



A Solenis Company

Suma Bac Conc D10 Conc

Revision: 2024-05-31

Version: 05.4

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

1.1 Product identifier

Trade name: Suma Bac Conc D10 Conc

UFI: VQE3-W0HG-A001-WQSY

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

| | |
|------------------------------|--|
| Product use: | Hard surface cleaner. Surface disinfectant. for general surface disinfection for food contact surface disinfection For professional and industrial use only. |
| Uses advised against: | Uses other than those identified are not recommended. |

SWED - Sector-specific worker exposure description :

AISE_SWED_PW_4_2
AISE_SWED_PW_8b_1
AISE_SWED_IS_8b_1
AISE_SWED_PW_10_1
AISE_SWED_PW_11_1
AISE_SWED_PW_19_1
AISE_SWED_IS_7_5

1.3 Details of the supplier of the safety data sheet

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

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

Email: dublin.orders@solenis.com

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible).

National Poisons Information Centre

Tel: 01 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week)

Tel: 01 809 2566 (health care professionals).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin irritation, Category 2 (H315)

Serious eye damage, Category 1 (H318)

Acute aquatic toxicity, Category 1 (H400)

Chronic aquatic toxicity, Category 2 (H411)

2.2 Label elements



Signal word: Danger.

Contains alkyl alcohol ethoxylate (Trideceth-8), Didecyldimethyl ammonium chloride (Didecyldimonium Chloride), alkyl (C12-16) dimethylbenzyl ammonium chloride (Benzalkonium Chloride)

Hazard statements:

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H410 - Very toxic to aquatic life with long lasting effects.

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Precautionary statements:

P280 - Wear eye or face protection.

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.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

| Ingredient(s) | EC number | CAS number | REACH number | Classification | Notes | Weight percent |
|---|-----------|------------|----------------------|---|-------|----------------|
| alkyl alcohol ethoxylate | [4] | 69011-36-5 | [4] | Acute toxicity - Oral, Category 4 (H302) Serious eye damage, Category 1 (H318) | | 10-20 |
| Didecyldimethyl ammonium chloride | 230-525-2 | 7173-51-5 | [6] | Skin corrosion, Category 1B (H314) Acute toxicity - Oral, Category 4 (H302) Acute toxicity - Dermal, Category 4 (H312) Serious eye damage, Category 1 (H318) Acute aquatic toxicity, Category 1 M=10 (H400) Chronic aquatic toxicity, Category 2 (H411) | | 3-10 |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | 270-325-2 | 68424-85-1 | [6] | Skin corrosion, Category 1B (H314) Acute toxicity - Oral, Category 4 (H302) Specific target organ toxicity - Single exposure, Category 3 (H335) Serious eye damage, Category 1 (H318) Acute aquatic toxicity, Category 1 M=10 (H400) Chronic aquatic toxicity, Category 1 M=1 (H410) | | 3-10 |
| alkyl alcohol ethoxylate | [4] | 69011-36-5 | [4] | Eye irritation, Category 2 (H319) Chronic aquatic toxicity, Category 3 (H412) | | 1-3 |
| sodium carbonate | 207-838-8 | 497-19-8 | 01-211948549 8-19 | Eye irritation, Category 2 (H319) | | 1-3 |
| Propan-2-ol | 200-661-7 | 67-63-0 | 01-211945755 8-25 | Flammable liquids, Category 2 (H225) Specific target organ toxicity - Single exposure, Category 3 (H336) Eye irritation, Category 2 (H319) | | 1-3 |

Specific concentration limits

alkyl alcohol ethoxylate:

- Serious eye damage, Category 1 (H318) >= 10% > Eye irritation, Category 2 (H319) >= 1%

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

ATE, if available, are listed in section 11.

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

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

[6] Exempted: biocidal active. See Article 15(2) of Regulation (EC) No 1907/2006.

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

SECTION 4: First aid measures**4.1 Description of first aid measures****Inhalation:**

Get medical attention or advice if you feel unwell.

Skin contact:

Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.

Eye contact:

Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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. Get medical attention or advice if you feel unwell.

Self-protection of first aider:

Consider personal protective equipment as indicated in subsection 8.2.

