Safety data sheet
according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

MILIZID

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

Relevant identified uses of the substance or mixture:

Cleaner

Only for industrial or commercial use.

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

DR.SCHNELL GmbH & Co. KGaA, Taunusstr. 19, 80807 München, Germany
Phone:089/350608-0, Fax:089/350608-47
info@dr-schnell.com

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:

National Poisons Information Centre, Beaumont Hospital, Dublin 9, Ireland, Tel.:
+353 (0)1 809 2166 (Public Poisons Info Line, 8am-10pm, 7 days a week)
+353 (0)1 809 2566 (Info for Healthcare Professionals ONLY, 24 h, 7 days a week)

Telephone number of the company in case of emergencies:
+49 (0) 700 / 24 112 112 (DSC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

<table>
<thead>
<tr>
<th>Hazard class</th>
<th>Hazard category</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit.</td>
<td>2</td>
<td>H319-Causes serious eye irritation.</td>
</tr>
<tr>
<td>Skin Irrit.</td>
<td>2</td>
<td>H315-Causes skin irritation.</td>
</tr>
</tbody>
</table>

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)
Warning

H319-Causes serious eye irritation.  H315-Causes skin irritation.

P280-Wear protective gloves / eye protection / 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. P314-Get medical advice / attention if you feel unwell.

2.3 Other hazards
The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).
The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).

SECTION 3: Composition/information on ingredients

3.1 Substance
n.a.

3.2 Mixture

<table>
<thead>
<tr>
<th>Sulphamidic acid</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration number (REACH)</td>
<td>01-2119846728-23-XXXX</td>
</tr>
<tr>
<td>Index</td>
<td>016-026-00-0</td>
</tr>
<tr>
<td>EINECS, ELINCS, NLP</td>
<td>226-218-8</td>
</tr>
<tr>
<td>CAS</td>
<td>5329-14-6</td>
</tr>
<tr>
<td>content %</td>
<td>10-%&lt;20</td>
</tr>
</tbody>
</table>
| Classification according to Regulation (EC) 1272/2008 (CLP) | Eye Irrit. 2, H319  
Skin Irrit. 2, H315  
Aquatic Chronic 3, H412 |

<table>
<thead>
<tr>
<th>Isotridecanol, ethoxylated</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration number (REACH)</td>
<td>---</td>
</tr>
<tr>
<td>Index</td>
<td>---</td>
</tr>
<tr>
<td>EINECS, ELINCS, NLP</td>
<td>931-138-8 (REACH-IT List-No.)</td>
</tr>
<tr>
<td>CAS</td>
<td>69011-36-5</td>
</tr>
<tr>
<td>content %</td>
<td>1-%&lt;3</td>
</tr>
</tbody>
</table>
| Classification according to Regulation (EC) 1272/2008 (CLP) | Acute Tox. 4, H302  
Eye Dam. 1, H318 |

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.
The substances named in this section are given with their actual, appropriate classification!
For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures
4.1 Description of first aid measures
First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

**Inhalation**
Supply person with fresh air and consult doctor according to symptoms.

**Skin contact**
Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

**Eye contact**
Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

**Ingestion**
Rinse the mouth thoroughly with water. Do not induce vomiting - give copious water to drink. Consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed
If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

- eyes, reddened
- Watering eyes
- reddening of the skin
- Dermatitis (skin inflammation)

4.3 Indication of any immediate medical attention and special treatment needed
Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media
**Suitable extinguishing media**
Adapt to the nature and extent of fire.
Water jet spray/foam/CO2/dry extinguisher

**Unsuitable extinguishing media**
High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:
- Ammonia
- Oxides of carbon
- Oxides of nitrogen
- Oxides of sulphur
- Hydrogen gas
- Nitro gases
- Toxic gases

5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Keep unprotected persons away. Ensure sufficient supply of air. Avoid contact with eyes or skin. If applicable, caution - risk of slipping.

6.2 Environmental precautions
If leakage occurs, dam up.
Resolve leaks if this possible without risk.
Prevent surface and ground-water infiltration, as well as ground penetration.
Prevent from entering drainage system.
If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up
Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.
Neutralising is possible (only from a specialist).
Flush residue using copious water.

6.4 Reference to other sections
For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations
Ensure good ventilation.
Avoid contact with eyes or skin.
Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
Observe directions on label and instructions for use.
Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace
General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities
Keep out of access to unauthorised individuals.
Store product closed and only in original packing.
Not to be stored in gangways or stair wells.
Do not store with alkalis.
Do not use acid sensitive materials.
Store at room temperature.

