



Suma Multi Conc D2 Conc

Revision: 2017-12-24

Version: 01.1

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

1.1 Product identifier

Trade name: Suma Multi Conc D2 Conc

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

Identified uses:

For professional use only.

AISE-P303 - Kitchen cleaner. Manual process

AISE-P304 - Kitchen cleaner. Spray and wipe 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 Ltd

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: customerservice.uk@diversey.com

1.4 Emergency telephone number

For medical or environmental emergency only:
call 0800 052 0185

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin Corr. 1B (H314)

Acute Tox. 4 (H302)

STOT SE 3 (H335)

2.2 Label elements



Signal word: Danger.

Contains alkyl alcohol ethoxylate (Trideceth-8), isotridecanol, ethoxylated (Trideceth-12), 2-aminoethanol (Ethanolamine).

Hazard statements:

H314 - Causes severe skin burns and eye damage.

H302 - Harmful if swallowed.

H335 - May cause respiratory irritation.

Precautionary statements:

P260 - Do not breathe vapours.

P280 - Wear protective gloves, protective clothing and eye or face protection.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTRE, doctor or physician.

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 |
|---|-----------|------------|------------------|---|-------|----------------|
| alkyl alcohol ethoxylate | Polymer* | 69011-36-5 | [4] | Acute Tox. 4 (H302) Eye Dam. 1 (H318) | | 20-30 |
| isotridecanol, ethoxylated | Polymer* | 69011-36-5 | [4] | Acute Tox. 4 (H302) Eye Dam. 1 (H318) | | 3-10 |
| 2-aminoethanol | 205-483-3 | 141-43-5 | 01-2119486455-28 | Skin Corr. 1B (H314) Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) STOT SE 3 (H335) Aquatic Chronic 3 (H412) | | 3-10 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | 287-335-8 | 85480-55-3 | [1] | Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) | | 3-10 |
| 1-methoxy-2-propanol | 203-539-1 | 107-98-2 | 01-2119457435-35 | Flam. Liq. 3 (H226) STOT SE 3 (H336) | | 1-3 |
| propan-2-ol | 200-661-7 | 67-63-0 | 01-2119457558-25 | Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319) | | 1-3 |

* Polymer.

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

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

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

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

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

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

SECTION 4: First aid measures**4.1 Description of first aid measures****General Information:**

Symptoms of intoxication may even occur after several hours. It is recommended to continue medical observation for at least 48 hours after the incident. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. Provide fresh air. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Call a POISON CENTRE, doctor or physician if you feel unwell.

Inhalation:**Skin contact:**

Wash skin with plenty of lukewarm, gently flowing water for at least 30 minutes. Take off immediately all contaminated clothing and wash it before re-use. Immediately call a POISON CENTRE, doctor or physician.

Eye contact:

Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician.

Ingestion:

Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Keep at rest. Immediately call a POISON CENTRE, doctor or physician.

Self-protection of first aider:

Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed**Inhalation:**

May cause respiratory irritation.

Skin contact:

Causes severe burns.

Eye contact:

Causes severe or permanent damage.

Ingestion:

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

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

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6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Do not breathe dust or vapour. 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 with liquid-binding material (sand, diatomite, universal binders, sawdust). Ensure adequate ventilation.

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Measures to prevent fire and explosions:**

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Use personal protective equipment as required. Avoid contact with skin and eyes. Do not breathe vapours. 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) | UK - Long term value(s) | UK - Short term value(s) |
|----------------------|----------------------------------|-----------------------------------|
| 2-aminoethanol | 1 ppm 2.5 mg/m ³ | 3 ppm 7.6 mg/m ³ |
| 1-methoxy-2-propanol | 100 ppm 375 mg/m ³ | 150 ppm 560 mg/m ³ |
| propan-2-ol | 400 ppm 999 mg/m ³ | 500 ppm 1250 mg/m ³ |

Biological limit values, if available:

Recommended monitoring procedures, if available:

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

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

DNEL oral exposure - Consumer (mg/kg bw)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---|----------------------------|-------------------------------|---------------------------|------------------------------|
| alkyl alcohol ethoxylate | - | - | - | - |
| isotridecanol, ethoxylated | [-] | [-] | [-] | [-] |
| 2-aminoethanol | - | - | - | 3.75 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | No data available | No data available | No data available |
| 1-methoxy-2-propanol | - | - | - | 3.3 |
| propan-2-ol | - | - | - | 26 |