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

No known effects or symptoms in normal use.

Skin contact:

Causes irritation.

Eye contact:

Causes severe or permanent damage.

Ingestion:

No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear eye/face protection. Repeated or prolonged contact: Wear suitable gloves.

6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

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

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

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

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 face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing. Wash contaminated clothing before reuse. Avoid contact with skin and eyes. Do not breathe spray. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. Keep from freezing. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

Seveso - Lower Tier requirements (tonnes): 100

Seveso - Upper Tier requirements (tonnes): 200

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Workplace exposure limits**

Air limit values, if available:

| Ingredient(s) | Long term value(s) | Short term value(s) |
|---------------|--------------------|---------------------|
| Propan-2-ol | 200 ppm | 400 ppm |

Biological limit values, if available:

Recommended monitoring procedures, if available:

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

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

DNEL/DMEL oral exposure - Consumer (mg/kg bw)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---|----------------------------|-------------------------------|---------------------------|------------------------------|
| alkyl alcohol ethoxylate | - | - | - | - |
| Didecyltrimethyl ammonium chloride | - | - | - | - |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | - | - | - | 3.4 |
| alkyl alcohol ethoxylate | - | - | - | 25 |
| sodium carbonate | - | - | - | - |
| Propan-2-ol | - | - | - | 26 |

DNEL/DMEL dermal exposure - Worker

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects (mg/kg bw) | Long term - Local effects | Long term - Systemic effects (mg/kg bw) |
|---|----------------------------|--|---------------------------|---|
| alkyl alcohol ethoxylate | - | - | - | - |
| Didecyltrimethyl ammonium chloride | - | - | - | 8.6 |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | - | - | - | 5.7 |
| alkyl alcohol ethoxylate | - | - | - | - |
| sodium carbonate | - | - | No data available | - |
| Propan-2-ol | - | - | - | 888 |

DNEL/DMEL dermal exposure - Consumer

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects (mg/kg bw) | Long term - Local effects | Long term - Systemic effects (mg/kg bw) |
|---|----------------------------|--|---------------------------|---|
| alkyl alcohol ethoxylate | - | - | - | - |
| Didecyltrimethyl ammonium chloride | - | - | - | - |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | - | - | - | 3.4 |
| alkyl alcohol ethoxylate | - | - | - | - |
| sodium carbonate | No data available | - | No data available | - |
| Propan-2-ol | - | - | - | 319 |

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

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---|----------------------------|-------------------------------|---------------------------|------------------------------|
| alkyl alcohol ethoxylate | - | - | - | - |
| Didecyltrimethyl ammonium chloride | - | - | - | 18.2 |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | - | - | - | 3.96 |
| alkyl alcohol ethoxylate | - | - | - | - |
| sodium carbonate | - | - | 10 | - |
| Propan-2-ol | - | - | - | 500 |

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

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---|----------------------------|-------------------------------|---------------------------|------------------------------|
| alkyl alcohol ethoxylate | - | - | - | - |
| Didecyltrimethyl ammonium chloride | - | - | - | - |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | - | - | - | 1.64 |
| alkyl alcohol ethoxylate | - | - | - | - |
| sodium carbonate | 10 | - | - | - |
| 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 | - | - | - | - |
| Didecyltrimethyl ammonium chloride | 0.002 | 0.0002 | 0.00029 | 0.595 |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | 0.0009 | 0.00096 | - | 0.4 |
| alkyl alcohol ethoxylate | - | - | - | - |
| sodium carbonate | - | - | - | - |
| 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 | - | - | - | - |
| Didecyltrimethyl ammonium chloride | 2.82 | 0.282 | 1.4 | - |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | 12.27 | 13.09 | 7 | - |
| alkyl alcohol ethoxylate | - | - | - | - |
| sodium carbonate | - | - | - | - |
| Propan-2-ol | 552 | 552 | 28 | - |

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8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Appropriate engineering controls: 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.

