

# MATERIAL SAFETY DATA SHEET

## MSDS

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Date-Issued: 06/21/1997  
MSDS Ref. No: BBIO23006  
Date-Revised: 08/03/1999  
Revision No: 4

### BioGuard Back Up

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BioGuard Back Up  
GENERAL USE: Swimming pool algaecide.

##### MANUFACTURER

Bio-Lab, Inc.  
BioGuard  
P.O. Box 1489  
Decatur, GA 30031  
Customer SERVICE: 800-859-7946

##### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (Transportation) (800) 424-9300  
Poison Control Center (Medical) 877-800-5553

##### COMMENTS:

EPA Registration Number: 5185-401

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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt.%</u>
Alkyl dimethylbenzylammonium chloride	68424-85-1	30
Propylene glycol	57-55-6	16.5
Alkyl dimethylbenzylammonium chloride	63449-41-2	10
Ethyl alcohol	64-17-5	1.3
Isopropyl alcohol	67-63-0	1.1

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#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

##### PHYSICAL APPEARANCE:

Blue liquid with almond aroma.

##### IMMEDIATE CONCERNS:

**DANGER:** Highly Corrosive. Causes skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Irritating to nose and throat. Avoid breathing fumes. Remove and wash contaminated clothing before reuse.

##### POTENTIAL HEALTH EFFECTS

##### EYES:

**DANGER:** Highly Corrosive. Causes eye damage. Do not get in eyes.

##### SKIN:

**DANGER:** Highly Corrosive. Causes skin damage. Do not get on skin.

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#### INGESTION:

May be fatal if swallowed.

#### INHALATION:

Irritating to nose and throat. Avoid breathing vapors.

#### CHRONIC:

There are no known chronic hazards.

#### ROUTES OF ENTRY:

Skin Contact, Inhalation, Ingestion, Eye Contact.

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## 4. FIRST AID MEASURES

#### EYES:

If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

#### SKIN:

Wash off excess chemical with soap and water and flush skin with cold water for at least 15 minutes. If irritation persists, get medical attention.

#### INGESTION:

If swallowed: Drink promptly large quantities of water. Do not induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

#### INHALATION:

If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

#### NOTES TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage.

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## 5. FIRE FIGHTING MEASURES

#### GENERAL HAZARD:

Products of combustion are toxic. Heated solvent vapors can travel to an ignition source and flash back.

#### EXTINGUISHING MEDIA:

Water fog, carbon dioxide, dry chemical, or foam.

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#### FIRE FIGHTING EQUIPMENT:

Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

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## 6. ACCIDENTAL RELEASE MEASURES

#### GENERAL PROCEDURES:

STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate clothing and safety equipment, contain spill material. Cover the liquid with an inert absorbent. Using clean, dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry plastic containers for disposal. Dispose of according to local, state and federal regulations.

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## 7. HANDLING AND STORAGE

#### GENERAL PROCEDURES:

Avoid contact with eyes, skin or clothing. Avoid breathing vapors.

#### HANDLING:

Mix only with water. Never add water to product. Always add product to large quantities of water. Do not mix with other chemicals. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion.

#### STORAGE:

Keep this product in original closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS				
		OSHA PEL ppm	OSHA PEL mg/m <sup>3</sup>	ACGIH TLV ppm	ACGIH TLV mg/m <sup>3</sup>	SUPPLIER OEL ppm
Alkyl dimethylbenzylammonium chloride	TWA	N/E <sup>[1]</sup>		N/E		
Propylene glycol	TWA	N/E		N/E		
Alkyl dimethylbenzylammonium chloride	TWA	N/E		N/E		
Ethyl alcohol	TWA	1000	1900	1000	1880	
Isopropyl alcohol	TWA	400	983	400	983	
	STEL			500	1230	

#### OSHA TABLE COMMENTS:

1. N/E = Not Established

### ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to maintain exposure below TLV.

### PERSONAL PROTECTIVE EQUIPMENT:

#### EYES AND FACE:

Wear goggles or safety glasses with side shields when handling this product.