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) |
|----------------------------|----------------------------|--|---------------------------|---|
| alkyl alcohol ethoxylate | - | - | - | - |
| isotridecanol, ethoxylated | - | [-] | - | [-] |
| 2-aminoethanol | No data available | - | No data available | 1 |

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| | | | | |
|---|-------------------|-------------------|-------------------|-------------------|
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | No data available | No data available | No data available |
| 1-methoxy-2-propanol | No data available | - | No data available | 50.6 |
| propan-2-ol | No data available | - | No data available | 888 |

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) |
|---|----------------------------|--|---------------------------|---|
| alkyl alcohol ethoxylate | - | - | - | - |
| isotridecanol, ethoxylated | - | [-] | - | [-] |
| 2-aminoethanol | No data available | - | No data available | 0.24 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | No data available | No data available | No data available |
| 1-methoxy-2-propanol | No data available | - | No data available | 18.1 |
| propan-2-ol | No data available | - | - | 319 |

DNEL inhalatory exposure - Worker (mg/m³)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---|----------------------------|-------------------------------|---------------------------|------------------------------|
| alkyl alcohol ethoxylate | - | - | - | No data available |
| isotridecanol, ethoxylated | - | - | - | - |
| 2-aminoethanol | - | - | 3.3 | 3.3 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | No data available | No data available | No data available |
| 1-methoxy-2-propanol | 553.5 | - | - | 369 |
| propan-2-ol | - | - | - | 500 |

DNEL inhalatory exposure - Consumer (mg/m³)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---|----------------------------|-------------------------------|---------------------------|------------------------------|
| alkyl alcohol ethoxylate | No data available | No data available | - | - |
| isotridecanol, ethoxylated | - | - | - | - |
| 2-aminoethanol | - | - | 2 | 2 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | No data available | No data available | No data available |
| 1-methoxy-2-propanol | - | - | - | 43.9 |
| propan-2-ol | - | - | - | 89 |

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) |
|---|-----------------------------|------------------------------|---------------------|-------------------------------|
| alkyl alcohol ethoxylate | - | - | - | - |
| isotridecanol, ethoxylated | - | - | - | - |
| 2-aminoethanol | 0.085 | 0.0085 | 0.025 | 100 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | No data available | No data available | No data available |
| 1-methoxy-2-propanol | 10 | 1 | 100 | 100 |
| propan-2-ol | 140.9 | 140.9 | 140.9 | 2251 |

Environmental exposure - PNEC, continued

| Ingredient(s) | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg) | Air (mg/m ³) |
|---|------------------------------|--------------------------|-------------------|--------------------------|
| alkyl alcohol ethoxylate | - | - | - | - |
| isotridecanol, ethoxylated | - | - | - | - |
| 2-aminoethanol | 0.425 | 0.0425 | 0.035 | 0.025 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | No data available | No data available | No data available |
| 1-methoxy-2-propanol | 52.3 | 5.2 | 5.49 | 100 |
| propan-2-ol | 552 | 552 | 28 | - |

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:

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

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|---|--|
| Eye / face protection: | Safety glasses or goggles (EN 166). The use of a full-face shield or other full-face protection is strongly recommended when handling open containers or if splashes may occur. |
| 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 (EN 14605). |
| Respiratory protection: | Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided. |
| 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 (%): 2.66

| | |
|---|--|
| Appropriate engineering controls: | Provide a good standard of general ventilation. |
| Appropriate organisational controls: | No special requirements under normal use conditions. |

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: | 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, Dark, Blue | |
| Odour: Slightly perfumed | |
| Odour threshold: Not applicable | |
| pH: \approx 11 (neat) | |
| 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) |
|---|-------------------|------------------|----------------------------|
| alkyl alcohol ethoxylate | > 200 | Method not given | |
| isotridecanol, ethoxylated | No data available | | |
| 2-aminoethanol | 169-171 | Method not given | 1013 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | | |
| 1-methoxy-2-propanol | 117-125 | Method not given | 1013 |
| propan-2-ol | 82 | Method not given | 1013 |

Flash point (°C): < 60

Sustained combustion: The product does not sustain combustion
(UN Manual of Tests and Criteria, section 32, L.2)

