

Microcide and Algaecide

SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Microcide and Algaecide
- Product Part Number: 028

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

- Use of the substance/mixture: Pool / spa treatment; Biocide
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Deep Blue Pool Supplies
Address of Supplier: Box 8899
Hermitage,
Corsham,
SN13 8DT

Telephone: +44 (0) 3330 907094

Email: help@deepbluepoolsupplies.co.uk

1.4 Emergency telephone number

- Emergency Telephone: 0800 043 0891 (technical)
0800 043 0892 (emergency)
-

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Aquatic Acute 1, H400;
Aquatic Chronic 1, H410
- Additional information: For full text of Hazard and EU Hazard statements: see section 16

2.2 Label elements



GHS09

- Signal Word: Warning

SAFETY DATA SHEET - Microcide and Algaecide

- Symbols: GHS09
- Hazard statements
 - H410 - Very toxic to aquatic life with long lasting effects.
- Precautionary statements
 - P273 - Avoid release to the environment.
 - P391 - Collect spillage.
 - P501 - Dispose of contents/container to an authorised waste collection point
- Supplemental Hazard Information (EU)

SECTION 2: Hazards identification (....)

Use biocides safely. Always read the label and product information before use.

2.3 Other hazards

- Marine pollutant
 - Not a PBT according to REACH Annex XIII
 - Not a vPvB according to REACH Annex XIII
-

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

- Methanamine, N-methyl-, polymer with 2-(chloromethyl) oxirane;
Epichlorohydrin-dimethylamine-copolymer
 - Concentration: 10-30%
 - CAS Number: 25988-97-0
 - EC Number: 607-843-9
 - Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Acute Tox. 4, H302;
Aquatic Acute 1, H400; Aquatic Chronic 1, H410
-

SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with skin
 - After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water
 - Contaminated clothing should be laundered before reuse
 - If skin irritation or rash occurs: Get medical advice/attention.
- Contact with eyes
 - If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
 - Irrigate eyes thoroughly whilst lifting eyelids
 - Remove contact lenses, if present and easy to do. Continue rinsing.
 - If eye irritation persists: Get medical advice/attention.
- Ingestion
 - Rinse mouth with water (do not swallow)

SAFETY DATA SHEET - Microcide and Algaecide

Never give anything by mouth to an unconscious person Do not induce vomiting unless directed by medical personnel. Get medical advice/attention.

- Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, oxygen should be given by a trained person Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes

May cause redness and irritation

- Contact with skin

May cause redness and irritation

SECTION 4: First aid measures (....)

- Ingestion

May cause nausea/vomiting

- Inhalation

May cause respiratory tract irritation.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
-

SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire use extinguishing media appropriate to surrounding conditions. - Use water to cool containers exposed to fire.

5.2 Special hazards arising from the substance or mixture

- Gives off irritating or toxic fumes (or gases) in a fire.

5.3 Advice for firefighters

- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
 - Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions for non-emergency personnel: Wear protective clothing as per section 8; Avoid contact with skin and eyes; Do not breathe dust/fume/gas/mist/vapours/spray; Eyewash bottles should be available; Wash thoroughly after handling.
- Personal precautions for emergency responders: Wear chemical protection suit; Wear self-contained breathing apparatus (SCBA).

6.2 Environmental precautions

SAFETY DATA SHEET - Microcide and Algaecide

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Sweep or shovel-up spillage and remove to a safe place
- Place in appropriate container
- Seal containers and label them
- To be disposed of as hazardous waste

6.4 Reference to other sections

- See section(s): 7, 8 & 13
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Avoid breathing dust/fume/gas/mist/vapours/spray.

SECTION 7: Handling and storage (....)

- Do not get in eyes, on skin, or on clothing.
- Do not eat, drink or smoke when using this product. - Eyewash bottles should be available
- Wash thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Contaminated clothing should be laundered before reuse

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place - Avoid extremes of temperature - Keep container tightly closed.
- Keep in an area equipped with impermeable flooring.
- Keep away from food, drink and animal feedingstuffs
- Keep away from heat and sources of ignition

7.3 Specific end use(s)

- Pool / spa treatment
 - Biocide
-

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- Methanamine, N-methyl-, polymer with 2-(chloromethyl)oxirane;
Epichlorohydrindimethylamine-copolymer
No exposure limits have been set for this substance

8.2 Exposure controls

- Do not eat, drink or smoke when using this product.
 - Engineering controls should be provided to prevent the need for ventilation
 - No respiratory protection is needed during normal handling
 - Wear suitable protective clothing
-

SAFETY DATA SHEET - Microcide and Algaecide

- Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Wear safety glasses approved to standard EN 166.
- Ensure eyewash stations and safety showers are close to hand.



Goggles



Gloves



Suit



No Flames



No Smoking

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid; green
- Odour: No information available
- Odour threshold: No information available
- pH: No information available

SECTION 9: Physical and chemical properties (....)

