1. Substance/preparation and company identification

Watch Liquid Softener

Use: Complexing Agents

Company:

Watch GmbH
Bohnenbergerstraße 6
D-68219 Mannheim
Phone: +49 (0) 621 879510
Fax: +49 (0) 621 8795199
Email: info@watchwater.de
Internet: www.watchwater.de

Informations: Phone. +49 (0) 621-879510

Emergency information: Toxic information center: Mainz (Germany) +49(0) 6131-19240

2. Composition/information on ingredients

Chemical nature

Alanine, N,N-bis(carboxymethyl)-, trisodium salt, Solution

3. Hazard identification

No particular hazards known.

4. First-aid measures

General advice:
Remove contaminated clothing.

If inhaled:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:
Wash thoroughly with soap and water.

On contact with eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.
On ingestion:
Rinse mouth and then drink plenty of water.

Note to physician:
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Suitable extinguishing media:
water spray, dry extinguishing media, foam, carbon dioxide

Specific hazards:
Harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:
Use personal protective clothing.

Environmental precautions:
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:
For large amounts: Pump off product.
For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. Handling and storage

Handling
No special measures necessary provided product is used correctly.

Protection against fire and explosion:
No special precautions necessary.

Storage
Further information on storage conditions: Keep container tightly closed and in a cool place.
8. Exposure controls and personal protection

Personal protective equipment
Respiratory protection:
Respiratory protection in case of vapour/aerosol release.

Hand protection:
Chemical resistant protective gloves (EN 374)
e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other
Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:
Safety glasses with side-shields (frame goggles) (EN 166)

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing
is recommended.

9. Physical and chemical properties

Form: liquid
Colour: yellowish
Odour: product specific

pH-value: 10 - 12
(10 g/l, 23 °C) (DIN 19268)

Thickening point: ca. -45 °C (DIN/ISO 3013)
Boiling point: ca. 100 °C
(1.013 hPa)

Flash point: > 100 °C (DIN 51758)
Ignition temperature: > 200 °C (DIN 51794)

Explosion hazard: Not explosive

Density: 1.29 - 1.33 g/cm³
(20 °C) (DIN 51757)

Partitioning coefficient n-octanol/water (log Pow): -2.0

Vixcoxity, dynamic: approx. 25 mPa.s
(23 °C) (DIN 53018)
10. Stability and reactivity

Corrosion to metals: Corrosive effect on:
Aluminium

Hazardous reactions:
No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological information

LD50/oral/rat: > 2.000 mg/kg
LD50/dermal/rat: > 2.000 mg/kg
Primary skin irritation/rabbit: non-irritant. (OECD-Richtlinie 404)
Primary irritations of the mucous membrane/rabbit: non-irritant. (OECD-Richtlinie 405)
Sensitization/Guinea pig maximization test: no sensitizing effect.

Additional information:
The statements are based on the properties of the individual components.

12. Ecological information

Ecotoxicity
Toxicity to fish:
Brachydanio rerio/LC50 (96 h): > 100 mg/l

Aquatic invertebrates:
EC50 (48 h): > 100 mg/l
Microorganisms/Effect on activated sludge:
DIN 38412 Part 8
EC10 (16 h): 10 mg/l
Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Persistence and degradability

Elimination information

<table>
<thead>
<tr>
<th>Test method</th>
<th>OECD 301C; ISO 9408; 92/69/EWG, C.4-F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Method of analysis</td>
<td>DOC reduction</td>
</tr>
<tr>
<td>Degree of elimination</td>
<td>&gt; 90 %</td>
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<tr>
<td>Evaluation</td>
<td>Readily biodegradable</td>
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<td>DOC reduction</td>
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<tr>
<td>Degree of elimination</td>
<td>90 - 100 % (14 d)</td>
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<tr>
<td>Evaluation</td>
<td>Readily biodegradable</td>
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<thead>
<tr>
<th>Test method</th>
<th>OECD 301F; ISO 9408; 92/69/EWG, C.4-D</th>
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<tbody>
<tr>
<td>Method of elimination</td>
<td>BSB of CSB</td>
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<tr>
<td>Degree of elimination</td>
<td>89 %</td>
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<tr>
<td>Evaluation</td>
<td>Based on OECD criteria the product is readily biodegradable</td>
</tr>
</tbody>
</table>

Bioaccumulation potential

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Additional information

Other ecotoxicological advice:
Do not release untreated into natural waters.
The product has not been tested. The information is derived from the properties of the individual components.

13. Disposal considerations

Must be dumped or incinerated in accordance with local regulations.
Contaminated packaging:
Uncontaminated packs can be re-used.
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

### 14. Transport information

<table>
<thead>
<tr>
<th>Land transport</th>
<th>Class</th>
<th>Packaging group</th>
<th>Substance no.</th>
<th>Designation of goods</th>
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<tr>
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<td>8</td>
<td>III</td>
<td>3267</td>
<td>CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Contains: 1-METHYLGLYCIN-N,N-DIACETIC ACID NA3-SALT) CORROSIVE ON METALS</td>
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<tr>
<th>Inland waterway transport</th>
<th>Class</th>
<th>Item/Letter</th>
<th>Packaging group</th>
<th>Substance no.</th>
<th>Designation of goods</th>
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### 15. Regulatory information

**Regulations of the European union (Labeling) / National legislation/Regulations**


The product does not require a hazard warning label in accordance with EC Directives.

**Other regulations**

Classification according to VbF (Germany): non

Water hazard class (Annex 4 of VwVwS (Germany) from 17th May 1999): (1) Low hazardous to water
16. Other Information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.