Evaporation rate: Not determined

Flammability (solid, gas): Not applicable to liquids

Upper/lower flammability limit (%): Not determined

Substance data, flammability or explosive limits, if available:

| Ingredient(s) | Lower limit (% vol) | Upper limit (% vol) |
|----------------------------|---------------------|---------------------|
| isotridecanol, ethoxylated | [-] | [-] |
| 2-aminoethanol | 3.4 | 27 |
| 1-methoxy-2-propanol | 1.48 | 13.7 |
| propan-2-ol | 2 | 13 |

Method / remark**Vapour pressure:** Not determined

Substance data, vapour pressure

| Ingredient(s) | Value (Pa) | Method | Temperature (°C) |
|---|-------------------|------------------|------------------|
| alkyl alcohol ethoxylate | Negligible | Method not given | 20-25 |
| isotridecanol, ethoxylated | < 10 | | 20 |
| 2-aminoethanol | 50 | Method not given | 20 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | | |
| 1-methoxy-2-propanol | 1170 | Method not given | 20 |
| propan-2-ol | 4200 | Method not given | 20 |

Method / remark**Vapour density:** Not determined**Relative density:** ≈ 1.05 (20 °C)**Solubility in / Miscibility with Water:** Fully miscible

Substance data, solubility in water

| Ingredient(s) | Value (g/l) | Method | Temperature (°C) |
|---|-------------------|------------------|------------------|
| alkyl alcohol ethoxylate | Soluble | Method not given | 20 |
| isotridecanol, ethoxylated | Soluble | Method not given | 20 |
| 2-aminoethanol | 1000 | Method not given | 20 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | | |
| 1-methoxy-2-propanol | 2000 Soluble | Method not given | 20 |
| propan-2-ol | Soluble | Method not given | |

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

Method / remark**Autoignition temperature:** Not determined**Decomposition temperature:** Not applicable.**Viscosity:** ≈ 70 mPa.s (20 °C)**Explosive properties:** Not explosive. Vapours may form explosive mixtures with air.**Oxidising properties:** Not oxidising.**9.2 Other information****Surface tension (N/m):** Not determined

Not relevant to classification of this product

Corrosion to metals: Not corrosive

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):

ATE - Oral (mg/kg): 1100

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ATE - Dermal (mg/kg): >5000
 ATE - Inhalatory, vapours (mg/l): >50

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) |
|---|------------------|-------------------|---------|------------------------|-------------------|
| alkyl alcohol ethoxylate | LD ₅₀ | > 300 - 2000 | Rat | OECD 423 (EU B.1 tris) | |
| isotridecanol, ethoxylated | LD ₅₀ | > 300-2000 | Rat | Weight of evidence | |
| 2-aminoethanol | LD ₅₀ | 1515 | Rat | OECD 401 (EU B.1) | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | |
| 1-methoxy-2-propanol | LD ₅₀ | 4016 | Rat | Method not given | |
| propan-2-ol | LD ₅₀ | 3570 | Rat | Method not given | |

Acute dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) |
|---|------------------|-------------------|---------|--------------------|-------------------|
| alkyl alcohol ethoxylate | LD ₅₀ | > 2000 | Rabbit | Method not given | |
| isotridecanol, ethoxylated | LD ₅₀ | > 2000 | Rabbit | Weight of evidence | |
| 2-aminoethanol | LD ₅₀ | 1025 | Rabbit | Method not given | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | |
| 1-methoxy-2-propanol | LD ₅₀ | > 2000 | Rabbit | Method not given | |
| propan-2-ol | LD ₅₀ | > 2000 | Rabbit | Method not given | |

Acute inhalative toxicity

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---|------------------|-----------------------|---------|--------------------|-------------------|
| alkyl alcohol ethoxylate | | No data available | | | |
| isotridecanol, ethoxylated | | No data available | | | |
| 2-aminoethanol | | No mortality observed | Rat | Non guideline test | 6 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | |
| 1-methoxy-2-propanol | LC ₅₀ | > 25.8 (vapour) | Rat | Method not given | 6 |
| propan-2-ol | LC ₅₀ | > 25 (vapour) | Rat | OECD 403 (EU B.2) | 6 |

Irritation and corrosivity

Skin irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|-------------------|---------|-------------------|---------------|
| alkyl alcohol ethoxylate | Not irritant | Rabbit | OECD 404 (EU B.4) | |
| isotridecanol, ethoxylated | Not irritant | Rabbit | OECD 404 (EU B.4) | |
| 2-aminoethanol | Corrosive | Rabbit | OECD 404 (EU B.4) | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | | | |
| 1-methoxy-2-propanol | Not irritant | Rat | OECD 404 (EU B.4) | |
| propan-2-ol | Not irritant | Rabbit | OECD 404 (EU B.4) | |

