

1. Identification

2. Hazard(s) identification

Acute hazards to the aquatic environment

Category 1

Chronic hazards to the aquatic environment

Category 1

Label Elements

Hazard Symbol:



Signal Word:

DangerDanger

Hazard Statement:

May be harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.
Causes damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.May be harmful if swallowed or in contact with skin.
Causes skin irritation.
Causes serious eye damage.
Causes damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.
Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention:

Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/eye protection/face protection.Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/eye protection/face protection.

Response:

Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Collect spillage. Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Get medical advice/attention if you feel unwell. Collect spillage.

Disposal:

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product

Other hazards: None known.

Chemical name:

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Amines, N-C10-16-alkyltrimethylenedi-, reaction products with chloroacetic acid	No data available.	139734-65-9	20%
Amines, N-C10-16-alkyltrimethylenedi-, reaction products with chloroacetic acid	No data available.	139734-65-9	20%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Description of necessary first-aid measures

General information: Remove contaminated or soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid

Inhalation: Ensure supply of fresh air.

Skin Contact: Flush with plenty of water. Consult a doctor if skin irritation persists.

Eye contact: In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

Ingestion: Call for medical advice immediately; show the container or the label.

Personal Protection for First-aid Responders:	Do not inhale explosion and/or combustion gases, Use self-contained breathing apparatus and wear protective suit
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Most important symptoms/effects, acute and delayed

Symptoms: No information is on file to date regarding acute and/or delayed post-exposure symptoms and effects.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-fighting measures

General Fire Hazards: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Suitable (and unsuitable) extinguishing media

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

Unsuitable extinguishing media: High volume water jet.

Specific hazards arising from the chemical: In the event of fire the following can be released: - carbon dioxide, carbon monoxide - Nitrogen oxides (NOx) Under certain conditions of combustion traces of other toxic substances cannot be excluded

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No specific precautions.

Special protective equipment for fire-fighters: Do not inhale explosion and/or combustion gases Use self-contained breathing apparatus and wear protective suit

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

Methods and material for containment and cleaning up: Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.

Environmental Precautions: Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): No data available.

Safe handling advice: Avoid contact with skin and eyes. Avoid breathing dust/mist/vapors. Ensure adequate ventilation.

Contact avoidance measures: No data available.

Hygiene measures: Do not eat, drink or smoke when working. Wash hands before breaks and immediately after handling the product. Do not wear contaminated clothing.

Storage

Safe storage conditions: Keep container tightly closed. Precautions to be observed for storage of hazardous substances: TRGS 510 "Storage of Hazardous Substances in Movable Containers".

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.
 Observe national threshold limit values.
 None of the components have assigned exposure limits.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

General information: No data available.

Eyel/face protection: Protective goggles; wear additional face protection if risk is increased.

Skin Protection

Hand Protection:

Material: gloves made of natural latex
 Break-through time: > 480 min
 Material: gloves made of natural latex
 Break-through time: > 480 min
 Material: gloves made of chloroprene (CR, e.g. Neoprene)
 Break-through time: > 480 min
 Material: gloves made of nitril (NBR)
 Break-through time: > 480 min
 Material: gloves made of butyl (IIR)
 Break-through time: > 480 min

Other: light protective clothing

Respiratory Protection:	in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2
Hygiene measures:	Do not eat, drink or smoke when working. Wash hands before breaks and immediately after handling the product. Do not wear contaminated clothing.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	yellowish
Odor:	faint inherent odour
Odor Threshold:	not measured
pH:	7,5 - 8,5 (20 °C) delivered form 7,8 - 8,8 (5 g/l, 20 °C) Water.
Freezing point:	< 0 °C
Boiling Point:	Approximate 100 °C
Flash Point:	Not applicable
Evaporation Rate:	not measured
Flammability (solid, gas):	No data available.

Explosive limit - upper:	Not applicable
Explosive limit - lower:	Not applicable
Vapor pressure:	not measured
Relative vapor density:	not measured
Density:	0,993 - 1,003 g/cm ³ (20 °C)
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	Soluble
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Self Ignition Temperature:	not measured
Decomposition Temperature:	not measured
Kinematic viscosity:	No data available.
Dynamic viscosity:	<= 30 mPa.s (20 °C)

Other information

Explosive properties:	not measured
Oxidizing properties:	not measured
Minimum ignition temperature:	Not applicable
Metal Corrosion:	not measured

