

**MATERIAL SAFETY DATA SHEET**

MSDS

**BioGuard Stain Remover**

**Date-Issued:**01/05/2000  
**MSDS Ref. No:**BBIO23739  
**Date-Revised:**08/15/2000  
**Revision No:**1

**1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** BioGuard Stain Remover  
**GENERAL USE:** Metal and mineral stain remover.  
**CHEMICAL FAMILY:** Proprietary blend multiple dry acids

**MANUFACTURER**

Bio-Lab, Inc.  
 BioGuard  
 P.O. Box 300002  
 Lawrenceville, GA 30049-1002  
**Customer SERVICE:** 800-859-7946

**24 HR. EMERGENCY TELEPHONE NUMBERS**

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

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

The specific identity of the component(s) of this product is withheld as a trade secret.

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt.%</u>
(trade secret #1)	-	-

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** White, odorless powder.

**IMMEDIATE CONCERNS:** DANGER: Corrosive. Causes eye and skin burns. Harmful if swallowed. Irritating to nose and throat. Avoid breathing dust or vapors. Do not get in eyes, on skin, or on clothing. Wear goggles or safety glasses and rubber gloves when handling.

**POTENTIAL HEALTH EFFECTS**

**EYES:** DANGER: Corrosive. Causes eye burns. Do not get in eyes.

**SKIN:** DANGER: Corrosive: Causes skin burns. Do not get on skin.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Irritating to nose and throat. Avoid breathing dust or vapors.

**CHRONIC:** There are no known chronic hazards.

**ROUTES OF ENTRY:** Skin Contact, Inhalation, Ingestion, Eye Contact.

**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 on skin: Flush with plenty of water for at least 15 minutes. Wash thoroughly with soap or a mild detergent and water. If irritation persists, get medical attention.

**INGESTION:** If swallowed: Drink large amounts of water or milk. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**INHALATION:** If inhaled: Remove person to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

**5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** None

**GENERAL HAZARD:** There are no unusual fire and explosion hazards known.

**EXTINGUISHING MEDIA:** Water

**FIRE FIGHTING PROCEDURES:** Flood with copious amounts of water.

**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.

**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.

**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.

**STORAGE:** Keep this product in its original container when not in use. Store in cool, dry, well-ventilated area. Keep this product and all other chemicals out of children's reach.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE GUIDELINES:**

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

(trade secret #1)

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

**OSHA TABLE COMMENTS:**

1. N/E = Not Established

**The specific identity of the component(s) of this product is withheld as a trade secret.**

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

**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:** If product gets on clothing, remove and wash before reuse.

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**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:** Powder

**COLOR:** White

**pH:** 3.5(5% solution)

**VAPOR PRESSURE:** Not Established

**VAPOR DENSITY:** Not Established

**BOILING POINT:** Not Applicable

**MELTING POINT:** Not Established

**SOLUBILITY IN WATER:** Soluble

**DENSITY:** 67 lbs/ cu. ft. at 20°C

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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:** Acid fumes.

**INCOMPATIBLE MATERIALS:** Other swimming pool/spa chemicals in their concentrated forms. Bases. Strong alkalis.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**ORAL LD<sub>50</sub>:** >2000 mg/kg of body weight in rats

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

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## 13. DISPOSAL CONSIDERATIONS

**PRODUCT DISPOSAL:** Dispose of unused, uncontaminated product in compliance with local, state and federal regulations.

**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:** Corrosive Solids, N.O.S., (Contains Sulfamic Acid)

**PRIMARY HAZARD CLASS/DIVISION:** 8 (Corrosive)  
**UN/NA NUMBER:** 1759  
**PACKING GROUP:** III  
**OTHER SHIPPING INFORMATION:** Limited Quantity

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**15. REGULATORY INFORMATION****UNITED STATES**

**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.

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**16. OTHER INFORMATION**

**PREPARED BY:** Regulatory Affairs

**REVISION SUMMARY** Revision #: 1

This MSDS replaces the January 05, 2000 MSDS. Any changes in information are as follows:

In Section 1  
Prepared By

In Section 9  
(Group Field) for Vapor Pressure (Group Field) for Vapor Pressure Density (Group Field) for Boiling Point (Group Field) for Melting Point

**HMIS RATING**

<b>HEALTH:</b>		3
<b>FLAMMABILITY:</b>		0
<b>PHYSICAL HAZARD:</b>		0
<b>PERSONAL PROTECTION:</b>		B

**NFPA RATING**

<b>HEALTH:</b>	3
<b>FIRE:</b>	0
<b>REACTIVITY:</b>	0

**Key**

4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal

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