Eye irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|---------------------------|---------|-------------------|---------------|
| alkyl alcohol ethoxylate | Severe damage | Rabbit | Method not given | |
| isotridecanol, ethoxylated | Severe damage | Rabbit | OECD 405 (EU B.5) | |
| 2-aminoethanol | Severe damage | Rabbit | OECD 405 (EU B.5) | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | | | |
| 1-methoxy-2-propanol | Not corrosive or irritant | Rabbit | OECD 405 (EU B.5) | |
| propan-2-ol | Irritant | Rabbit | OECD 405 (EU B.5) | |

Respiratory tract irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|---------------------------------|---------|------------------|---------------|
| alkyl alcohol ethoxylate | No data available | | | |
| isotridecanol, ethoxylated | No data available | | | |
| 2-aminoethanol | Irritating to respiratory tract | | Method not given | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | | | |
| 1-methoxy-2-propanol | No data available | | | |

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|-------------|-------------------|--|--|
| propan-2-ol | No data available | | |
|-------------|-------------------|--|--|

Sensitisation

Sensitisation by skin contact

| Ingredient(s) | Result | Species | Method | Exposure time (h) |
|---|-------------------|------------|----------------------------------|-------------------|
| alkyl alcohol ethoxylate | Not sensitising | Guinea pig | Method not given | |
| isotridecanol, ethoxylated | No data available | | | |
| 2-aminoethanol | Not sensitising | Guinea pig | OECD 406 (EU B.6) / GPMT | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | | | |
| 1-methoxy-2-propanol | Not sensitising | Guinea pig | Method not given | |
| propan-2-ol | Not sensitising | Guinea pig | OECD 406 (EU B.6) / Buehler test | |

Sensitisation by inhalation

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|-------------------|---------|--------|---------------|
| alkyl alcohol ethoxylate | No data available | | | |
| isotridecanol, ethoxylated | No data available | | | |
| 2-aminoethanol | No data available | | | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | | | |
| 1-methoxy-2-propanol | No data available | | | |
| propan-2-ol | 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) |
|---|---|--|---|-------------------------------------|
| alkyl alcohol ethoxylate | No evidence of genotoxicity, negative test results | Method not given | No evidence of genotoxicity, negative test results | Method not given |
| isotridecanol, ethoxylated | No evidence for mutagenicity | Method not given Weight of evidence | No evidence for mutagenicity, negative test results | Method not given Weight of evidence |
| 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) |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | | No data available | |
| 1-methoxy-2-propanol | No evidence for mutagenicity, negative test results | Method not given | No data available | |
| propan-2-ol | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13) | No data available | |

Carcinogenicity

| Ingredient(s) | Effect |
|---|--|
| alkyl alcohol ethoxylate | No evidence for carcinogenicity, weight-of-evidence |
| isotridecanol, ethoxylated | No evidence for carcinogenicity, weight-of-evidence |
| 2-aminoethanol | No evidence for carcinogenicity, weight-of-evidence |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available |
| 1-methoxy-2-propanol | No evidence for carcinogenicity, negative test results |
| propan-2-ol | 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 |
|---|----------|------------------------|--------------------|---------|--------------------------|---------------|--|
| alkyl alcohol ethoxylate | NOAEL | Teratogenic effects | > 50 | Rat | Not known | | No known significant effects or critical hazards |
| isotridecanol, ethoxylated | NOAEL | Maternal toxicity | > 250 | Rat | Weight of evidence | | Not toxic for reproduction |
| 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 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | | No data available | | | | |
| 1-methoxy-2-propanol | | | No data available | | | | No evidence for reproductive toxicity |
| propan-2-ol | | | 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 |
|--------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| alkyl alcohol ethoxylate | | No data | | | | |

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| | | | | | | |
|---|-------|-------------------|-----|--|----|--|
| | | available | | | | |
| isotridecanol, ethoxylated | | No data available | | | | |
| 2-aminoethanol | NOAEL | 300 | Rat | | 75 | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | | |
| 1-methoxy-2-propanol | | No data available | | | | |
| propan-2-ol | | No data available | | | | |

