

**BioGuard® Inhibit Back Up®**

Version:	1.0
Revision Date:	11/18/2008
Print Date:	12/04/2008

The recipient of this Safety Data Sheet is urged to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents and contractors of the information on this sheet,(2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name: BioGuard® Inhibit Back Up®

Product Use Description: Recreational Water Product

EPA Registration Number: 5185-401

Company: Bio-Lab, Inc.  
BioGuard  
P.O. Box 300002  
Lawrenceville, GA  
30049-1002

Emergency telephone: CHEMTREC (US Transportation) :  
(800) 424-9300  
(703) 527-3887  
Poison Control Center (Medical) :  
(877) 800-5553

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Customer Service: (800) 859-7946

Prepared by: Product Safety Department  
(US) +1 866-430-2775  
(EU) +44 (0) 1753.603.000  
Email: MSDSRequest@chemtura.com

**SECTION 2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**DANGER!**

Form: liquid  
Colour: clear blue  
Odour: Almond-like

Corrosive  
Causes severe eye damage.  
Causes skin burns.  
May be fatal if swallowed.  
May be fatal if absorbed through skin.  
May be fatal if inhaled.

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

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Do not breathe vapours or spray mist.  
Do not get in eyes, on skin, or on clothing.

**Potential Health Effects**

- Primary Routes of Entry : Skin contact  
Inhalation  
Ingestion  
Eye contact
- Inhalation : May be fatal if inhaled.
- Skin : May be fatal if absorbed through skin.  
Causes skin burns.
- Eyes : Causes severe eye damage.
- Ingestion : May be fatal if swallowed.
- Chronic Exposure : None known.

**SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS**

**Hazardous components**

Component	CAS-No.	Concentration
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	30 %
propane-1,2-diol	57-55-6	10 %
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	63449-41-2	10 %

**SECTION 4. FIRST AID MEASURES**

**First aid procedures**

- Inhalation : Remove to fresh air.  
Give oxygen or artificial respiration if needed.  
Call a POISON CENTRE or doctor/physician.
- Skin contact : Remove contaminated clothing and shoes.  
Rinse immediately with plenty of water for at least 15 minutes.  
Call a POISON CENTRE or doctor/physician.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

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Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a POISON CENTRE or doctor/physician.

Ingestion : Immediately call a POISON CENTRE 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.  
Do not give anything by mouth to an unconscious person.

**Notes to physician**

Treatment : Probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION 5. FIRE-FIGHTING MEASURES**

**Flammable properties**

Flash point : > 199.9 °F (93.3 °C)

**Protective equipment and precautions for firefighters**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

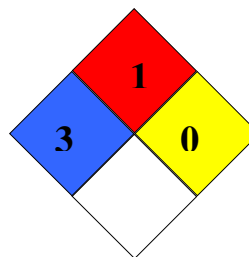
Hazardous decomposition products : Carbon oxides  
nitrogen oxides (NOx)  
Amines  
Hydrogen chloride gas

Further information : Heated solvent vapors can travel to an ignition source and flash back.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.  
Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

**Further information**

**NFPA Classification** : Health Hazard: 3  
Fire Hazard: 1 Class IIIB  
Combustible Liquid  
Reactivity Hazard: 0



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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Methods for containment / Methods for cleaning up : 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.
- Additional advice : Treat recovered material as described in the section "Disposal considerations".

**SECTION 7. HANDLING AND STORAGE**

**Handling**

- Advice on safe handling : Avoid contact with skin, eyes and clothing.  
Avoid breathing vapors.  
Mix only with water.  
Do not mix with other chemicals.  
Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco.  
Do not handle until all safety precautions have been read and understood.  
Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.

**Storage**

- Requirements for storage areas and containers : Store in original container.  
Keep tightly closed.  
Store in a cool, dry, well ventilated area away from heat or open flame.  
Keep out of reach of children.  
Keep away from animals.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures**

- Engineering measures : Use with adequate ventilation.  
Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

- Eye protection : Goggles  
Safety glasses with side-shields
- Hand protection : Wear rubber gloves.
- Respiratory protection : No personal respiratory protective equipment normally required.  
If product is used in an area with poor ventilation and mist or vapor is expected, a

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respirator that meets OSHA/ANSI standards may be required.