- Melting point/freezing point: No information available
- Initial boiling point and boiling range: No information available
- Flashpoint: No information available - Evaporation Rate: No information available
- Flammability (solid,gas): No information available
- Upper/lower flammability or explosive limits: No information available
- Vapour Pressure: No information available - Vapour Density: No information available
- Relative Density: 1.041
- Solubility(ies): Soluble in water
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature No information available - Decomposition temperature: No information available
- Viscosity: No information available
- Explosive Properties: No information available
- Oxidising Properties: Not oxidising

9.2 Other information

- None

SECTION 10: Stability and reactivity

10.1 Reactivity

- Stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

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- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Avoid extremes of temperature
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

- Incompatible with strong oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include toxic and irritant fumes
 - Decomposition products may include nitrogen and carbon oxides
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute Toxicity
Based on available data, the classification criteria are not met
- Skin corrosion/irritation
Based on available data, the classification criteria are not met
- Serious eye damage/irritation
Based on available data, the classification criteria are not met

SECTION 11: Toxicological information (....)

- Respiratory or skin sensitisation
Based on available data, the classification criteria are not met
- Germ cell mutagenicity
No evidence of mutagenic effects
- Carcinogenicity
No evidence of carcinogenic effects
- Reproductive toxicity
No evidence of reproductive effects
- Specific target organ toxicity (STOT) - single exposure
Based on available data, the classification criteria are not met
- Specific target organ toxicity (STOT) - repeated exposure
Based on available data, the classification criteria are not met
- Aspiration hazard
Based on available data, the classification criteria are not met
- Contact with eyes
May cause redness and irritation
- Contact with skin
May cause redness and irritation
- Ingestion
The ingestion of significant quantities may cause nausea/vomiting

SAFETY DATA SHEET - Microcide and Algaecide

- Inhalation
May cause respiratory irritation
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SECTION 12: Ecological information

12.1 Toxicity

- Very toxic to aquatic life.
- Very toxic to aquatic life with long lasting effects.
- Classification based on calculation and concentration thresholds
- Methanamine, N-methyl-, polymer with 2-(chloromethyl)oxirane; Epichlorohydrindimethylamine-copolymer
LC50 (Oncorhynchus mykiss) 0.13 mg/l (96 hr)
EC50 (Daphnia magna): 0.13 mg/l (48 hr)
EC50 (aquatic algae) 0.22 mg/l (72 hr)

12.2 Persistence and degradability

- No information available 12.3 Bioaccumulative potential
- No information available

12.4 Mobility in soil

- Do not allow to penetrate the ground/soil.

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Other adverse effects

SECTION 12: Ecological information (....)

- Do not empty into drains
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- This material and/or its container must be disposed of as hazardous waste
- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Do not reuse empty containers without commercial cleaning or reconditioning

13.2 Classification

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.
 - The waste must be identified according to the List of Wastes (2000/532/EC)
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SECTION 14: Transport information

SAFETY DATA SHEET - Microcide and Algaecide

Dangerous Substance ENVIRONMENTALLY HAZARDOUS

14.1 UN number

- UN No.: 3082

14.2 UN proper shipping name

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S (Methanamine, N-methyl-, polymer with 2-(chloromethyl) oxirane)

14.3 Transport hazard class(es)

- Hazard Class: 9

14.4 Packing group

- Packing Group: III

14.5 Environmental hazards

- Marine pollutant

14.6 Special precautions for user

- No special precautions are required for this product

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not applicable
- IMDG UN No.: 3082

14.8 Road/Rail (ADR/RID)

- ADR UN No.: 3082
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S (Methanamine, N-methyl-, polymer with 2-(chloromethyl) oxirane)
- ADR Hazard Class: 9
- ADR Packing Group: III
- Tunnel Code: Not applicable

14.9 Sea (IMDG)

- IMDG UN No.: 3082

SECTION 14: Transport information (....)

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S (Methanamine, N-methyl-, polymer with 2-(chloromethyl) oxirane)
- IMDG Hazard Class: 9
- IMDG Packing Group: III

14.10 Air (ICAO/IATA)

- ICAO UN No.: 3082
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S (Methanamine, N-methyl-, polymer with 2-(chloromethyl) oxirane)
- ICAO Hazard Class: 9
- ICAO Packing Group: III

SECTION 15: Regulatory information

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

Revision: 13/12/2017

SAFETY DATA SHEET - Microcide and Algaecide

- This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe
- The Hazardous Waste (England and Wales) Regulations 2005 apply in the UK
- This product is covered by EU Directive 2012/18/EU (the Seveso III Directive)

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out
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SECTION 16: Other information

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of Deep Blue Pool Supplies limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.

Revision No. 2.0.0. Revised December 2017.

Changes made: Updated to conform to latest version of REACH. Classification as UN 3082 in Section 14.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- Aquatic Acute 1, H400: Classification based on calculation and concentration thresholds
- Aquatic Chronic 1, H410: Classification based on calculation and concentration thresholds

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

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

--- end of safety datasheet ---