Sub-chronic dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|---|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| alkyl alcohol ethoxylate | | No data available | | | | |
| isotridecanol, ethoxylated | | No data available | | | | |
| 2-aminoethanol | | No data available | | | | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | | |
| 1-methoxy-2-propanol | | No data available | | | | |
| propan-2-ol | | 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 |
|---|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| alkyl alcohol ethoxylate | | No data available | | | | |
| isotridecanol, ethoxylated | | No data available | | | | |
| 2-aminoethanol | | No data available | | | | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | | |
| 1-methoxy-2-propanol | | No data available | | | | |
| propan-2-ol | | 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 |
|---|----------------|----------|--------------------|---------|--------------------|---------------|---|--------|
| alkyl alcohol ethoxylate | Oral | NOAEL | 50 | Rat | Method not given | 24 month(s) | Effects on organ weights | |
| isotridecanol, ethoxylated | Oral | NOAEL | 50 | Rat | Weight of evidence | 24 month(s) | Effects on body weight and food/water consumption Effects on organ weights | |
| 2-aminoethanol | | | No data available | | | | | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | | No data available | | | | | |
| 1-methoxy-2-propanol | | | No data available | | | | | |
| propan-2-ol | | | No data available | | | | | |

STOT-single exposure

| Ingredient(s) | Affected organ(s) |
|---|-------------------|
| alkyl alcohol ethoxylate | Not applicable |
| isotridecanol, ethoxylated | Not applicable |
| 2-aminoethanol | No data available |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available |
| 1-methoxy-2-propanol | No data available |
| propan-2-ol | No data available |

STOT-repeated exposure

| Ingredient(s) | Affected organ(s) |
|---|-------------------|
| alkyl alcohol ethoxylate | Not applicable |
| isotridecanol, ethoxylated | Not applicable |
| 2-aminoethanol | No data available |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available |
| 1-methoxy-2-propanol | No data available |
| propan-2-ol | 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) |
|---|------------------|-------------------|----------------------------|---|-------------------|
| alkyl alcohol ethoxylate | LC ₅₀ | 1 - 10 | <i>Cyprinus carpio</i> | OECD 203 (EU C.1) | 96 |
| isotridecanol, ethoxylated | LC ₅₀ | > 1 - 10 | <i>Cyprinus carpio</i> | OECD 203 (EU C.1) Weight of evidence | 96 |
| 2-aminoethanol | LC ₅₀ | 349 | <i>Cyprinus carpio</i> | OECD 203 (EU C.1) | 96 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | |
| 1-methoxy-2-propanol | LC ₅₀ | > 1000 | <i>Oncorhynchus mykiss</i> | Method not given | 96 |
| propan-2-ol | LC ₅₀ | > 100 | <i>Pimephales promelas</i> | Method not given | 48 |

Aquatic short-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---|------------------|-------------------|-----------------------------|------------------|-------------------|
| alkyl alcohol ethoxylate | EC ₅₀ | 1 - 10 | <i>Daphnia magna</i> Straus | OECD 202, static | 48 |
| isotridecanol, ethoxylated | EC ₅₀ | > 1 - 10 | <i>Daphnia magna</i> Straus | OECD 202, static | 48 |
| 2-aminoethanol | EC ₅₀ | 65 | <i>Daphnia magna</i> Straus | OECD 202, static | 48 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | |
| 1-methoxy-2-propanol | EC ₅₀ | 21100 - 25900 | <i>Daphnia magna</i> Straus | Method not given | 48 |
| propan-2-ol | EC ₅₀ | > 100 | <i>Daphnia magna</i> Straus | Method not given | 48 |

Aquatic short-term toxicity - algae

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---|------------------|-------------------|--|--|-------------------|
| alkyl alcohol ethoxylate | EC ₅₀ | 1 - 10 | <i>Desmodesmus subspicatus</i> | OECD 201, static | 72 |
| isotridecanol, ethoxylated | EC ₅₀ | > 1 - 10 | <i>Desmodesmus subspicatus</i> | OECD 201, static Weight of evidence | 72 |
| 2-aminoethanol | NOEC | 1 | <i>Pseudokirchneriella subcapitata</i> | OECD 201 (EU C.3) | 72 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | |
| 1-methoxy-2-propanol | EC ₅₀ | > 1000 | <i>Pseudokirchneriella subcapitata</i> | Method not given | 168 |
| propan-2-ol | EC ₅₀ | > 100 | <i>Scenedesmus quadricauda</i> | Method not given | 72 |