7.3 Specific end use(s)
No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>Sulphamidic acid</th>
<th>Exposure route / Environmental compartment</th>
<th>Effect on health</th>
<th>Descriptor</th>
<th>Value</th>
<th>Unit</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environment - freshwater</td>
<td>PNEC</td>
<td>0.3</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - marine</td>
<td>PNEC</td>
<td>0.03</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - water, sporadic (intermittent) release</td>
<td>PNEC</td>
<td>0.3</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - sewage treatment plant</td>
<td>PNEC</td>
<td>200</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - sediment, freshwater</td>
<td>PNEC</td>
<td>0.3</td>
<td>mg/kg dw</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:
Chemical resistant protective gloves (EN 374).
If applicable
Protective gloves in butyl rubber (EN 374).
Protective nitrile gloves (EN 374).
Minimum layer thickness in mm: 0,5
Permeation time (penetration time) in minutes: 480
Protective hand cream recommended.
The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:
Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:
Normally not necessary.

Thermal hazards:
Not applicable

Additional information on hand protection - No tests have been performed.
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.
**9.1 Information on basic physical and chemical properties**

- **Physical state:** Liquid
- **Colour:** Green
- **Odour:** Characteristic
- **Odour threshold:** Not determined
- **pH-value:** 0.5 (100%)
- **Melting point/freezing point:** Not determined
- **Initial boiling point and boiling range:** Not determined
- **Flash point:** Not determined
- **Evaporation rate:** Not determined
- **Flammability (solid, gas):** n.a.
- **Lower explosive limit:** Not determined
- **Upper explosive limit:** Not determined
- **Vapour pressure:** Not determined
- **Vapour density (air = 1):** Not determined
- **Density:** 1.07 g/ml (20°C)
- **Bulk density:** n.a.
- **Solubility(ies):** Not determined
- **Water solubility:** Mixable
- **Partition coefficient (n-octanol/water):** Not determined
- **Auto-ignition temperature:** Not determined
- **Decomposition temperature:** Not determined
- **Viscosity:** Not determined
- **Explosive properties:** Product is not explosive.
- **Oxidising properties:** No

**9.2 Other information**

- **Miscibility:** Not determined
- **Fat solubility / solvent:** Not determined
- **Conductivity:** Not determined
- **Surface tension:** Not determined
- **Solvents content:** Not determined

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**
The product has not been tested.

**10.2 Chemical stability**
Stable with proper storage and handling.

**10.3 Possibility of hazardous reactions**
Avoid contact with strong alkalis (exothermic reaction possible).

**10.4 Conditions to avoid**
None known

**10.5 Incompatible materials**
Avoid contact with strong alkalis.
Avoid contact with strong oxidizing agents.
Avoid contact with acid sensitive materials.
Nitrites

**10.6 Hazardous decomposition products**
See also Subsection 10.1 to 10.5.
See also section 5.2

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**
Possibly more information on health effects, see Section 2.1 (classification).
<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td>Rabbit</td>
<td></td>
<td></td>
<td></td>
<td>OECD 404 (Acute Dermal Irritation/Corrosion)</td>
<td>Irritant</td>
</tr>
<tr>
<td>Serious eye damage/irritation:</td>
<td>Rabbit</td>
<td></td>
<td></td>
<td></td>
<td>OECD 405 (Acute Eye Irritation/Corrosion)</td>
<td>Irritant(IUCLID)</td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
<td>Salmonella typhimurium</td>
<td></td>
<td></td>
<td></td>
<td>OECD 471 (Bacterial Reverse Mutation Test)</td>
<td>Negative(IUCLID)</td>
</tr>
<tr>
<td>Specific target organ toxicity -</td>
<td>NOAEL 1000</td>
<td>mg/kg</td>
<td>Rat</td>
<td></td>
<td></td>
<td>respiratory distress, coughing, mucous</td>
</tr>
<tr>
<td>repeated exposure (STOT-RE):</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>membrane irritation</td>
</tr>
<tr>
<td>Symptoms:</td>
<td></td>
<td></td>
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<td></td>
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</tbody>
</table>

**Sulphamidic acid**

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
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<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>&gt;2000-2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>References</td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td>Rabbit</td>
<td></td>
<td></td>
<td></td>
<td>References</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/irritation:</td>
<td>Rabbit</td>
<td></td>
<td></td>
<td></td>
<td>References</td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
<td>Salmonella typhimurium</td>
<td></td>
<td></td>
<td></td>
<td>References</td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity -</td>
<td>NOAEL 1000</td>
<td>mg/kg</td>
<td>Rat</td>
<td></td>
<td></td>
<td>respiratory distress, coughing, mucous</td>
</tr>
<tr>
<td>repeated exposure (STOT-RE):</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>membrane irritation</td>
</tr>
<tr>
<td>Symptoms:</td>
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<td></td>
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**Isotridecanol, ethoxylated**

