



Clax Mild 33B1

Revision: 2021-02-21

Version: 09.4

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

1.1 Product identifier

Trade name: Clax Mild 33B1

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

Product use: Laundry detergent.
For professional use only.

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

SWED - Sector-specific worker exposure description :

AISE_SWED_PW_8a_2
AISE_SWED_PW_4_1

UFI: 4WY3-40JV-K001-70AV

1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

Contact details

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

1.4 Emergency telephone number

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Eye Irrit. 2 (H319)

2.2 Label elements



Signal word: Warning.

Hazard statements:

H319 - Causes serious eye irritation.

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 |
|-------------------------------|-----------|------------|--------------|---|-------|----------------|
| sodium alkylbenzenesulphonate | 290-656-6 | [1] | [1] | Acute Tox. 4 (H302) Skin Irrit. 2 (H315) | | 3-10 |

Clax Mild 33B1

| | | | | | |
|--|-----------|------------|------------------|--|------|
| | | | | Eye Dam. 1 (H318) | |
| glycerol | 200-289-5 | 56-81-5 | 01-2119471987-18 | Not classified | 3-10 |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | [4] | 68002-97-1 | [4] | Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412) | 1-3 |

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

ATE, if available, are listed in section 11.

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

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

[6] Exempted: biocidal active. See Article 15a 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. If irritation occurs and persists, get medical attention. |
| Ingestion: | Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell. |
| Self-protection of first aider: | Consider personal protective equipment as indicated in subsection 8.2. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|----------------------|---|
| Inhalation: | No known effects or symptoms in normal use. |
| Skin contact: | No known effects or symptoms in normal use. |
| Eye contact: | Causes severe irritation. |
| Ingestion: | No known effects or symptoms in normal use. |

4.3 Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). 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:

Clax Mild 33B1

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. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

No specific advice for end use available.

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

Air limit values, if available:

| Ingredient(s) | UK - Long term value(s) | UK - Short term value(s) |
|---------------|---------------------------|---------------------------|
| glycerol | 10 mg/m ³ mist | 30 mg/m ³ mist |

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 (mg/kg bw) | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|--|---------------------------|------------------------------|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | - | - | - | 229 |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | - | - | - | - |

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) |
|--|----------------------------|--|---------------------------|---|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | No data available | - | No data available | - |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | - | - | No data available | - |

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) |
|--|----------------------------|--|---------------------------|---|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | No data available | - | No data available | - |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | - | - | No data available | - |

DNEL inhalatory exposure - Worker (mg/m³)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | - | - | 56 | 56 |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | - | - | - | - |

DNEL inhalatory exposure - Consumer (mg/m³)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | - | - | - | 33 |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | - | - | - | - |

Environmental exposure

Environmental exposure - PNEC

Clax Mild 33B1

| Ingredient(s) | Surface water, fresh (mg/l) | Surface water, marine (mg/l) | Intermittent (mg/l) | Sewage treatment plant (mg/l) |
|--|-----------------------------|------------------------------|---------------------|-------------------------------|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | 0.885 | 0.0885 | 8.85 | 1000 |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | - | - | - | - |

Environmental exposure - PNEC, continued

| Ingredient(s) | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg) | Air (mg/m ³) |
|--|------------------------------|--------------------------|-------------------|--------------------------|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | 3.3 | 0.33 | 0.141 | - |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | - | - | - | - |

8.2 Exposure controls

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

Recommended safety measures for handling the undiluted product:

Appropriate engineering controls: No special requirements under normal use conditions.
Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

REACH use scenarios considered for the undiluted product:

| Contributing scenario, undiluted | SWED - Sector-specific worker exposure description | LCS | PROC | Duration (min) | ERC |
|----------------------------------|--|-----|---------|----------------|-------|
| Manual transfer and dilution | AISE_SWED_PW_8a_2 | PW | PROC 8a | 60 | ERC8a |

Personal protective equipment

Eye / face protection: Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 166).

Hand protection: No special requirements under normal use conditions.

Body protection: No special requirements under normal use conditions.

Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (% w/w): 1

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

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

REACH use scenarios considered for the diluted product:

| Contributing scenario, diluted | SWED | LCS | PROC | Duration (min) | ERC |
|---|------------------|-----|--------|----------------|-------|
| Automatic application in a dedicated system | AISE_SWED_PW_4_1 | PW | PROC 4 | 480 | ERC8a |

Personal protective equipment

Eye / face protection: No special requirements under normal use conditions.

