

# WATERCO

water, the liquid of life

## SAFETY DATA SHEET

### AQUACHLOR LONG LIFE ALGAECIDE

Infosafe No.: MTBXW  
Issued Date: 31/12/2013  
Issued by: WATERCO LIMITED

## 1. IDENTIFICATION

### GHS Product Identifier

AQUACHLOR LONG LIFE ALGAECIDE

### Product Code

A69081

### Company Name

WATERCO LIMITED

### Address

36 South Street Rydalmere  
NSW 2116 Australia

### Telephone/Fax Number

Tel: 61 2 9898 8600

### Emergency phone number

Australia 1800 638 556 land line for transport by air and sea +61 438 465960/ New Zealand 0800 154 666 land line for transport by air and sea +64 962 390 85

### Recommended use of the chemical and restrictions on use

An algaecide for the control of algae in water systems.

### Additional Information

Pack Size: 1 Litre

## 2. HAZARD IDENTIFICATION

### GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

Name	CAS	Proportion
Triethanolamine complex of copper salts		3.2 %
Water	7732-18-5	To 100%

## 4. FIRST-AID MEASURES

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### **First Aid Measures**

Take a copy of this MSDS to medical advisers if signs or symptoms of overexposure occur and medical attention is required.

### **Inhalation**

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

### **Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

### **Skin**

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

### **Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

### **First Aid Facilities**

If practicable, an emergency shower, eyewash station, skin barrier creams and waterless skin creams should be available.

### **Advice to Doctor**

No specific treatment recommended. Treat symptomatically for exposure to an irritant (a copper containing slightly alkaline detergent).

## 5. FIRE-FIGHTING MEASURES

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### **Suitable Extinguishing Media**

If the product is involved in a fire, water spray, alcohol foam, dry chemical or carbon dioxide extinguishers can be used.

### **Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

### **Specific Methods**

This product is non combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.

### **Decomposition Temperature**

Not available

### **Precautions in connection with Fire**

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## 6. ACCIDENTAL RELEASE MEASURES

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### **Emergency Procedures**

Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

As a water based product, if spilt on electrical equipment the product will cause short-circuits.

## 7. HANDLING AND STORAGE

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### **Precautions for Safe Handling**

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

### **Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations. Protect from freezing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### **Occupational exposure limit values**

No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

### **Biological Limit Values**

No biological limits allocated.

### **Appropriate Engineering Controls**

Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

### **Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### **Eye Protection**

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### **Hand Protection**

Wear gloves of impervious material that is chemical resistant such as rubber, nitrile, PVC or chloroprene. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### **Body Protection**

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Liquid	Appearance	Clear slightly blue liquid
Colour	Clear slightly blue	Odour	Not available
Decomposition Temperature	Not available	Melting Point	About 0°C
Boiling Point	Above 100°C	Solubility in Water	Complete
Specific Gravity	1.12 at 20°C	pH	8.5
Vapour Pressure	As for water	Vapour Density (Air=1)	As for water
Evaporation Rate	Not available	Odour Threshold	Not available
Viscosity	Not available	Partition Coefficient: n-octanol/water	Not available
Flash Point	Non flammable	Auto-Ignition Temperature	Non flammable
Flammable Limits - Lower	Non flammable	Flammable Limits - Upper	Non flammable

## 10. STABILITY AND REACTIVITY

### Reactivity

Not available

### Chemical Stability

Stable under normal conditions of storage and handling.

### Reactivity and Stability

Not available

### Conditions to Avoid

Not available

### Incompatible materials

None

### Hazardous Decomposition Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

### Possibility of hazardous reactions

Not available

### Hazardous Polymerization

Not available

## 11. TOXICOLOGICAL INFORMATION

### Toxicology Information

While no information is available about the toxicity of an ethanolamine complex of copper salts, Copper Sulphate has been reported to cause liver and kidney damage and reproductive problems in experimental animals at high doses, and Triethanolamine is an irritant and sensitizer.

### Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

### Inhalation

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

### Skin

May be irritating to skin. The symptoms may include redness, itching and swelling.

**Eye**

May be irritating to eyes. The symptoms may include redness, itching and tearing.

**Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

**Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**STOT-single exposure**

Not expected to cause toxicity to a specific target organ.

**STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

## 12. ECOLOGICAL INFORMATION

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**Ecological information**

No ecological data available for this material. The presence of low concentrations of a triethanolamine complex of copper salts in the product is not considered an environmental hazard.

**Persistence and degradability**

Not available

**Mobility**

Not available

**Bioaccumulative Potential**

Not available

**Other Adverse Effects**

Not available

**Environmental Protection**

Prevent this material entering waterways, drains and sewers.

## 13. DISPOSAL CONSIDERATIONS

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**Disposal considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

## 14. TRANSPORT INFORMATION

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**Transport Information**

Road and Rail Transport (ADG Code):

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Marine Transport (IMO/IMDG):

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**U.N. Number**

None Allocated

**UN proper shipping name**

None Allocated

**Transport hazard class(es)**

None Allocated

**Special Precautions for User**

Not available

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

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**15. REGULATORY INFORMATION**

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**Regulatory information**

Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poisons Schedule**

Not Scheduled

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**16. OTHER INFORMATION**

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**Date of preparation or last revision of SDS**

SDS reviewed : March 2016 Supersedes: December 2013

**References**

- Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
- Standard for the Uniform Scheduling of Medicines and Poisons.
- Australian Code for the Transport of Dangerous Goods by Road & Rail.
- Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
- Workplace exposure standards for airborne contaminants, Safe work Australia.
- American Conference of Industrial Hygienists (ACGIH).
- Globally Harmonised System of classification and labelling of chemicals.

**Contact Person/Point**

Emergency contact:

Australia 1800 638 556 landline +61 438 465 960

New Zealand 0800 154 666 landline +64 962 390 85

**END OF SDS**

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