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
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<td>Rat</td>
<td>References</td>
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<td>Rabbit</td>
<td></td>
<td></td>
<td></td>
<td>References</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/irritation:</td>
<td>Rabbit</td>
<td></td>
<td></td>
<td></td>
<td>References</td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
<td>Guinea pig</td>
<td></td>
<td></td>
<td></td>
<td>References</td>
<td></td>
</tr>
</tbody>
</table>

**Notes**: n.d.a. = not determined applicable, OECD = Organisation for Economic Co-operation and Development, IUCLID = Initiatives for the Use of Chemicals in Life Sciences and Industry.
### SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

<table>
<thead>
<tr>
<th>MILIZID</th>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2.</td>
<td>Persistence and degradability:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>The surfactant(s) contained in this mixture complies 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.</td>
</tr>
<tr>
<td>12.5.</td>
<td>Results of PBT and vPvB assessment</td>
<td></td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>
12.6. Other adverse effects:

<table>
<thead>
<tr>
<th>Other information:</th>
<th>n.d.a.</th>
</tr>
</thead>
</table>

12.1. Toxicity to fish:

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50</td>
<td>96h</td>
<td>70,3</td>
<td>mg/l</td>
<td>Pimephales promelas</td>
<td>OECD 203 (Fish, Acute Toxicity Test)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.1. Toxicity to daphnia:

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50</td>
<td>48h</td>
<td>71,6</td>
<td>mg/l</td>
<td>Daphnia magna</td>
<td>OECD 202 (Daphnia sp. Acute Immobilisation Test)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.1. Toxicity to algae:

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IC50</td>
<td>72h</td>
<td>&gt;29</td>
<td>mg/l</td>
<td>Chlorella vulgaris</td>
<td>OECD 203 (Alga, Growth Inhibition Test)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability:

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence</td>
<td>28d</td>
<td>&gt;70</td>
<td>%</td>
<td>OECD 301A (Ready Biodegradability - DOC Die-Away Test)</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Sulphamidic acid

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to fish:</td>
<td>LC50</td>
<td>96h</td>
<td>70,3</td>
<td>mg/l</td>
<td>Pimephales promelas</td>
<td>OECD 203 (Fish, Acute Toxicity Test)</td>
<td></td>
</tr>
<tr>
<td>Toxicity to daphnia:</td>
<td>EC50</td>
<td>48h</td>
<td>71,6</td>
<td>mg/l</td>
<td>Daphnia magna</td>
<td>OECD 202 (Daphnia sp. Acute Immobilisation Test)</td>
<td></td>
</tr>
<tr>
<td>Toxicity to algae:</td>
<td>IC50</td>
<td>72h</td>
<td>&gt;29</td>
<td>mg/l</td>
<td>Chlorella vulgaris</td>
<td>OECD 203 (Alga, Growth Inhibition Test)</td>
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</tbody>
</table>

Isotridecanol, ethoxylated

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
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<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to fish:</td>
<td>LC50</td>
<td>96h</td>
<td>10-100</td>
<td>mg/l</td>
<td>Brachydanio rerio</td>
<td>OECD 203 (Fish, Acute Toxicity Test)</td>
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</tr>
<tr>
<td>Toxicity to daphnia:</td>
<td>EC50</td>
<td>48h</td>
<td>&gt;1-10</td>
<td>mg/l</td>
<td>Daphnia magna</td>
<td>OECD 202 (Daphnia sp. Acute Immobilisation Test)</td>
<td></td>
</tr>
</tbody>
</table>

References

12.2. Persistence and degradability:

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence</td>
<td>28d</td>
<td>&gt;70</td>
<td>%</td>
<td>OECD 301A (Ready Biodegradability - DOC Die-Away Test)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MILIZID

12.2. Persistence and degradability:

<table>
<thead>
<tr>
<th></th>
<th>28d</th>
<th>&gt;60 %</th>
<th>OECD 301 B (Ready Biodegradability - CO2 Evolution Test)</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.4. Mobility in soil:

<table>
<thead>
<tr>
<th></th>
<th>Koc</th>
<th>&gt;5000</th>
<th>Adsorption in ground.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.4. Mobility in soil:

