

# MATERIAL SAFETY DATA SHEET

## MSDS

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Date-Issued: 06/27/1997  
MSDS Ref. No: BBIO23215  
Date-Revised: 07/08/1997  
Revision No: 2

### BioGuard Stabilizer 100

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BioGuard Stabilizer 100  
GENERAL USE: Prevents chlorine loss due to sunlight.  
CHEMICAL FAMILY: Isocyanurate

##### 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

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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt. %</u>
Cyanuric acid	108-80-5	100

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#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:  
White, granular material

##### IMMEDIATE CONCERNS:

CAUTION: Causes skin and eye irritation. May be harmful if swallowed. Avoid contact with eyes, skin or clothing. Wear goggles or safety glasses and rubber gloves when handling this product. May be irritating to nose and throat. Avoid breathing dust. Remove and wash contaminated clothing before reuse. Do not mix with other chemicals.

##### POTENTIAL HEALTH EFFECTS

###### EYES:

CAUTION: Causes eye irritation. Avoid contact with eyes.

###### SKIN:

CAUTION: Causes skin irritation. Avoid contact with skin.

###### INGESTION:

May be harmful if swallowed.

###### INHALATION:

May be irritating to nose and throat. Avoid breathing dust or vapors.

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#### 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:

If contact with skin: Rinse off excess chemical and flush skin with cold water for at least 15 minutes. If skin irritation develops, seek immediate medical attention.

#### INGESTION:

If swallowed: Drink large quantities of water, then 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.

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## 5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Applicable

#### GENERAL HAZARD:

There are no unusual fire and explosion hazards known.

#### EXTINGUISHING MEDIA:

Use water, dry chemical, Halon, alcohol foam, or carbon dioxide.

#### 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:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate protective clothing and safety equipment, contain spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place in 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 dust.

### 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. Contamination with other chemicals may start a chemical reaction generating heat, hazardous gases, fire, and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water, if necessary.

### 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. Do not add any other product to container. Never return unused product to container; dispose of product in accordance with local, state, or federal regulations.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	TWA	EXPOSURE LIMITS				
		OSHA PEL ppm	mg/m <sup>3</sup>	ACGIH TLV ppm	mg/m <sup>3</sup>	SUPPLIER OEL ppm
Cyanuric acid		N/E <sup>[1]</sup>		N/E		

### OSHA TABLE COMMENTS:

1. N/E = Not Established

### ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to minimize exposure to dust/vapors.

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#### 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:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

#### 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: Solid

ODOR: Odorless

APPEARANCE: Granules

COLOR: White

pH: 4.8 to 5.2(10% slurry)

MELTING POINT: >330°C

SOLUBILITY IN WATER: Slight

DENSITY: 56 (lbs/cu ft)

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## 10. STABILITY AND REACTIVITY

#### CONDITIONS TO AVOID:

High temperature. Poor ventilation. Contamination. Moisture/high humidity.

#### STABILITY:

This product is stable under normal conditions.

#### POLYMERIZATION:

Hazardous polymerization will not occur under normal conditions.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

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#### 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

#### ACUTE

DERMAL LD<sub>50</sub>: >7940 mg/kg of body weight in rabbits.

ORAL LD<sub>50</sub>: >10000 mg/kg of body weight in rats

#### EYE EFFECTS:

This product may be irritating to eyes.

#### SKIN EFFECTS:

This product may be irritating 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.

#### MUTAGENICITY:

Mutagenicity studies were negative.

#### TERATOGENIC EFFECTS:

Testing shows that this product is not teratogenic.

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## 12. ECOLOGICAL INFORMATION

#### ECOTOXICOLOGICAL INFORMATION:

This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

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## 13. DISPOSAL CONSIDERATIONS

#### DISPOSAL METHOD:

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.

#### PRODUCT DISPOSAL:

Disposal of unused, uncontaminated product is regulated according to local, state and federal regulations.

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#### 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: Not Regulated.

OTHER SHIPPING INFORMATION: Bill of Lading Description - Compounds, Swimming Pool, Cleaning or Water Treating, Dry or Liquid (NMFC 50086)

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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.

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 or its components are not subject to export notification.

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

RCRA STATUS:

This product, as sold, would not be considered a RCRA Hazardous Waste.

OSHA HAZARD COMM. RULE:

Product is hazardous by definition of the Hazardous Communication Standard.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):

This product is not a registered pesticide.

CLEAN AIR ACT

40 CFR PART 68—RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: This product is subject to the Clean Air Act Section 111 Volatile Organic Compounds.

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## 16. OTHER INFORMATION

### REVISION SUMMARY

Revision #: 3

This MSDS replaces the July 08, 1997 MSDS. Any changes in information are as follows:

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#### NFPA CODES

HEALTH: 2    FIRE: 1    REACTIVITY: 0

#### HMIS CODES

HEALTH: 2    FIRE: 1    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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