REACH use scenarios considered for the undiluted product:

| | SWED - Sector-specific worker exposure description | LCS | PROC | Duration (min) | ERC |
|---|--|-----|---------|----------------|-------|
| Automatic transfer and dilution | AISE_SWED_IS_8b_1 | IS | PROC 8b | 60 | ERC4 |
| Automatic application in a dedicated system | AISE_SWED_PW_4_2 | PW | PROC 4 | 480 | ERC8a |
| Automatic transfer and dilution | AISE_SWED_PW_8b_1 | PW | PROC 8b | 60 | ERC8b |

Personal protective equipment

Eye / face protection:

Safety glasses or goggles (EN 16321 / EN 166).

Hand protection:

Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.

Repeated or prolonged contact: Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm

Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm

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

Body protection:

No special requirements under normal use conditions.

Respiratory protection:

No special requirements under normal use conditions.

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

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (% w/w): 2

Appropriate engineering controls: Provide a good standard of general ventilation.

Appropriate organisational controls: No special requirements under normal use conditions.

REACH use scenarios considered for the diluted product:

| | SWED | LCS | PROC | Duration (min) | ERC |
|---|-------------------|-----|---------|----------------|-------|
| Spray application | AISE_SWED_IS_7_5 | IS | PROC 7 | 480 | ERC4 |
| Manual application by brushing, wiping or mopping | AISE_SWED_PW_10_1 | PW | PROC 10 | 480 | ERC8a |
| Spray application | AISE_SWED_PW_11_1 | PW | PROC 11 | 60 | ERC8a |
| Manual application | AISE_SWED_PW_19_1 | PW | PROC 19 | 480 | ERC8a |

Personal protective equipment

Eye / face protection:

No special requirements under normal use conditions.

Hand protection:

No special requirements under normal use conditions.

Body protection:

No special requirements under normal use conditions.

Respiratory protection:

Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available.

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 , Purple

Odour: Product specific**Odour threshold:** Not applicable**Melting point/freezing point (°C):** Not determined

Not relevant to classification of this product

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

See substance data

Substance data, boiling point

| Ingredient(s) | Value (°C) | Method | Atmospheric pressure (hPa) |
|---|-----------------------------------|------------------|----------------------------|
| alkyl alcohol ethoxylate | > 200 | Method not given | |
| Didecyldimethyl ammonium chloride | 110 | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | Product decomposes before boiling | | |
| alkyl alcohol ethoxylate | No data available | | |
| sodium carbonate | 1600 | Method not given | 1013 |
| Propan-2-ol | 82 | Method not given | 1013 |

Method / remark**Flammability (solid, gas):** Not applicable to liquids**Flammability (liquid):** Not flammable.**Flash point (°C):** > 93 °C

closed cup

Sustained combustion: The product does not sustain combustion

Weight of evidence

*(UN Manual of Tests and Criteria, section 32, L.2)***Lower and upper explosion limit/flammability limit (%):** Not determined

See substance data

Substance data, flammability or explosive limits, if available:

| Ingredient(s) | Lower limit (% vol) | Upper limit (% vol) |
|---------------|---------------------|---------------------|
| Propan-2-ol | 2 | 13 |

Method / remark**Autoignition temperature:** Not determined**Decomposition temperature:** Not applicable.**pH:** ≈ 11 (neat)

ISO 4316

Dilution pH: ≈ 10 (2 %)

ISO 4316

Kinematic viscosity: ≈ 40 mPa.s (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 |
| Didecyldimethyl ammonium chloride | No data available | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | Soluble | OECD 105 (EU A.6) | 10 |
| alkyl alcohol ethoxylate | Partly soluble | Method not given | 20 |
| sodium carbonate | 210-215 | 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**Vapour pressure:** Not determined

See substance data

Substance data, vapour pressure

| Ingredient(s) | Value (Pa) | Method | Temperature (°C) |
|---|-------------------|-------------------|------------------|
| alkyl alcohol ethoxylate | Negligible | Method not given | 20-25 |
| Didecyldimethyl ammonium chloride | No data available | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | 0.006 | OECD 104 (EU A.4) | 25 |
| alkyl alcohol ethoxylate | < 100 | | |
| sodium carbonate | Negligible | | |
| Propan-2-ol | 4200 | Method not given | 20 |

Method / remark**Relative density:** ≈ 1.03 (20 °C)

OECD 109 (EU A.3)

Relative vapour density: No data available.

