

Safety data sheet

Revision: 01-12-2014
Replaces: 28-07-2014
Version: 03.00/GBR

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

1.1. Product identifier

Trade name: Klarpool

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

Recommended uses: Disinfection agent Use biocides safely. Always read the label and product information before use. This safety data sheet contains general information concerning the chemical, but specific instructions and guidelines are indicated on the product label and in the instructions for use.

1.3. Details of the supplier of the safety data sheet

Supplier: Swim & Fun Scandinavia ApS
Fagerholtvej 12
4050 Skibby
Denmark
Tel: +45 70226856
Fax: +45 70226859
Email: cl@swim-fun.dk

1.4. Emergency telephone number

0870 600 6266 (UK only) Only available to health professionals.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

DPD-classification (Directive 1999/45/EC): N;R50/53

CLP-classification (Regulation (EC) No 1272/2008): Aquatic Chronic 1;H410 Aquatic Acute 1; H400

Please see section 16 for the full text of R-phrases and H-phrases.

Most serious harmful effects: Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. May cause slight irritation to the skin and eyes.

2.2. Label elements



Signal word: Warning

Contains: Methanamine, N-methyl-, Polymer with (chloromethyl)oxirane 2,5-10 g/100 ml

H-phrases: Very toxic to aquatic life with long lasting effects.(H410)
P-phrases: Avoid release to the environment.(P273)
Collect spillage.(P391)
Dispose of contents/container in accordance with local regulation.(P501-A)

2.3. Other hazards

Assessment to determine PBT and vPvB has not been made.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Registration number	CAS/EC Number	Substance	DSD-classification (Directive 67/548/EEC)/ CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	25988-97-0-A	Methanamine, N-methyl-, Polymer with (chloromethyl)oxirane	Xn; R22 N;R50/53 Acute Tox. 4;H302 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	<10	.
.
.

Please see section 16 for the full text of R-phrases and H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin: Remove contaminated clothing. Wash the skin with water. Seek medical advice in case of persistent discomfort.
Eyes: Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Other information: When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

May cause slight irritation to the skin and eyes.

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

No special immediate treatment required. Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.
Unsuitable extinguishing media Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product decomposes when combusted and the following toxic gases can be formed:
Carbon monoxide and carbon dioxide/ Nitrous gases/ HCl.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Stop leak if this can be done without risk. Wear gloves. Wear safety goggles if there is a risk of eye splash.
For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Avoid direct sunlight. Store frost-free.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Legal basis: EH40/2005 Workplace exposure limits. Last amended December 2011.

Contains no substances subject to reporting requirements.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Plastic or rubber gloves recommended. Gloves must conform to EN 374. Breakthrough time has not been determined for the product. Change gloves often.

Personal protective equipment, respiratory protection: Not required.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid
Colour: Light green
Odour: Characteristic
Odour threshold: No data
pH (solution for use): No data
pH (concentrate): 7
Melting point/freezing point: No data
Initial boiling point and boiling range: 100°C
Flash point: No data
Evaporation rate: No data
Flammability (solid, gas): No data
Upper/lower flammability limits: No data
Upper/lower explosive limits: No data
Vapour pressure: 23 hPa (20°C)
Vapour density: No data
Relative density: 1,027
Solubility: Miscible with the following: Water.
Partition coefficient n-octanol/water: No data
Auto-ignition temperature: No data
Decomposition temperature: No data
Viscosity: No data
Explosive properties: No data
Oxidising properties: No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity	Not reactive.
10.2. Chemical stability	The product is stable when used in accordance with the supplier's directions.
10.3. Possibility of hazardous reactions	None known.
10.4. Conditions to avoid	None known.
10.5. Incompatible materials	None known.
10.6. Hazardous decomposition products	The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Carbon monoxide and carbon dioxide/ Nitrous gases/ HCl.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. 25988-97-0-A: Rat: LD50 = 1672 mg/kg
Acute toxicity - dermal:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. 25988-97-0-A: Rabbit: LD50 >2000 mg/kg
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	May cause slight irritation. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	Temporary irritation. The product does not have to be classified. Test data are not available.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

SECTION 12: Ecological information

12.1. Toxicity

	Very toxic to aquatic life with long lasting effects.
Acute toxicity:	25988-97-0-A: Fish: <i>Oncorhynchus mykiss</i> : 96hLC50 = 0,077 mg/l Crustacea: <i>Daphnia magna</i> : 48hEC50 = 0,084 mg/kg Algae: <i>Scenedesmus subspicatus</i> : 72hEC50 = 0,18 mg/l

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Do not discharge large quantities of concentrated spills and residue into drains. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC code: Depends on line of business and use, for instance 16 05 08 discarded organic chemicals consisting of or containing dangerous substances

Absorbent/cloth contaminated with the product:

EWC code: 15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

SECTION 14: Transport information

ADR/RID

14.1. UN number

3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polymeric quaternary ammonium chloride)

14.3. Transport hazard class(es)

9

14.4. Packing group

III

Hazard identification number

90

Tunnel restriction code:

E

14.5. Environmental hazards

The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.

ADN

14.1. UN number

3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polymeric quaternary ammonium chloride)

14.3. Transport hazard class(es)

9

14.4. Packing group

III

14.5. Environmental hazards

The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.

Transport in tank vessels:

-

IMDG

14.1. UN number

3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polymeric quaternary ammonium chloride)

14.3. Transport hazard class(es)

9

14.4. Packing group

III

14.5. Environmental hazards

The product must be labelled as a Marine Pollutant (MP) in packaging sizes of more than 5 kg/l.

IMDG Code segregation group:

-

ICAO/IATA

14.1. UN number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polymeric quaternary ammonium chloride)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.6. Special precautions for user	None.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

Covered by: Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Special provisions: Directive 2012/18/EU (Seveso), E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1: Column 2: 100 t, Column 3: 200 t.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Changes have been made in the following sections: 2,3

Abbreviation explanations:

PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity

Classification method:

Calculation based on the hazards of the known components.

R-phrases:

R22 Harmful if swallowed.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H-phrases:

H302 Harmful if swallowed.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Training:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.