#### SKIN:

Wear rubber gloves when handling this product. Avoid contact with skin.

#### RESPIRATORY:

Respirator protection is not normally required under routine use conditions. If product is used in an area with poor ventilation or airborne dust is expected, a respirator that meets OSHA/ANSI standards may be required.

### WORK HYGIENIC PRACTICES:

Remove and wash contaminated clothing before reuse.

#### OTHER USE PRECAUTIONS:

Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid  
ODOR: Almondy  
APPEARANCE: Clear  
COLOR: Blue  
pH: 7.0 to 8.0  
VAPOR PRESSURE: Not Determined  
VAPOR DENSITY: Not Determined  
BOILING POINT: Not Determined  
MELTING POINT: Not Established  
SOLUBILITY IN WATER: Miscible in Water  
SPECIFIC GRAVITY: 0.988 g/ml  
VISCOSITY: 22.3cps

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#### 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:**

High temperature. Poor ventilation. Contamination.

**STABILITY:**

This product is stable under normal conditions.

**POLYMERIZATION:**

Hazardous polymerization will not occur under normal conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Vapors/fumes of organic/inorganic materials plus oxides of carbon may be emitted.

**INCOMPATIBLE MATERIALS:**

Strong acids, strong alkalies, strong oxidizing agents, and all other swimming pool/spa chemicals in their concentrated forms.

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#### 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:**

This product is corrosive to eyes.

**SKIN EFFECTS:**

This product is corrosive to skin.

**CARCINOGENICITY:**

This product is not listed as a carcinogen by IARC.  
This product is not listed as a carcinogen by NTP.  
This product is not listed as a carcinogen by OSHA.

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#### 12. ECOLOGICAL INFORMATION

##### ECOTOXICOLOGICAL INFORMATION:

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a 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 METHOD:

Pesticide wastes are toxic. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.

##### EMPTY CONTAINER:

Do not reuse container. Rinse thoroughly before discarding in trash.

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#### 14. TRANSPORT INFORMATION

##### DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Disinfectant, Liquid, Corrosive, N.O.S. (Contains Quaternary Ammonium Compound)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 1903

PACKING GROUP: III

OTHER SHIPPING INFORMATION: Limited Quantity

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#### 15. REGULATORY INFORMATION

##### UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: This product or its components are not listed.

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CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)  
CERCLA REGULATORY: This product or its components are not listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)  
TSCA REGULATORY: This product contains the following chemicals substances subject to the reporting requirements of TSCA 12(b) one-time export notification substances (Section 4) if exported from the United States:  
Isopropyl Alcohol CAS # 67-63-0  
TSCA STATUS: This product or its components are listed on the TSCA Inventory.

OSHA HAZARD COMM. RULE:  
Product is hazardous by definition of the Hazardous Communication Standard.

CLEAN WATER ACT:  
Not Listed.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):  
This product is a registered pesticide.

CLEAN AIR ACT  
40 CFR PART 68—RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Propylene glycol, ethyl alcohol, and isopropyl alcohol are subject to Clean Air Act Section 111 Volatile Organic Compounds.

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## 16. OTHER INFORMATION

### REVISION SUMMARY

Revision #: 4

This MSDS replaces the October 30, 1998 MSDS. Any changes in information are as follows:

In Section 8

Respiratory Protection (text)

In Section 9

Appearance (text) (Group Field) for Vapor Pressure (Group Field) for Vapor Pressure Density (Group Field) for Boiling Point (Group Field) for Melting Point

In Section 14

DOT Proper Shipping Name

### NFPA CODES

HEALTH: 3    FIRE: 2    REACTIVITY: 0

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#### HMIS CODES

HEALTH: 3    FIRE: 2    REACTIVITY: 0    PROTECTION: B

#### MANUFACTURER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.

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