

SAFETY DATA SHEET

BIO-BLOC

Infosafe No.: HC03S
ISSUED Date : 27/03/2018
ISSUED by: Hydro-Chem Pty Ltd

1. IDENTIFICATION

GHS Product Identifier

BIO-BLOC

Company Name

Hydro-Chem Pty Ltd

Address

23B Industrial Drive Braeside
VIC 3195

Telephone/Fax Number

Tel: (03) 9553 1011

Emergency phone number

1300 558 788

Emergency Contact Name

Tony Ventura

Recommended use of the chemical and restrictions on use

Biocide for use in open cooling water recirculating systems.

Other Names

Name	Product Code
5-Chloro-2-methyl-4-isothiazolin-3-one	

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Sensitization - Skin: Category 1

Skin Corrosion/Irritation: Category 1A

Signal Word (s)

DANGER

Hazard Statement (s)

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

Pictogram (s)

Corrosion, Exclamation mark



Precautionary statement – Prevention

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash contaminated skin thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

- P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.

Precautionary statement – Storage

- P405 Store locked up.

Precautionary statement – Disposal

- P501 Dispose of contents/container to / in accordance with local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition

All ingredients in this product are listed on the Australian Inventory of Chemical Substances (AICS).

Ingredients

Name	CAS	Proportion
Water	7732-18-5	TO 100%
2-Methyl-4-isothiazolin-3-one	2682-20-4	0-10 %
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE	26172-55-4	0-10 %

4. FIRST-AID MEASURES

Inhalation

Seek medical treatment in case of symptoms.

Ingestion

Rinse mouth thoroughly with water immediately.
 Give water to drink. DO NOT induce vomiting.
 Seek medical attention.

Skin

Wash with plenty of soap and water.
 Remove contaminated clothing and wash before re-use.
 If swelling, redness, blistering or irritation occurs seek medical advice.

Eye contact

Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.

Seek medical attention.

Most important symptoms/effects, acute and delayed

Allergic skin reactions.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam, water spray or fog
Dry chemical powder
Carbon dioxide

Specific Methods

Wear respirator (pressure demand, self-contained breathing apparatus, MSHA/NIOSH approved or equivalent) and full protective gear.

Specific Hazards Arising From The Chemical

Under certain fire conditions traces of toxic gases can be released.

Hazchem Code

2X

6. ACCIDENTAL RELEASE MEASURES

Other Information

Wear protective clothing, splash proof goggles and impervious over-shoes. Remove contaminated clothing promptly, launder thoroughly before re-use. Wash affected skin with soap and water.

CAUTION: Keep spills out of municipal sewers and open bodies of water. Dike and absorb spill with inert material (dry earth, sand). Shovel all contaminated solids, diking material, absorbent and soil into corrosion proof drums for storage until disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Ventilate workplace in such a way that the Occupational Exposure Limit (OEL) is not exceeded.
Prevent formation of aerosols.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed
Keep away from direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

TLV 0.1 mg/m³ and STEI 0.3 mg/m³ for total isothiazolones.

Appropriate Engineering Controls

Mechanical local exhaust at point of contaminant (vapour or mist) release.

Respiratory Protection

Use breathing protection when aerosol or mist is formed.
Half or Full mask with combination filter A2B2E2K2HG-P3 is recommended.

Eye Protection

Splash proof goggles/glasses or face shield.

Hand Protection

Nitrile-rubber.

Body Protection

Appropriate impervious protective clothing where large volumes of product are in use.

Hygiene Measures

Laundry contaminated clothing before re-use.

Wash hands before eating, drinking, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Appearance

Pale yellow liquid with a mild aromatic odour.

Boiling Point

100°C

Solubility in Water

100%

Specific Gravity

1.03 at 20°C

pH

2-2.5

Vapour Pressure

0.1 mmHg @ 25°C

Flash Point

Not applicable.

Flammability

Not flammable under conditions of use.

Flammable Limits - Lower

Not Allocated

10. STABILITY AND REACTIVITY

Chemical Stability

Stable.

Conditions to Avoid

Protect against temperatures > 60°C.

Incompatible materials

Nucleophils, Reduction agents, Strong oxidising agents, Alkalis and Amines.

Possibility of hazardous reactions

Corrosive action on metals.

11. TOXICOLOGICAL INFORMATION

Ingestion

Moderately toxic. Ingestion can result in nausea, vomiting, diarrhoea, abdominal pain, and/or convulsions.

Inhalation

Inhalation of mists and aerosols may produce respiratory irritation. Irritation of the mucous membranes of the nose and throat may occur.

Skin

Contact with skin will result in severe irritation. May cause sensitisation by skin contact. Corrosive effect depending on contact time.

Eye

Corrosive to eyes.

Chronic Effects

This product is a skin sensitizer. Repeated or prolonged exposure may cause allergic contact dermatitis.

12. ECOLOGICAL INFORMATION

Environmental Protection

Acute Aquatic LC50: (active ingredient) - (1) Bluegill - 0.56 ppm

(2) R. Trout - 0.14 ppm (3) D. magna 0.13 ppm (4) Sheepshead minnow 0.3ppm

Acute Avian LD50: (act. ingredient) - Bobwhite quail 85 mg/kg

13. DISPOSAL CONSIDERATIONS

Waste Disposal

When discarded, this material is a hazardous waste. Product must be disposed of at a permitted facility in accordance with Local and State Regulations.

Container Disposal

Empty contaminated container thoroughly. They can be recycled after thorough and proper cleaning or rinse before landfill disposal.

14. TRANSPORT INFORMATION

U.N. Number

3265

UN proper shipping name

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Transport hazard class(es)

8

Packing Group

III

Hazchem Code

2X

Storage and Transport

Dangerous Goods Class 8. Packaging Group: III

Must be stored and transported in accordance with State and Territory dangerous goods regulations.

Observe the requirements of the Australian Code for the transport of dangerous goods by road and rail.

IERG Number

37

15. REGULATORY INFORMATION

Poisons Schedule

S6

Packaging & Labelling

As required by the ADG Code and the Standard for the Uniform Scheduling of Drugs and Poisons.

16. OTHER INFORMATION

Contact Person/Point

Normal Working Hours - Ph: (03) 9553 1011 Fax: (03) 9553 1387
Ask for the Facilities Manager, Sales Manager or Services Manager.
After Hours - Ph : 1300 558 788

Further information/advice is available to those persons responsible for the design of safe work practices on their written request to HydroChem.

This SDS summarises to the best of our knowledge at the date of issue, the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products.

Hydro-Chem Pty Ltd responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

If clarification or further information is required, the user should contact Hydro-Chem Pty Ltd using the contact details provided.

Revisions Highlighted

Section(s) : 2.

END OF SDS

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