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easy to do. Continue rinsing. Consult physician immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).
Immediately get medical attention.
Put victim at rest, cover with a blanket and keep warm.
Do not induce vomiting.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

alcohol resistant foam. Carbon dioxide. Powder. Water fog.

Extinguishing media which must not be used for safety reasons

High power water jet.

5.2. Special hazards arising from the substance or mixture

Burning produces large quantities of soot.
Danger of serious damage to health by prolonged exposure.
Use appropriate respiratory protection.

5.3. Advice for firefighters

Use water spray/stream to protect personnel and to cool endangered containers.
Do not allow water used to extinguish fire to enter drains or waterways.

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

Avoid breathing dust/fume/gas/mist/vapours/spray.
See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.
In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

6.3. Methods and material for containment and cleaning up

Prevent spreading over great surfaces (e.g. by damming or installing oil booms). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Collect in closed containers for disposal.
Clean with detergents. Avoid solvent cleaners.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin, eye and clothing. Avoid breathing dust/fume/gas/mist/vapours/spray. When using do not eat, drink or smoke. Wear personal protection equipment.

Never use pressure to empty container. Keep/Store only in original container.

Do not empty into drains or the aquatic environment.

7.2. Conditions for safe storage, including any incompatibilities**Advice on storage compatibility**

Do not store together with: Oxidizing agents. Strong acid, strong alkalis

Further information on storage conditions

storage temperature: ___ °C

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Keep container tightly closed and in a well-ventilated place. Keep container dry.
When using do not smoke.
Access is only to be granted to authorised personal.
Always close containers tightly after the removal of product.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls****Occupational exposure controls**

Provide adequate ventilation.

In case of open handling, use devices with built-in suction where possible.

Respiratory protection

not applicable

Hand protection

Suitable material:

In case of prolonged or frequently repeated skin contact: ____

penetration time (maximum wearing period): ____

See information supplied by the manufacturer.

Protective gloves have to be replaced at the first sign of deterioration.

Protect skin by using skin protective cream.

Eye protection

Wear eye/face protection.

Skin protection

not applicable

Environmental exposure controls

Do not empty into drains or the aquatic environment.

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

Physical state:	liquid
Colour:	brown
Odour:	characteristic

	Test method
pH-Value (at 20 °C):	8,5

Changes in the physical state

Melting point: 0 °C

Boiling point: 100 °C

Flash point: No data available DIN 53213

Flammability

Solid: not applicable

Gas: not applicable

Explosive properties

irrelevant

Lower explosion limits:

Upper explosion limits:

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Ignition temperature: not applicable

Auto-ignition temperature

Solid: irrelevant

Gas: irrelevant

Oxidizing properties

Not oxidizing.

Vapour pressure: No data available

Density (at 20 °C): 1,14 g/cm³ DIN 53217

Bulk density: not applicable

Water solubility: complete miscible

Flow time:
(at 23 °C) 10 - 15 4 DIN 53211

Solvent separation test: <3 % (ADR/RID)

9.2. Other information**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reactions when handling and storage.

10.2. Chemical stability

No decomposition if stored and handled correctly.

10.3. Possibility of hazardous reactions

Exothermic reactions with: Oxidizing agents. Strong acid, strong alkalis

10.4. Conditions to avoid

In case of warming: Thermal decomposition.

10.6. Hazardous decomposition productsCarbon monoxide. Carbon dioxide. Nitrogen oxides (NO_x).**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**Acute toxicity, oral
LD50: > 2000 mg/kg
OECD 401
species: Rat.**Irritation and corrosivity**Irritant effect on the eye: Not an irritant.
species: Rabbit.
Method: OECD 405**Sensitising effects**species: Guinea-pig.
Method: OECD 406.
Evaluation: no danger of sensitization.**Empirical data on effects on humans**Following eye contact:
Irritating to eyes. (reversible.)
Ames test negative.**Further information**

There are no data available on the preparation/mixture itself.

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The preparation is not dangerous in the sense of Directive 1999/45/EC.
Data apply to technical substance.

SECTION 12: Ecological information**12.1. Toxicity**

Aquatic toxicity
EC50:
Exposure time: 48 h
species: *Pseudomonas putida*
> 10000 mg/kg

EC50:
Exposure time: 48 h
species: *Daphnia magna*
> 200 mg/l

LC50:
Exposure time: 96 h
species: *Brachydanio rerio* (zebrafish)
> 1000 mg/l

12.2. Persistence and degradability

> 70 %
OECD 302B / ISO 9888 / EEC 88/302 annex V, C.9

12.3. Bioaccumulative potential

No information available.

Further information

There are no data available on the preparation/mixture itself.
Do not empty into drains or the aquatic environment.
Ecological information refers to active component.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Do not empty into drains or the aquatic environment.
Remove according to the regulations.

Contaminated packaging

Completely emptied packings can be re-cycled.
Remove according to the regulations.

SECTION 14: Transport information**Land transport (ADR/RID)**

- 14.1. UN number:** -
14.2. UN proper shipping name: -
14.3. Transport hazard class(es): -
14.4. Packing group: -

Other applicable information (land transport)

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

- 14.1. UN number:** -

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14.2. UN proper shipping name: -**14.3. Transport hazard class(es):** -**14.4. Packing group:** -**Other applicable information (inland waterways transport)**

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)**14.1. UN number:** -**14.2. UN proper shipping name:** -**14.3. Transport hazard class(es):** -**14.4. Packing group:** -**Other applicable information (marine transport)**

No dangerous good in sense of this transport regulation.

Air transport (ICAO)**14.1. UN number:** -**14.2. UN proper shipping name:** -**14.3. Transport hazard class(es):** -**14.4. Packing group:** -**Other applicable information (air transport)**

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

Dangerous for the environment: no

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****SECTION 16: Other information****Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)