Not relevant to classification of this product

Particle characteristics: No data available.

Not applicable to liquids.

9.2 Other information**9.2.1 Information with regard to physical hazard classes****Explosive properties:** Not explosive. Vapours may form explosive mixtures with air. Not explosive, based on substance properties**Oxidising properties:** Not oxidising.

Not oxidising, based on substance properties

Corrosion to metals: Not corrosive

Weight of evidence

9.2.2 Other safety characteristics

No other relevant information available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

None known under normal use conditions.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Mixture data: .

Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

ATE - Dermal (mg/kg): >2000

Skin irritation and corrosivity

Result: Skin irritant 2

Species: Rabbit

Method: OECD 404 (EU B.4)

Substance data, where relevant and available, are listed below:.

Acute toxicity

Acute oral toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) | ATE Oral (mg/kg) |
|---|------------------|---------------|---------|------------------------|-------------------|------------------|
| alkyl alcohol ethoxylate | LD ₅₀ | > 300-2000 | Rat | OECD 423 (EU B.1 tris) | | 10000 |
| Didecyldimethyl ammonium chloride | LD ₅₀ | 238 | Rat | Method not given | | 238 |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | LD ₅₀ | > 300-2000 | Rat | OECD 401 (EU B.1) | | 10000 |
| alkyl alcohol ethoxylate | LD ₅₀ | > 2000 | Rat | OECD 423 (EU B.1 tris) | | Not established |
| sodium carbonate | LD ₅₀ | 2800 | Rat | OECD 401 (EU B.1) | | 2800 |
| Propan-2-ol | LD ₅₀ | 5840 | Rat | OECD 401 (EU B.1) | | Not established |

Acute dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) | ATE Dermal (mg/kg) |
|---|------------------|-------------------|---------|------------------|-------------------|--------------------|
| alkyl alcohol ethoxylate | LD ₅₀ | > 2000 | Rabbit | Method not given | | Not established |
| Didecyldimethyl ammonium chloride | | No data available | | | | 22000 |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | | No data available | | | | Not established |
| alkyl alcohol ethoxylate | LD ₅₀ | > 2000 | Rat | Method not given | | Not established |
| sodium carbonate | LD ₅₀ | > 2000 | Rabbit | Method not given | | Not established |
| Propan-2-ol | LD ₅₀ | > 2000 | Rabbit | Method not given | | Not established |

Acute inhalative toxicity

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|-----------------------------------|----------|-------------------|---------|--------|-------------------|
| alkyl alcohol ethoxylate | | No data available | | | |
| Didecyldimethyl ammonium chloride | | No data | | | |

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| | | | | | |
|---|------------------|-------------------|-----|--------------------|---|
| | | available | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | | No data available | | | |
| alkyl alcohol ethoxylate | | No data available | | | |
| sodium carbonate | LC ₅₀ | > 2.3 (dust) | | Weight of evidence | 2 |
| Propan-2-ol | LC ₅₀ | > 25 (vapour) | Rat | OECD 403 (EU B.2) | 6 |

Acute inhalative toxicity, continued

| Ingredient(s) | ATE - inhalation, dust (mg/l) | ATE - inhalation, mist (mg/l) | ATE - inhalation, vapour (mg/l) | ATE - inhalation, gas (mg/l) |
|---|-------------------------------|-------------------------------|---------------------------------|------------------------------|
| alkyl alcohol ethoxylate | Not established | Not established | Not established | Not established |
| Didecyldimethyl ammonium chloride | Not established | Not established | Not established | Not established |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | Not established | Not established | Not established | Not established |
| alkyl alcohol ethoxylate | Not established | Not established | Not established | Not established |
| sodium carbonate | Not established | Not established | Not established | Not established |
| Propan-2-ol | Not established | Not established | Not established | Not established |