Hand protection: No special requirements under normal use conditions.

Body protection: No special requirements under normal use conditions.

Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Information in this section refers to the product, unless it is specifically stated that substance data is listed

| | Method / remark |
|---|--|
| Physical State: Liquid | |
| Colour: Milky , Medium , White | |
| Odour: Product specific | |
| Odour threshold: Not applicable | |
| Melting point/freezing point (°C): 999 | Not relevant to classification of this product |
| Initial boiling point and boiling range (°C): Not determined | See substance data |

Clax Mild 33B1

Substance data, boiling point

| Ingredient(s) | Value (°C) | Method | Atmospheric pressure (hPa) |
|--|-------------------|------------------|----------------------------|
| sodium alkylbenzenesulphonate | No data available | | |
| glycerol | 290 | Method not given | 1013 |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | No data available | | |

Method / remark

Flammability (solid, gas): Not applicable to liquids

Flammability (liquid): Not flammable.

Flash point (°C): Not applicable.

Sustained combustion: Not applicable.

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

Lower and upper explosion limit/flammability limit (%): Not determined

See substance data

Substance data, flammability or explosive limits, if available:

| Ingredient(s) | Lower limit (% vol) | Upper limit (% vol) |
|---------------|---------------------|---------------------|
| glycerol | 2.7 | 19 |

Method / remark

Autoignition temperature: Not determined

Decomposition temperature: Not applicable.

pH ≈ 7 (neat)

Dilution pH: ≈ 9 (1 %)

Kinematic viscosity: ≈ 725 mPa.s (20 °C)

Solubility in / Miscibility with Water: Fully miscible

ISO 4316

ISO 4316

DM-006 Viscosity - Standard

Substance data, solubility in water

| Ingredient(s) | Value (g/l) | Method | Temperature (°C) |
|--|-------------------|------------------|------------------|
| sodium alkylbenzenesulphonate | No data available | | |
| glycerol | 500 | Method not given | 20 |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | No data available | | |

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) |
|--|-------------------|------------------|------------------|
| sodium alkylbenzenesulphonate | No data available | | |
| glycerol | < 1 | Method not given | 20 |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | No data available | | |

Method / remark

Relative density: ≈ 1.21 (20 °C)

Relative vapour density: No data available.

Particle characteristics: No data available.

OECD 109 (EU A.3)

Not relevant to classification of this product

Not applicable to liquids.

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties: Not explosive.

Oxidising properties: Not oxidising.

Corrosion to metals: Not corrosive

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

Clax Mild 33B1

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 toxicological effects**

Mixture data:

Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

Eye irritation and corrosivity

Result: Eye irritant 2

Species: Not applicable.

Method: Weight of evidence

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 (mg/kg) |
|--|------------------|---------------|---------|-------------------|-------------------|-----------------|
| sodium alkylbenzenesulphonate | LD ₅₀ | > 1470 | Rat | OECD 401 (EU B.1) | | 17000 |
| glycerol | LD ₅₀ | 12600 | Mouse | Method not given | | Not established |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | LD ₅₀ | ≥ 1000 | | Read across | | 21000 |

Acute dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) | ATE (mg/kg) |
|--|------------------|-------------------|---------|------------------|-------------------|-----------------|
| sodium alkylbenzenesulphonate | | No data available | | | | Not established |
| glycerol | LD ₅₀ | > 10000 | Rabbit | Method not given | | Not established |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | LD ₅₀ | > 2000 | | Method not given | | Not established |

Acute inhalative toxicity

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|--|----------|-------------------|---------|--------------------|-------------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | | > 2.75 | Rat | Weight of evidence | 4 Hrs. |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | | No data available | | | |

Acute inhalative toxicity, continued

| Ingredient(s) | ATE - inhalation, dust (mg/l) | ATE - inhalation, mist (mg/l) | ATE - inhalation, vapour (mg/l) | ATE - inhalation, gas (mg/l) |
|--|-------------------------------|-------------------------------|---------------------------------|------------------------------|
| sodium alkylbenzenesulphonate | Not established | Not established | Not established | Not established |
| glycerol | Not established | Not established | Not established | Not established |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | Not established | Not established | Not established | Not established |

