

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: HY-CLOR BLACKOUT ALGAECIDE 1L
Shipping Name: Algaecide Solution
Product Code: HYBKOUT6X01-1L
UN Number: Not allocated
Other Names: Pool Algaecide

Recommended Use of the Chemical and Restrictions on Use: Control Algae growth in Swimming pools

Chemical Formula: N/A
Supplier: HY-CLOR AUSTRALIA PTY LTD
Street Address: 178 Power Street
Glendenning NSW 2761

Telephone Number: 02 8805 2400
After Hours Contact: 0404 859 515
Facsimile: 02 8805 2401
Email Contact: help@hyclor.com.au
Emergency Telephone: 13 11 26 (Australia Poisons Information Centre)
New Zealand 0800 764 766

2. HAZARDS IDENTIFICATION

This product is classified **not dangerous** according to Australian Dangerous Goods Code (ADG).

This product is classified as harmful, irritating, Dangerous to the environment.

Poison Schedule: S5

This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

Signal Word: Warning

Hazard Pictogram:



Hazard Statement:

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HAZARDOUS SUBSTANCE.

Signal Word: Warning

GHS Hazard Statement(s):

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Substances that are mildly irritating to the skin	Category 3	6.3B	May cause skin irritation
Substances that are harmful to human target organs or systems	Category 2	6.9B	May cause damage to organs through prolonged or repeated exposure
Substances that are acutely toxic (oral)	Category 4	6.5B	Harmful if swallowed
Substances that are harmful in the aquatic environment	Category 3	9.1C	Is harmful to aquatic environments

Prevention:**P102:** Keep out of reach of Children**P 233:** Keep container closed**P262:** Do not get in eyes, on skin, or on clothing**P270:** Do not eat, drink or smoke when using this product**P280:** Wear Protective Gloves, protective clothing and eye or face protection**Response:****P352:** Wash with plenty of soap and water**P301+ P312:** If swallowed, call poison centre, or doctor if you feel unwell**P370+P378:** In case of fire, use of carbon dioxide, dry chemical, foam, water fog.**Storage:****P410:** Protect from sunlight**P402+P404:** Store in Dry place. Store in Closed Container**P403+P235:** Store in Well-ventilated place.**Disposal:**

For large quantities use a commercial waste disposal service if recycling or reclaiming is not possible.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion
Benzalkonium Chloride	8001-54-5	<10%
Copper Sulfate Pentahydrate	7758-99-8	1.8%
Water		Balance

4. FIRST AID MEASURES**General**

Keep Victim warm and quiet. Obtain immediate medical care. Ensure that attending medical personnel are aware of the identity and nature of the product involved, and take precautionary measures to protect themselves.

Inhalation

No First aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air. Call Poison Centre 13 11 26



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Eye	If in eye(s) wash with large amounts of water for approximately 15 minutes holding eyelid(s) open. Seek medical attention immediately.
Skin	Remove contaminated clothing and wash skin thoroughly decontaminates clothing before re-use or discard. If swelling, redness, blistering or irritation occurs seek medical advice.
Ingestions	Do not induce vomiting. Wash mouth and contact poison centre.
First Aid Facilities	Eye wash and normal washroom facilities. First Aid Kit.
Advice to Doctor	Treat symptomatically
Medical Conditions that may Be Aggravated by Exposure	Asthma and respiratory and cardiovascular disease.

5. FIRE FIGHTING MEASURES

Extinguishers	Use Carbon dioxide, dry chemical, foam or water fog.
Fire Fighting Procedures	Wear self-contained breathing apparatus (SCBA) and protective clothing.
Hazardous Decomposition Products	Decomposes on heating may emit toxic fumes
Other precautions	Not combustible and does not burn.

6. ACCIDENTAL RELEASE MEASURES

Spills	For minor spills, clean up, rinsing to sewer and put empty container in garbage. It is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.
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7. HANDLING AND STORAGE

Handling	Avoid skin and eye contact and inhalation of dust. Wear appropriate protective equipment and clothing. Use in a well ventilated area. Avoid spillage onto floor. Keep containers closed when not in use. Maintain personal hygiene by washing hands prior to eating, drinking, smoking or using toilet.
Storage	Store in a cool, dry, well ventilated area, out of direct sunlight. Store in suitable, labelled containers. Avoid any dust build-up by frequent cleaning and suitable construction of storage area. Keep storage separated from work areas. Inspect periodically for deficiencies such as damage or leaks.
Incompatibilities	Store away from organic and/or combustible agents. Keep out of the reach of Children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards	No ingredients in this product have exposure standards, as outlined in the standard <i>Exposure Standards for Atmospheric Contaminants in the Occupational Environment</i> third edition, published by the National Occupational health and Safety Commissions/AGPS, 1995.
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Engineering Measures	Avoid generating and inhaling fumes. Use in a well ventilated area only. Keep containers in a well ventilated area. Local exhaust ventilations system may be required.
Personal Protection Equipment	
Clothing	Suitable protective clothing should be worn e.g. cotton overalls and safety shoes.
Skin Protection	Impervious PVC or rubber gloves should be worn.
Eye Protection	Safety glasses with side shields or goggles should be worn.
Respiratory Protection	If vapour exists, wear respirator meeting the requirements of AS/NZS 1716. Wear related PPE as relevant AS.
Personal Hygiene	Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark Blue Liquid with Mild Odour
Boiling Point	Approximately 100 Degrees C
Freezing/Melting Point	Approximately 0 Degrees C
Vapour Pressure	N/A
Specific Gravity	N/A
Flash Point	N/A
Upper Flammability Limit	N/A
Lower Flammability Limit	N/A
Solubility in Water	Appreciable
pH	7.0-7.5

10. STABILITY AND REACTIVITY

Chemical Stability	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life.
Conditions to Avoid	Store in cool dry place preferably below 30 degrees C. Keep containers tightly closed. Keep in well-ventilated areas.
Incompatible Material	Oxidising agents
Hazardous Decomposition Products	Likely to decompose after heating. May release gases.

11. TOXICOLOGICAL INFORMATION

Potential health effect	
Swallowed	Irritant – may cause nausea and vomiting. May cause tissue damage to mouth and gullet. Ingestion of strong solutions or concentrated product could be harmful
Skin	Product is skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but exposure should disappear once exposure has ceased. No data for health effects associated with long term exposure.
Eye	Irritant-May cause discomfort and mild impairment of vision.



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Inhaled Not considered an inhalation hazard. Aspiration of liquid spray or mist liable to cause severe irritation and damage to respiratory tract.

Long Term Effect No data for health effects associated with long term exposure.

12. ECOLOGICAL INFORMATION

Ecotoxicity Insufficient data to be sure of status.

13. DISPOSAL CONSIDERATIONS

Disposal Methods and Containers Dispose of according to relevant local, state and federal government regulations.

Special Precautions for Landfill Contact a specialist disposal company for landfill.

14. TRANSPORT INFORMATION

ADG Code: This product is not classified as a Dangerous Good by ADG criteria. No special transport conditions.

15. REGULATORY INFORMATION

As per relevant ADG act and Naming code.

16. OTHER INFORMATION

Contact Any advice, recommendation, information, assistance, or service provided by Hy-Clor Australia in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, this information is given without warranty or representation. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products.

Mr Mark Sheridan
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