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) | |
| Didecyldimethyl ammonium chloride | Corrosive | Rabbit | OECD 404 (EU B.4) | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | Corrosive | Rabbit | | |
| alkyl alcohol ethoxylate | Not irritant | Rabbit | Weight of evidence Non guideline test | |
| sodium carbonate | Not irritant | Rabbit | 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 | |
| Didecyldimethyl ammonium chloride | Severe damage | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | Severe damage | Rabbit | | |
| alkyl alcohol ethoxylate | Severe damage | Rabbit | Weight of evidence Non guideline test | |
| sodium carbonate | 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 | | | |
| Didecyldimethyl ammonium chloride | No data available | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | No data available | | | |
| alkyl alcohol ethoxylate | No data available | | | |
| sodium carbonate | No data available | | | |
| 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 | |
| Didecyldimethyl ammonium chloride | Not sensitising | Guinea pig | OECD 406 (EU B.6) / Buehler test | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | Not sensitising | Guinea pig | OECD 406 (EU B.6) / Buehler test | |
| alkyl alcohol ethoxylate | Not sensitising | Guinea pig | | |
| sodium carbonate | Not sensitising | | 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 | | | |
| Didecyldimethyl ammonium chloride | No data available | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | No data available | | | |
| alkyl alcohol ethoxylate | No data available | | | |
| sodium carbonate | 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 |
| Didecyldimethyl ammonium chloride | No evidence of genotoxicity, negative test results | OECD 471 (EU B.12/13) OECD 473 OECD 476 | No data available | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | No data available | | No data available | |
| alkyl alcohol ethoxylate | No evidence for mutagenicity | OECD 471 (EU B.12/13) | No evidence for mutagenicity, negative test results | Weight of evidence |
| sodium carbonate | No data available | | No data available | |
| Propan-2-ol | No evidence for mutagenicity, negative test results No evidence of genotoxicity, negative test results | OECD 471 (EU B.12/13) | No evidence of genotoxicity, negative test results | OECD 474 (EU B.12) |

Carcinogenicity

| Ingredient(s) | Effect |
|---|--|
| alkyl alcohol ethoxylate | No evidence for carcinogenicity, weight-of-evidence |
| Didecyldimethyl ammonium chloride | No data available |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | No data available |
| alkyl alcohol ethoxylate | No evidence for carcinogenicity, weight-of-evidence |
| sodium carbonate | No evidence for carcinogenicity, weight-of-evidence |
| Propan-2-ol | No evidence for carcinogenicity, negative test results |

Toxicity for reproduction

| Ingredient(s) | Endpoint | Specific effect | Value (mg/kg bw/d) | Species | Method | Exposure time | Remarks and other effects reported |
|---|----------|---------------------|--------------------|---------|--------------------|---------------|--|
| alkyl alcohol ethoxylate | NOAEL | Teratogenic effects | > 50 | Rat | Not known | | No known significant effects or critical hazards |
| Didecyldimethyl ammonium chloride | | | No data available | | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | | | No data available | | | | |
| alkyl alcohol ethoxylate | | | - | | Weight of evidence | | No evidence for reproductive toxicity No evidence for teratogenic effects |
| sodium carbonate | | | No data available | | | | |
| 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 available | | | | |
| Didecyldimethyl ammonium chloride | | No data available | | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | | No data available | | | | |
| alkyl alcohol ethoxylate | | No data available | | | | |
| sodium carbonate | | 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 | | | | |
| Didecyldimethyl ammonium chloride | | No data available | | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | | No data available | | | | |
| alkyl alcohol ethoxylate | | No data available | | | | |
| sodium carbonate | | No data available | | | | |

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| | | | | | | |
|-------------|--|-------------------|--|--|--|--|
| | | 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 | | | | |
| Didecyldimethyl ammonium chloride | | No data available | | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | | No data available | | | | |
| alkyl alcohol ethoxylate | | No data available | | | | |
| sodium carbonate | | 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 | |
| Didecyldimethyl ammonium chloride | | | No data available | | | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | | | No data available | | | | | |
| alkyl alcohol ethoxylate | | | No data available | | | | | |
| sodium carbonate | | | No data available | | | | | |
| Propan-2-ol | | | No data available | | | | | |

STOT-single exposure

| Ingredient(s) | Affected organ(s) |
|---|------------------------|
| alkyl alcohol ethoxylate | Not applicable |
| Didecyldimethyl ammonium chloride | No data available |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | No data available |
| alkyl alcohol ethoxylate | Not applicable |
| sodium carbonate | Not applicable |
| Propan-2-ol | Central nervous system |