Irritation and corrosivity

Skin irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|--|-------------------|---------|-------------------|---------------|
| sodium alkylbenzenesulphonate | No data available | | | |
| glycerol | Not irritant | | OECD 404 (EU B.4) | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | Not irritant | Rabbit | Method not given | |

Eye irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|-------------------------------|-------------------|---------|------------------|---------------|
| sodium alkylbenzenesulphonate | No data available | | | |
| glycerol | Not corrosive or | | Method not given | |

Clax Mild 33B1

| | | | |
|--|---------------|--------|------------------|
| | irritant | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | Severe damage | Rabbit | Method not given |

Respiratory tract irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|--|-------------------|---------|--------|---------------|
| sodium alkylbenzenesulphonate | No data available | | | |
| glycerol | No data available | | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | No data available | | | |

Sensitisation

Sensitisation by skin contact

| Ingredient(s) | Result | Species | Method | Exposure time (h) |
|--|-------------------|------------|---------------------------|-------------------|
| sodium alkylbenzenesulphonate | No data available | | | |
| glycerol | Not sensitising | Human | Human repeated patch test | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | Not sensitising | Guinea pig | Method not given | |

Sensitisation by inhalation

| Ingredient(s) | Result | Species | Method | Exposure time |
|--|-------------------|---------|--------|---------------|
| sodium alkylbenzenesulphonate | No data available | | | |
| glycerol | No data available | | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | 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) |
|--|---|-----------------------|---|------------------|
| sodium alkylbenzenesulphonate | No data available | | No data available | |
| glycerol | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13) | No data available | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | No evidence for mutagenicity, negative test results | Method not given | No evidence for mutagenicity, negative test results | Method not given |

Carcinogenicity

| Ingredient(s) | Effect |
|--|--|
| sodium alkylbenzenesulphonate | No data available |
| glycerol | No evidence for carcinogenicity, negative test results |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | No evidence for carcinogenicity, weight-of-evidence |

Toxicity for reproduction

| Ingredient(s) | Endpoint | Specific effect | Value (mg/kg bw/d) | Species | Method | Exposure time | Remarks and other effects reported |
|--|----------|-----------------|--------------------|---------|------------|---------------|--|
| sodium alkylbenzenesulphonate | | | No data available | | | | |
| glycerol | | | No data available | | | | Not toxic for reproduction |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | | | No data available | | Literature | | No evidence for teratogenic effects No evidence for reproductive toxicity |

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

| Ingredient(s) | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|--|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| sodium alkylbenzenesulphonate | | No data available | | | | |
| glycerol | | No data available | | | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | | 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 |
|--|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| sodium alkylbenzenesulphonate | | No data available | | | | |
| glycerol | | No data available | | | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | | No data available | | | | |

Clax Mild 33B1

Sub-chronic inhalation toxicity

| Ingredient(s) | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|--|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| sodium alkylbenzenesulphonate | | No data available | | | | |
| glycerol | | No data available | | | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | | 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 |
|--|----------------|----------|--------------------|---------|--------|---------------|--------------------------------------|--------|
| sodium alkylbenzenesulphonate | | | No data available | | | | | |
| glycerol | | | No data available | | | | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | | | No data available | | | | | |

STOT-single exposure

| Ingredient(s) | Affected organ(s) |
|--|-------------------|
| sodium alkylbenzenesulphonate | No data available |
| glycerol | No data available |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | No data available |

STOT-repeated exposure

| Ingredient(s) | Affected organ(s) |
|--|-------------------|
| sodium alkylbenzenesulphonate | No data available |
| glycerol | No data available |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | 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

| Ingredient(s) | Effect |
|--|-------------------|
| sodium alkylbenzenesulphonate | No data available |
| glycerol | No data available |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | No data 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) |
|--|------------------|-------------------|----------------------------|------------------|-------------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | LC ₅₀ | 54000 | <i>Oncorhynchus mykiss</i> | Method not given | 96 |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | LC ₅₀ | > 1-10 | <i>Brachydanio rerio</i> | Method not given | 96 |

Aquatic short-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value | Species | Method | Exposure |
|---------------|----------|-------|---------|--------|----------|
|---------------|----------|-------|---------|--------|----------|