Aquatic short-term toxicity - marine species

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (days) |
|---|----------|-------------------|---------|--------|----------------------|
| alkyl alcohol ethoxylate | | No data available | | | - |
| isotridecanol, ethoxylated | | No data available | | | - |
| 2-aminoethanol | | No data available | | | - |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | |
| 1-methoxy-2-propanol | | No data available | | | - |
| propan-2-ol | | No data available | | | - |

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| | | | | |
|--|--|-----------|--|--|
| | | available | | |
|--|--|-----------|--|--|

Impact on sewage plants - toxicity to bacteria

| Ingredient(s) | Endpoint | Value (mg/l) | Inoculum | Method | Exposure time |
|---|------------------|-------------------|------------------|-------------------------------------|---------------|
| alkyl alcohol ethoxylate | EC ₁₀ | > 10000 | Activated sludge | DIN 38412 / Part 8 | 17 hour(s) |
| isotridecanol, ethoxylated | EC ₁₀ | > 10000 | Bacteria | DIN 38412 / Part 8 | 17 hour(s) |
| 2-aminoethanol | EC ₅₀ | > 1000 | Activated sludge | DIN EN ISO 8192-OECD 209-88/302/EEC | 3 hour(s) |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | |
| 1-methoxy-2-propanol | EC ₅₀ | 1000 | Activated sludge | Method not given | 3 hour(s) |
| propan-2-ol | EC ₅₀ | > 1000 | Activated sludge | Method not given | |

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|---|----------|-------------------|------------------------|----------|---------------|------------------|
| alkyl alcohol ethoxylate | | No data available | | | | |
| isotridecanol, ethoxylated | | No data available | | | | |
| 2-aminoethanol | NOEC | 1.2 | <i>Oryzias latipes</i> | OECD 210 | 30 day(s) | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | | |
| 1-methoxy-2-propanol | | No data available | | | | |
| propan-2-ol | | No data available | | | | |

Aquatic long-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|---|----------|-------------------|----------------------|----------|---------------|------------------|
| alkyl alcohol ethoxylate | | No data available | | | | |
| isotridecanol, ethoxylated | | No data available | | | | |
| 2-aminoethanol | NOEC | 0.85 | <i>Daphnia magna</i> | OECD 211 | 21 day(s) | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | | |
| 1-methoxy-2-propanol | | No data available | | | | |
| propan-2-ol | | 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 |
|---|----------|---------------------------|---------|--------|----------------------|------------------|
| alkyl alcohol ethoxylate | | No data available | | | - | |
| isotridecanol, ethoxylated | | No data available | | | - | |
| 2-aminoethanol | | No data available | | | - | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | | No data available | | | | |
| 1-methoxy-2-propanol | | No data available | | | - | |
| propan-2-ol | | No data available | | | - | |

Terrestrial toxicity

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

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|----------------------------|----------|-----------------------|-----------------------|--------|----------------------|------------------|
| alkyl alcohol ethoxylate | NOEC | 220 | <i>Eisenia fetida</i> | | - | |
| isotridecanol, ethoxylated | | No data available | | | - | |
| 2-aminoethanol | | No data available | | | - | |
| 1-methoxy-2-propanol | | No data available | | | - | |
| propan-2-ol | | No data available | | | - | |

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Terrestrial toxicity - plants, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|----------------------------|----------|-----------------------|-------------------------|----------|----------------------|------------------|
| alkyl alcohol ethoxylate | NOEC | 10 | <i>Lepidium sativum</i> | OECD 208 | - | |
| isotridecanol, ethoxylated | NOEC | 10 | <i>Lepidium sativum</i> | OECD 208 | - | |
| 2-aminoethanol | | No data available | | | - | |
| 1-methoxy-2-propanol | | No data available | | | - | |
| propan-2-ol | | No data available | | | - | |

Terrestrial toxicity - birds, if available:

| Ingredient(s) | Endpoint | Value | Species | Method | Exposure time (days) | Effects observed |
|----------------------------|----------|-------------------|---------|--------|----------------------|------------------|
| alkyl alcohol ethoxylate | | No data available | | | - | |
| isotridecanol, ethoxylated | | No data available | | | - | |
| 2-aminoethanol | | No data available | | | - | |
| 1-methoxy-2-propanol | | No data available | | | - | |
| propan-2-ol | | No data available | | | - | |