STOT-repeated exposure

| Ingredient(s) | Affected organ(s) |
|---|-------------------|
| alkyl alcohol ethoxylate | Not applicable |
| Didecyldimethyl ammonium chloride | No data available |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | No data available |
| alkyl alcohol ethoxylate | Not applicable |
| sodium carbonate | Not applicable |
| Propan-2-ol | No data available |

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

11.2 Information on other hazards**11.2.1 Endocrine disrupting properties**

Endocrine disrupting properties - Human data, if available:

11.2.2 Other information

No other relevant information available.

SECTION 12: Ecological information**12.1 Toxicity**

No data is available on the mixture .

Substance data, where relevant and available, are listed below:

Aquatic short-term toxicity

Aquatic short-term toxicity - fish

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---|------------------|--------------|----------------------------|------------------------|-------------------|
| alkyl alcohol ethoxylate | LC ₅₀ | > 1 - 10 | <i>Cyprinus carpio</i> | OECD 203 (EU C.1) | 96 |
| Didecyltrimethyl ammonium chloride | LC ₅₀ | 0.97 | <i>Brachydanio rerio</i> | OECD 203 (EU C.1) | 96 |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | LC ₅₀ | > 0.1-1 | <i>Lepomis macrochirus</i> | OPP 72-1, static (EPA) | 96 |
| alkyl alcohol ethoxylate | LC ₅₀ | > 1 - 10 | <i>Cyprinus carpio</i> | OECD 203 (EU C.1) | 96 |
| sodium carbonate | LC ₅₀ | 300 | <i>Lepomis macrochirus</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 Straus</i> | OECD 202, static | 48 |
| Didecyltrimethyl ammonium chloride | EC ₅₀ | 0.053 | <i>Daphnia magna Straus</i> | OECD 202 (EU C.2) | 48 |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | EC ₅₀ | > 0.01-0.1 | <i>Daphnia magna Straus</i> | OECD 202 (EU C.2) | 48 |
| alkyl alcohol ethoxylate | EC ₅₀ | > 1 - 10 | <i>Daphnia magna Straus</i> | OECD 202 (EU C.2) | 48 |
| sodium carbonate | EC ₅₀ | 200-227 | <i>Ceriodaphnia dubia</i> | Method not given | 96 |
| Propan-2-ol | EC ₅₀ | > 100 | <i>Daphnia magna Straus</i> | 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 |
| Didecyltrimethyl ammonium chloride | EC ₅₀ | 0.053 | <i>Pseudokirchneriella subcapitata</i> | OECD 201 (EU C.3) | 72 |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | EC ₅₀ | > 0.01-0.1 | <i>Pseudokirchneriella subcapitata</i> | OECD 201 (EU C.3) | 72 |
| alkyl alcohol ethoxylate | EC ₅₀ | > 1 - 10 | <i>Desmodesmus subspicatus</i> | OECD 201 (EU C.3) | 72 |
| sodium carbonate | EC ₅₀ | > 800 | <i>Selenastrum capricornutum</i> | | 72 |
| 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 | | | |
| Didecyltrimethyl ammonium chloride | | No data available | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | | No data available | | | |
| alkyl alcohol ethoxylate | | No data available | | | |
| sodium carbonate | | No data available | | | |
| Propan-2-ol | | No data available | | | |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s) | Endpoint | Value (mg/l) | Inoculum | Method | Exposure time |
|---|------------------|-------------------|-------------------------|--------------------|---------------|
| alkyl alcohol ethoxylate | EC ₁₀ | > 10000 | <i>Activated sludge</i> | DIN 38412 / Part 8 | 17 hour(s) |
| Didecyltrimethyl ammonium chloride | | No data available | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | | No data available | | | |