Clax Mild 33B1

| | | (mg/l) | | | time (h) |
|--|------------------|-------------------|-----------------------------|------------------|----------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | EC ₅₀ | > 10000 | <i>Daphnia magna Straus</i> | Method not given | 24 |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | EC ₅₀ | > 1-10 | <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) |
|--|------------------|-------------------|--------------------------------|------------------|-------------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | | No data available | | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | EC ₅₀ | > 1-10 | <i>Desmodesmus subspicatus</i> | Method not given | 72 |

Aquatic short-term toxicity - marine species

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (days) |
|--|----------|-------------------|---------|--------|----------------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | | No data available | | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | | No data available | | | |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s) | Endpoint | Value (mg/l) | Inoculum | Method | Exposure time |
|--|------------------|-------------------|---------------------------|------------------|---------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | EC ₅₀ | > 10000 | <i>Pseudomonas putida</i> | Method not given | 16 hour(s) |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | EC ₅₀ | 140 | <i>Activated sludge</i> | Method not given | |

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|--|----------|-------------------|---------|--------|---------------|------------------|
| sodium alkylbenzenesulphonate | | No data available | | | | |
| glycerol | | No data available | | | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | | No data available | | | | |

Aquatic long-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|--|------------------|-------------------|--------------------|----------|---------------|------------------|
| sodium alkylbenzenesulphonate | | No data available | | | | |
| glycerol | | No data available | | | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | EC ₁₀ | > 0.1-1 | <i>Daphnia sp.</i> | OECD 211 | | |

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 |
|--|----------|---------------------------|---------|--------|----------------------|------------------|
| sodium alkylbenzenesulphonate | | No data available | | | | |
| glycerol | | No data available | | | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | | No data available | | | | |

Terrestrial toxicity

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

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Clax Mild 33B1

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ready biodegradability - aerobic conditions

| Ingredient(s) | Inoculum | Analytical method | DT ₅₀ | Method | Evaluation |
|--|--------------------------|-------------------|---------------------|------------------|-----------------------|
| sodium alkylbenzenesulphonate | | | | OECD 301B | Readily biodegradable |
| glycerol | | | 60% in 28 day(s) | Method not given | Readily biodegradable |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | Activated sludge, aerobe | Method not given | > 60 % in 28 day(s) | OECD 301B | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

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

| Ingredient(s) | Value | Method | Evaluation | Remark |
|--|-------------------|------------------|-----------------------------|--------|
| sodium alkylbenzenesulphonate | No data available | | | |
| glycerol | -1.76 | Method not given | No bioaccumulation expected | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | - | | No bioaccumulation expected | |

Bioconcentration factor (BCF)

| Ingredient(s) | Value | Species | Method | Evaluation | Remark |
|--|-------------------|---------|--------|------------|--------|
| sodium alkylbenzenesulphonate | No data available | | | | |
| glycerol | No data available | | | | |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | 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 |
|--|--|--|--------|--------------------|--|
| sodium alkylbenzenesulphonate | No data available | | | | |
| glycerol | No data available | | | | Potential for mobility in soil, soluble in water |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | No data available | | | | |

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

| Ingredient(s) | Effect |
|--|-------------------|
| sodium alkylbenzenesulphonate | No data available |
| glycerol | No data available |
| Alcohols, C10-16, ethoxylated (7-<15 EO) | No data available |

12.7 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

Clax Mild 33B1

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

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

European Waste Catalogue:

20 01 29* - detergents containing dangerous substances.

Empty packaging**Recommendation:**

Dispose of observing national or local regulations.

Suitable cleaning agents:

Water, if necessary with cleaning agent.

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

14.1 UN number: Non-dangerous goods

14.2 UN proper shipping name: Non-dangerous goods

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

14.4 Packing group: Non-dangerous goods

14.5 Environmental hazards: Non-dangerous goods

14.6 Special precautions for user: Non-dangerous goods

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Non-dangerous goods

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
- 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

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

Ingredients according to EC Detergents Regulation 648/2004

| | |
|---|-----------|
| phosphates | 15 - 30 % |
| anionic surfactants | 5 - 15 % |
| non-ionic surfactants | < 5 % |
| perfumes , optical brighteners, enzymes, Citronellol, Benzisothiazolinone | |

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.

Seveso - Classification: Not classified

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

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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

Clax Mild 33B1

for toxicological information and section 12 for ecological information.

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

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

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 - Organization 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

End of Safety Data Sheet