



AQUABRITE®

Safety Data Sheet

PRODUCT: ALGAECIDE 60%

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1. PRODUCT IDENTIFICATION

Product Name: Algaecide 60%
Synonym(s): Not Available
Recommended Uses: Swimming Pool Algaecide

Distributed By: Pool Water Specialist, Inc.
3140 Amity Court
Charlotte, NC 28215
Tel: 704-375-7573
24 HOUR EMERGENCY NUMBER: Infotrac(Transportation) 1-800-535-5053

2. HAZARD(S) IDENTIFICATION

Classification: THIS MATERIAL IS HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200

Signal Word: WARNING

Hazard Statements: Harmful if swallowed.
May cause eye irritation.
May cause skin irritation.
May cause irritation of respiratory tract.
Do not get in eyes, on skin, or on clothing



Precautionary Statements: Do not breathe vapors. Use only outdoors in well ventilated area. Do not get into eyes, on skin or on clothing. Wear protective eyewear (goggles, safety glasses or face shield), protective clothing, and rubber gloves. Wash hands thoroughly with soap and water after handling. Do not eat, drink or smoke when using this product. Remove contaminated clothing and wash clothing before reuse.

Eye Contact: May cause eye irritation.

Skin Contact: May cause skin irritation.

Inhalation: May cause irritation of respiratory tract.

Ingestion: Harmful if swallowed.

Chronic Exposure: None known..

3. COMPOSITION

Hazardous components

Component / CAS-No.

Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethane diyl(dimethyliminio)-1,2-ethanediyl dichloride
31512-74-0

Weight percent

60%

4. FIRST AID

If in Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a POISON CENTER or doctor/ physician

If on Skin or Clothing: Remove contaminated clothing and shoes. Rinse immediately with plenty of water for at least 15 minutes. Call a POISON CENTER or doctor/ physician



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4. FIRST AID CONT.

- If Inhaled: Remove to fresh air.
Give oxygen or artificial respiration if needed.
Call a POISON CENTER or doctor/ physician
- If Swallowed: Immediately call a POISON CENTER or doctor/ physician.
Have person sip a glass of water if able to swallow.
Do not induce vomiting unless told to do so by the poison control center or doctor.
Never give anything by mouth to an unconscious person

5. FIREFIGHTING MEASURES

- Suitable/Unsuitable Extinguishing Media: Dry chemical, Water, Foam, Carbon dioxide (CO₂) Keep containers and surroundings cool with water Spray.
- Specific Hazards from Chemical: There are no unusual fire and explosion hazards known.
- Special Protective Equipment: In the event of fire, wear self-contained breathing apparatus. Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions: See Section 8 for recommendations on the use of personal protective equipment. If spilled in an enclosed area, ventilate.
- Environmental precautions: Do not flush liquid into public sewer, water systems or surface waters
- Methods and Materials for cleanup: Using appropriate protective clothing and safety equipment, contain spilled material. Soak up with inert absorbent material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal.

7. HANDLING AND STORAGE

- Handling: As with any chemical product, use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well ventilated conditions. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Provide eyewash fountains and safety showers in the work area.
- Storage: Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Store product where temperatures are between 4°C - 38°C (40°F-100°F). Do not allow product to freeze. Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

- OSHA permitted exposure limit: No applicable exposure limits
- Appropriate Engineering Controls: Ensure that eyewash stations and safety showers are close to the workstation location. Use with adequate ventilation.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

Individual Protective Measures:

Eye/face protection: Wear eye protection.

Skin and body protection: Wear protective gloves. Use good laboratory/workplace procedures including personal protective clothing: labcoat, safety glasses and protective gloves.

Respiratory protection: Respiratory protection is not needed with proper ventilation. Wear an approved respirator (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the applicable exposure limit(s) of any chemical substance listed in this SDS. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

Further information: Eyewash fountains and safety showers are recommended in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid - Clear/ Light Yellow	Flammability (solid/gas):	Not Available
Odor:	Mild	Upper/lower flammability or Exposure limits:	Not Available
Odor Threshold:	Not Available	Vapor Pressure:	Not Available
pH:	6 - 8	Vapor Density:	1.15 g/cm ³
Melting/Freezing Point:	< 3 °F (-16 °C)	Density:	1 (20°C)
Boiling Point/Range:	> 212 °F (100 °C)	Partial Coefficient: n-octanol Water:	Not Available
Flash Point:	Not Available	Auto-ignition Temperature:	Not Available
Evaporation Rate:	Not Available	Decomposition Temperature:	Not Available
Viscosity:	Not Available		

10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: High temperatures.
Poor ventilation.
Contamination

Materials to avoid : Remarks: Do not mix with other swimming pool/spa chemicals in their concentrated forms.
Anionic polymers

Hazardous Decomposition Products Note: Carbon oxides

Hazardous reactions : Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50: 1,951 mg/kg
Species: rat
LD50: 2,587 mg/kg
Species: rat

Acute inhalation toxicity : LC50: Exposure time: 4 h
Species: rat



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11. TOXICOLOGICAL INFORMATION

Acute dermal toxicity :	LD50: > 2,000 mg/kg Species: rabbit
Skin irritation :	Remarks: May cause skin irritation.
Eye irritation :	Remarks: May cause eye irritation.
Sensitization :	Remarks: This product is not expected to be a skin sensitizer

12. ECOLOGICAL INFORMATION

Additional ecological Information	Toxic to fish. Toxic to aquatic organisms Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA
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13. DISPOSAL CONSIDERATIONS

Disposal Methods:	Improper disposal of excess product, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. For registered pesticides, contact your State Pesticide Agency.
Contaminated Packaging:	Do not re-use empty containers. Rinse thoroughly before discarding in trash. Offer rinsed packaging material to local recycling facilities

14. TRANSPORTATION INFORMATION

DOT UN number :	3082
Description of the Goods:	Environmentally hazardous substances, liquid, n.o.s.: (Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl dichloride)
Class :	9
Packing group :	III
ERG Code :	171
Marine pollutant :	Yes
Environmentally Hazardous:	Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl dichloride Yes Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl(dimethyliminio)-1,2-ethanediyl dichloride

Not recommended for shipment by air.

Not regulated by DOT and TDG if shipped or transported in packaging less than 450 liters by road and/or rail



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15. REGULATORY INFORMATION

US federal regulations:	This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200	
Clean air act Section 112 (b) Hazardous Air Pollutants (HAPs)	Not Listed	
Clean Air Act Section 602 Class 1 Substances	Not Listed	
Clean Air Act Section 602 Class II Substances	Not Listed	
DEA List 1 Chemicals (Precursor Chemicals)	Not Listed	
DES List II Chemicals (Essential Chemicals)	Not Listed	
SARA 302/304	Composition/information on ingredients:	No products were found.
SARA 304 RQ	Not Applicable	
SARA 311/312	Acute Health Hazard	

16. OTHER INFORMATION

HMIS Classification :	Health hazard: 1 Flammability: 1 Physical hazards: 0 PPI:Ask supervisor or safety specialist for handling instructions
NFPA Classification :	Health hazard: 1 Fire Hazard: 1 Reactivity Hazard: 0

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.