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| | | | | | |
|--------------------------|------------------|----------------------|---------------------|--------------------|------------|
| alkyl alcohol ethoxylate | EC ₅₀ | 140 | Activated sludge | Weight of evidence | 17 hour(s) |
| sodium carbonate | | No data available | | | |
| 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 | | | | |
| Didecylmethyl ammonium chloride | | No data available | | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | | No data available | | | | |
| alkyl alcohol ethoxylate | NOEC | 1.73 | <i>Not specified</i> | QSAR Weight of evidence | 96 hour(s) | |
| sodium carbonate | | 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 | | | | |
| Didecylmethyl ammonium chloride | NOEC | > 0.01-0.1 | <i>Daphnia magna</i> | OECD 211 | 21 day(s) | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | NOEC | > 0.01-0.1 | <i>Daphnia magna</i> | OECD 211 | 21 day(s) | |
| alkyl alcohol ethoxylate | NOEC | 1.36 | <i>Daphnia magna Not specified</i> | QSAR Weight of evidence | 21 day(s) | |
| sodium carbonate | | 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 | | | | |
| Didecylmethyl ammonium chloride | | No data available | | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | | No data available | | | | |
| alkyl alcohol ethoxylate | | No data available | | | | |
| sodium carbonate | | 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> | | | |
| Didecylmethyl ammonium chloride | | No data available | | | | |
| alkyl alcohol ethoxylate | LD ₅₀ | > 1000 | <i>Eisenia fetida</i> | OECD 207 | 14 | |
| sodium carbonate | | No data available | | | | |
| Propan-2-ol | | No data available | | | | |

Terrestrial toxicity - plants, if available:

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

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| | | | | | | |
|-----------------------------------|------------------|-------------------|---|----------|--|--|
| | | | <i>sativum</i> | | | |
| Didecyldimethyl ammonium chloride | | No data available | | | | |
| alkyl alcohol ethoxylate | EC ₅₀ | > 100 | <i>Triticum aestivum</i> <i>Lepidium sativum</i> <i>Brassica alba</i> | OECD 208 | | |
| sodium carbonate | | 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 |
|-----------------------------------|----------|-------------------|---------|--------|----------------------|------------------|
| Didecyldimethyl ammonium chloride | | No data available | | | | |
| sodium carbonate | | 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 |
|-----------------------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Didecyldimethyl ammonium chloride | | No data available | | | | |
| sodium carbonate | | 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 |
|-----------------------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Didecyldimethyl ammonium chloride | | No data available | | | | |
| sodium carbonate | | 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 |
|-----------------------------------|-------------------|--------|------------|--------|
| Didecyldimethyl ammonium chloride | No data available | | | |
| sodium carbonate | No data available | | | |
| Propan-2-ol | No data available | | | |

Abiotic degradation - hydrolysis, if available:

| Ingredient(s) | Half-life time in fresh water | Method | Evaluation | Remark |
|-----------------------------------|-------------------------------|--------|----------------------|--------|
| Didecyldimethyl ammonium chloride | No data available | | | |
| sodium carbonate | No data available | | Rapidly hydrolysible | |
| Propan-2-ol | No data available | | | |

Abiotic degradation - other processes, if available:

| Ingredient(s) | Type | Half-life time | Method | Evaluation | Remark |
|-----------------------------------|------|-------------------|--------|------------|--------|
| Didecyldimethyl ammonium chloride | | No data available | | | |
| sodium carbonate | | No data available | | | |
| Propan-2-ol | | No data available | | | |

Biodegradation

Ready biodegradability - aerobic conditions

| Ingredient(s) | Inoculum | Analytical method | DT ₅₀ | Method | Evaluation |
|-----------------------------------|--------------------------|----------------------------|---------------------|-----------|-----------------------|
| alkyl alcohol ethoxylate | Activated sludge, aerobe | CO ₂ production | > 60 % in 28 day(s) | OECD 301B | Readily biodegradable |
| Didecyldimethyl ammonium chloride | | Oxygen depletion | > 60% | OECD 301D | Readily biodegradable |