Terrestrial toxicity - beneficial insects, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|----------------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| alkyl alcohol ethoxylate | | No data available | | | - | |
| isotridecanol, ethoxylated | | No data available | | | - | |
| 2-aminoethanol | | No data available | | | - | |
| 1-methoxy-2-propanol | | No data available | | | - | |
| propan-2-ol | | No data available | | | - | |

Terrestrial toxicity - soil bacteria, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|----------------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| alkyl alcohol ethoxylate | | No data available | | | - | |
| isotridecanol, ethoxylated | | No data available | | | - | |
| 2-aminoethanol | | No data available | | | - | |
| 1-methoxy-2-propanol | | No data available | | | - | |
| propan-2-ol | | No data available | | | - | |

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

| Ingredient(s) | Half-life time | Method | Evaluation | Remark |
|----------------------|----------------|------------------|-------------------------|--------|
| 1-methoxy-2-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 ₅₀ | Method | Evaluation |
|---|----------|----------------------------|---------------------|-----------|-----------------------|
| alkyl alcohol ethoxylate | | CO ₂ production | > 60 % in 28 day(s) | OECD 301B | Readily biodegradable |
| isotridecanol, ethoxylated | | CO ₂ production | > 60 % in 28 day(s) | OECD 301B | Readily biodegradable |
| 2-aminoethanol | | DOC reduction | > 90 % in 21 day(s) | OECD 301A | Readily biodegradable |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., | | | | | No data available |

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| | | | | | |
|---------------------------|--|--|-------------------|-----------|-----------------------|
| compds. with ethanolamine | | | | | |
| 1-methoxy-2-propanol | | | 96 % in 28 day(s) | OECD 301E | Readily biodegradable |
| propan-2-ol | | | 95 % in 21 day(s) | OECD 301E | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

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

| Ingredient(s) | Value | Method | Evaluation | Remark |
|---|-------------------|------------------|-----------------------------------|--------|
| alkyl alcohol ethoxylate | No data available | | | |
| isotridecanol, ethoxylated | No data available | | No bioaccumulation expected | |
| 2-aminoethanol | - 1.91 | OECD 107 | No bioaccumulation expected | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | | | |
| 1-methoxy-2-propanol | 0.37 | Method not given | Low potential for bioaccumulation | |
| propan-2-ol | 0.05 | OECD 107 | No bioaccumulation expected | |

Bioconcentration factor (BCF)

| Ingredient(s) | Value | Species | Method | Evaluation | Remark |
|---|-------------------|---------|------------------|-----------------------------------|--------|
| alkyl alcohol ethoxylate | No data available | | | | |
| isotridecanol, ethoxylated | No data available | | | No bioaccumulation expected | |
| 2-aminoethanol | No data available | | | | |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | | | | |
| 1-methoxy-2-propanol | 3.2 | | Method not given | Low potential for bioaccumulation | |
| propan-2-ol | No data available | | | | |

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

| Ingredient(s) | Adsorption coefficient Log K _{oc} | Desorption coefficient Log K _{oc} (des) | Method | Soil/sediment type | Evaluation |
|---|--|--|-------------------|--------------------|---|
| alkyl alcohol ethoxylate | No data available | | | | Immobile in soil or sediment |
| isotridecanol, ethoxylated | 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 |
| benzenesulphonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine | No data available | | | | |
| 1-methoxy-2-propanol | No data available | | | | High potential for mobility in soil |
| propan-2-ol | No data available | | | | Potential for mobility in soil, soluble in water |

12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products:

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.
20 01 29* - detergents containing dangerous substances.

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

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**Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)****14.1 UN number:** 2491**14.2 UN proper shipping name:**

Ethanolamine solution

14.3 Transport hazard class(es):**Class:** 8**Label(s):** 8**14.4 Packing group:** III**14.5 Environmental hazards:****Environmentally hazardous:** No**Marine pollutant:** No**14.6 Special precautions for user:** None known.**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** The product is not transported in bulk tankers.**Other relevant information:****ADR****Classification code:** C7**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****EU regulations:**

- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No. 648/2004 - Detergents regulation

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 | > 30 % |
| anionic surfactants | 5 - 15 % |
| perfumes, Citral, Limonene, Geraniol | |

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: MS1001935**Version:** 01.1**Revision:** 2017-12-24**Reason for revision:**

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:

- H225 - Highly flammable liquid and vapour.
- H226 - Flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H312 - Harmful in contact with skin.

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- 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.
- H336 - May cause drowsiness or dizziness.
- H412 - Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

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

End of Safety Data Sheet