Hygiene measures : Remove and wash contaminated clothing before re-use.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Form : liquid  
Colour : clear  
blue  
Odour : Almond-like

**Safety data**

Flash point : > 199.9 °F (93.3 °C)  
pH : 7 - 8  
Freezing point : Not Available  
Boiling point/boiling range : Not Available  
Vapour pressure : Not Available  
Density : 8.24 lb/gal  
Water solubility : completely miscible  
Relative vapour density : Not Available

**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid : High temperatures.  
Poor ventilation.  
Contamination

Materials to avoid : Do not mix with other swimming pool/spa chemicals in their concentrated forms.  
Oxidizing agents

Hazardous decomposition products : Type: Hazardous decomposition products  
Carbon oxides  
nitrogen oxides (NOx)  
Amines

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Hydrogen chloride gas

Hazardous reactions : Hazardous polymerisation does not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Skin irritation : Causes skin burns.

Eye irritation : Causes severe eye damage.

**SECTION 12. ECOLOGICAL INFORMATION**

Additional ecological information : Toxic to fish.  
Toxic to 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.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Further information : Dispose of waste material in compliance with all federal, state, and local regulations.  
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.

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**SECTION 14. TRANSPORT INFORMATION**

**DOT** UN-Number : 1760  
Proper shipping name : Corrosive liquids, n.o.s.  
Proper technical name : (CONTAINS QUATERNARY AMMONIUM COMPOUND)  
Class : 8  
Packing group : III

**IATA** UN-Number : 1760  
Proper shipping name : Corrosive liquid n.o.s.  
Proper technical name : (CONTAINS QUATERNARY AMMONIUM COMPOUND)  
Class : 8  
Packing group : III

**IMDG** UN-Number : 1760  
Proper shipping name : CORROSIVE LIQUID, N.O.S.  
Proper technical name : (CONTAINS QUATERNARY AMMONIUM COMPOUND)  
Class : 8  
Packing group : III

Not recommended for shipment by air  
Limited Quantity exemption possible  
ORM-D Consumer Commodity exemption possible

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**SECTION 15. REGULATORY INFORMATION**

**National regulatory information**

**OSHA Hazards** : This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**SARA Hazard category** : Fire Hazard  
Acute Health Hazard

**TSCA\_12b (Product)** : US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)  
  
Listed

**US PA RTK (Component)** : US. Commonwealth of Pennsylvania - Department of Labor and Industry; Pennsylvania Code Title 34, Labor and Industry Chapter 323  
  
hazardous substance  
  
propane-1,2-diol | 57-55-6 | 10 %

**The components of this product are reported in the following inventories:**  
**TSCA**

**Additional advice :**

FIFRA (Federal Insecticide, Fungicide, Rodenticide Act): This product is a registered pesticide.

**SECTION 16. OTHER INFORMATION**

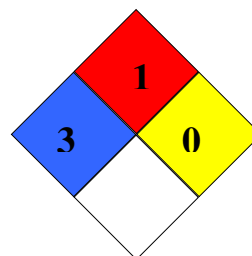
**Further information**



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**NFPA Classification** : Health Hazard: 3  
Fire Hazard: 1 Class IIIB  
Combustible Liquid  
Reactivity Hazard: 0



**HMS Classification** : Health Hazard: 3  
Flammability: 1  
Physical and chemical hazards: 0  
PPI: Ask supervisor or safety specialist for handling instructions

**Other Emergency Phone Number**

<u>Latin America:</u>	Brazil	+52 113 711 91 44
	All other countries	+44 (0)208 762 8322
<u>Mexico:</u>		+52 555 004 87 63

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of the seller, it is the user's obligation to determine the conditions of safe use of the products.