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| | | | | | |
|---|--------------------------|----------------------------|---------------------|-----------|--------------------------------------|
| alkyl (C12-16) dimethylbenzyl ammonium chloride | Activated sludge, aerobe | Oxygen depletion | 63% in 28 day(s) | OECD 301D | Readily biodegradable |
| alkyl alcohol ethoxylate | | CO ₂ production | > 60 % in 28 day(s) | OECD 301B | Readily biodegradable |
| sodium carbonate | | | | | Not applicable (inorganic substance) |
| Propan-2-ol | | | 95 % in 21 day(s) | OECD 301E | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

| Ingredient(s) | Medium & Type | Analytical method | DT ₅₀ | Method | Evaluation |
|-----------------------------------|---------------|-------------------|------------------|--------|-------------------|
| Didecyldimethyl ammonium chloride | | | | | No data available |
| alkyl alcohol ethoxylate | | | | | Biodegradable |
| sodium carbonate | | | | | No data available |
| Propan-2-ol | | | | | No data available |

Degradation in relevant environmental compartments, if available:

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

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

| Ingredient(s) | Value | Method | Evaluation | Remark |
|---|-------------------|----------|--------------------------------------|----------|
| alkyl alcohol ethoxylate | 4.09 | QSAR | No bioaccumulation expected | |
| Didecyldimethyl ammonium chloride | No data available | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | < 3 | OECD 107 | No bioaccumulation expected | at 20 °C |
| alkyl alcohol ethoxylate | No data available | | Not relevant, does not bioaccumulate | |
| sodium carbonate | No data available | | No bioaccumulation expected | |
| Propan-2-ol | 0.05 | OECD 107 | No bioaccumulation expected | |

Bioconcentration factor (BCF)

| Ingredient(s) | Value | Species | Method | Evaluation | Remark |
|---|-------------------|---------|------------------|-----------------------------|--------|
| alkyl alcohol ethoxylate | - | | | No bioaccumulation expected | |
| Didecyldimethyl ammonium chloride | 2.1 | | Method not given | No bioaccumulation expected | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | No data available | | | | |
| alkyl alcohol ethoxylate | No data available | | | | |
| sodium carbonate | No data available | | | No bioaccumulation expected | |
| 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 |
| Didecyldimethyl ammonium chloride | No data available | | | | |
| alkyl (C12-16) dimethylbenzyl ammonium chloride | No data available | | | | |
| alkyl alcohol ethoxylate | No data available | | | | |
| sodium carbonate | No data available | | | | Potential for mobility in soil, soluble in water |
| Propan-2-ol | No data available | | | | Potential for mobility in soil, soluble in water |

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Endocrine disrupting properties - Environmental effects, if available:

12.7 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

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13.1 Waste treatment methods**Waste from residues / unused products:**

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

European Waste Catalogue:

20 01 29* - detergents containing dangerous substances.

Empty packaging**Recommendation:**

Dispose of observing national or local regulations.

Suitable cleaning agents:

Water, if necessary with cleaning agent.

SECTION 14: Transport information**Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)**

14.1 UN number or ID number: 3082

14.2 UN proper shipping name:

Environmentally hazardous substance, liquid, n.o.s. (alkyldimethylbenzylammoniumchloride , didecyldimethylammoniumchloride)

14.3 Transport hazard class(es):

Transport hazard class (and subsidiary risks): 9

14.4 Packing group: III**14.5 Environmental hazards:**

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6 Special precautions for user: None known.

14.7 Maritime transport in bulk according to IMO instruments: The product is not transported in bulk tankers.

Other relevant information:**ADR**

Classification code: M6

Tunnel restriction code: (-)

Hazard identification number: 90

IMO/IMDG

EmS: F-A, S-F

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 dangerous goods packed in small quantities classified under UN3077 or UN3082.

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

- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 648/2004 - Detergents regulation
- Regulation (EU) No 528/2012 on biocidal products
- substances identified as having endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code

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

Ingredients according to EC Detergents Regulation 648/2004

non-ionic surfactants

5 - 15 %

disinfectants

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.

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Seveso - Classification: E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

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: MSDS3987

Version: 05.4

Revision: 2024-05-31

Reason for revision:

Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006, This data sheet contains changes from the previous version in section(s):, 1, 3, 6, 7, 8, 9, 11, 12, 15, 16

Classification procedure

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Limit
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- H225 - Highly flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H312 - Harmful in contact with skin.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H335 - May cause respiratory irritation.
- H336 - May cause drowsiness or dizziness.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

End of Safety Data Sheet