallowed.
- R34 - Causes burns.
- R10 - Flammable.
- R35 - Causes severe burns.
- R36/38 - Irritating to eyes and skin.
- H225 - Highly flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative

**End of Safety Data Sheet**