10. Stability and reactivity

Reactivity:	see section "Possibility of hazardous reactions".
Chemical Stability:	The product is stable under normal conditions.
Possibility of hazardous reactions:	No hazardous reactions with proper storage and handling.
Conditions to avoid:	Unknown
Incompatible Materials:	Unknown
Hazardous Decomposition Products:	None with proper storage and handling.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product:	LD 50 (Rat): 3.783 mg/kg (OECD 401)
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Dermal

Product:	LD 50 (Rat): > 2.000 mg/kg (OECD 402)
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Inhalation

Product:	No data available. Not classified for acute toxicity based on available data.
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Repeated dose toxicity

Product:	NOAEL (Mouse(male), Oral, 78 Weeks, daily): mg/kg bw/day No observed adverse effect level (Mouse(male), Oral, 78 Weeks, daily): 2 Values refer to
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the main component.
 NOAEL (Rat(male and female), pharyngeal probe, daily): mg/kg bw/day No
 observed adverse effect level (Rat(male and female), pharyngeal probe,
 daily): 2,5 Values refer to the main component.

Skin Corrosion/Irritation

Irritating.

Product:

OECD 404 (Rabbit): Irritating.

Serious Eye Damage/Eye Irritation

Corrosive

Product:

OECD 405 (Rabbit): Corrosive

Respiratory or Skin Sensitization

Did not cause sensitisation on laboratory animals.

Product:

, OECD 406 (Guinea Pig)non-sensitizing
 tested as 0.5 % solution

Carcinogenicity
Product:

No data available. OralOral

Germ Cell Mutagenicity
In vitro
Product:

Ames test (OECD 471): negative;
 Chromosomal aberration (OECD 473): negative;
 HGPRT-Test (OECD 476): negative;

In vivo
Product:

No data available.

Reproductive toxicity
Product:

No data available. oral (gavage)

Specific Target Organ Toxicity - Single Exposure
Product:

No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product:

No data available.

Aspiration Hazard
Product:

Not classified

Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: LC 50 (Oncorhynchus mykiss, 96 h): 1,037 mg/l Ecotoxicological investigations on the product.

Aquatic Invertebrates

Product: EC 50 (Daphnia magna, 48 h): 0,1665 mg/l Ecotoxicological investigations on the product.

Toxicity to Aquatic Plants

Product: ErC50 (Algae (Pseudokirchneriella subcapitata), 72 h): 0,185 mg/l (OECD 201) Ecotoxicological investigations on the product.

Toxicity to microorganisms

Product: EC 50 (activated sludge, 3 h): 280 mg/l (OECD 209)

Chronic hazards to the aquatic environment:

Fish

Product: NOEC (Oncorhynchus mykiss, 28 d): $\geq 0,26$ mg/l Ecotoxicological investigations on the product.

Aquatic Invertebrates

Product: NOEC (Daphnia magna, 21 day): 0,0115 mg/l Ecotoxicological investigations on the product.

Toxicity to Aquatic Plants

Product: NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): 0,04775 mg/l (OECD 201) Ecotoxicological investigations on the product.

Toxicity to microorganisms

Product: No data available.

Persistence and Degradability

Biodegradation

Product: aerobic (28 d, OECD 301 A): 94 % Readily biodegradable
 anaerobic (60 d, OECD 311): 0 % Not readily degradable.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Product: No data available.

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

Product: Log K_{ow}: not measured

Mobility in soil:

Product: No data available.

Other adverse effects: Do not allow to enter soil, waterways or waste water canal. The product is classified as highly hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters (WwSV).

13. Disposal considerations

Disposal methods: Mix with flammable liquids. In accordance with local authority regulations, take to special waste incineration plant

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. Transport information

International Regulations

IATA-DGR

UN/ID No.	: UN 3082
Proper shipping name	: Environmentally hazardous substance, liquid, n.o.s. (amphoteric surfactant)
Class	: 9
Packing group	: III
Labels	: 9MI
Packing instruction (cargo aircraft)	: 964
Packing instruction (passenger aircraft)	: 964
Environmentally hazardous	: yes

IMDG-Code

UN number	: UN 3082
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (amphoteric surfactant)
Class	: 9
Packing group	: III
Labels	: 9
EmS Code	: F-A, S-F
Marine pollutant	: yes
Remarks	: Stowage category A

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. Regulatory information

16. Other information, including date of preparation or last revision**Issue Date:** 23.10.2020**Version #:** 1.0**Further Information:** Observe employment restrictions for young persons. Observe employment restrictions for child bearing mothers and nursing mothers. Observe employment restrictions for women in child bearing age.**Revision Information:** Changes since the last version are highlighted in the margin. This version replaces all previous versions.**Disclaimer:** This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.