<table>
<thead>
<tr>
<th>J</th>
<th>Kow</th>
<th>&gt;5000</th>
<th>Adsorption in ground.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Toxicity to bacteria:

<table>
<thead>
<tr>
<th></th>
<th>EC50</th>
<th>140 mg/l</th>
<th>activated sludge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>ISO 10712</td>
</tr>
</tbody>
</table>

Toxicity to bacteria:

<table>
<thead>
<tr>
<th></th>
<th>EC50</th>
<th>&gt;10000 mg/l</th>
<th>Pseudomonas putida</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>ISO 10712</td>
</tr>
</tbody>
</table>

Other organisms:

<table>
<thead>
<tr>
<th></th>
<th>NOEC/NOEL</th>
<th>10 mg/kg</th>
<th>OECD 208 (Terrestrial Plants, Growth Test)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Toxicity to annelids:

<table>
<thead>
<tr>
<th></th>
<th>LC50</th>
<th>&gt;1000 mg/kg</th>
<th>Eisenia fetida</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>OECD 207 (Earthworm, Acute Toxicity Tests)</td>
</tr>
</tbody>
</table>

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:
The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

20 01 29 detergents containing hazardous substances
Recommendation:
Sewage disposal shall be discouraged.
Pay attention to local and national official regulations.
E.g. suitable incineration plant.
E.g. dispose at suitable refuse site.

For contaminated packing material
Pay attention to local and national official regulations.
Empty container completely.
Uncontaminated packaging can be recycled.
Dispose of packaging that cannot be cleaned in the same manner as the substance.

15 01 02 plastic packaging

SECTION 14: Transport information

General statements

14.1. UN number: 3264

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:
UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHAMIC ACID)

14.3. Transport hazard class(es): 8

14.4. Packing group: III

Classification code: C1

LQ: 5 L

14.5. Environmental hazards: Not applicable

Tunnel restriction code: E

Transport by sea (IMDG-code)

14.2. UN proper shipping name:
CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHAMIC ACID)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
EmS: F-A, S-B
Marine Pollutant: n.a
14.5. Environmental hazards: Not applicable

Transport by air (IATA)
14.2. UN proper shipping name:
Corrosive liquid, acidic, inorganic, n.o.s. (SULPHAMIC ACID)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
14.5. Environmental hazards: Not applicable
14.6. Special precautions for user
Persons employed in transporting dangerous goods must be trained.
All persons involved in transporting must observe safety regulations.
Precautions must be taken to prevent damage.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Freighted as packaged goods rather than in bulk, therefore not applicable.
Minimum amount regulations have not been taken into account.
Danger code and packing code on request.
Comply with special provisions.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Observe restrictions:
Comply with trade association/occupational health regulations.
Directive 2010/75/EU (VOC): 0,37 %
REGULATION (EC) No 648/2004
less than 5 %
non-ionic surfactants
perfumes

15.2 Chemical safety assessment
A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: n.a.
Employee training in handling dangerous goods is required.
These details refer to the product as it is delivered.
Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

<table>
<thead>
<tr>
<th>Classification in accordance with regulation (EC) No. 1272/2008 (CLP)</th>
<th>Evaluation method used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2, H319</td>
<td>Classification based on toxicological analyses.</td>
</tr>
<tr>
<td>Skin Irrit. 2, H315</td>
<td>Classification according to calculation procedure.</td>
</tr>
</tbody>
</table>

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Eye Irrit. — Eye irritation
Skin Irrit. — Skin irritation
Aquatic Chronic — Hazardous to the aquatic environment - chronic
Acute Tox. — Acute toxicity - oral
Eye Dam. — Serious eye damage

Any abbreviations and acronyms used in this document:

AC Article Categories
acc., acc. to according, according to
ACGIHAmerican Conference of Governmental Industrial Hygienists
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOEL Acceptable Operator Exposure Level
AOX Adsorbable organic halogen compounds
approx. approximately
Art., Art. no. Article number
ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
BCF Bioconcentration factor
BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)
BMGV Biological monitoring guidance value (EH40, UK)
BOD Biochemical oxygen demand
BSEF Bromine Science and Environmental Forum
bw body weight
CAS Chemical Abstracts Service
EC European Community
ECHA European Chemicals Agency
EEA European Economic Area
EEC European Economic Community
EINECS European Inventory of Existing Commercial Chemical Substances
ELINCS European List of Notified Chemical Substances
EN European Norms
EPA United States Environmental Protection Agency (United States of America)
ERC Environmental Release Categories
ES Exposure scenario
e.t.c. et cetera
EU European Union
EWC European Waste Catalogue
The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:
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