

MATERIAL SAFETY DATA SHEET

MSDS



Date Issued: 01/05/2000
 MSDS No: BBIO23739
 Date-Revised: 06/09/2007
 Revision No: 3

BioGuard Stain Remover**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., A Chemtura Company
 BioGuard
 P.O. Box 300002
 Lawrenceville GA 30049-1002
Customer Care Number: 800-859-7946

24 HR. EMERGENCY TELEPHONE NUMBERS

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

2. 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.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CHRONIC EFFECTS: There are no known chronic hazards.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %
Proprietary blend of multiple dry acids.	99.5

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. Keep spill out of sewers and open bodies of water. 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

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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: Odorless

APPEARANCE: Powder

COLOR: White

pH: 3.5

Notes: (5% solution)

VAPOR PRESSURE: Not Established

VAPOR DENSITY: Not Established

BOILING POINT: Not Applicable

MELTING POINT: Not Established

FLASHPOINT AND METHOD: None

SOLUBILITY IN WATER: Soluble

DENSITY: 67 lbs/ cu. ft. at 20°C

10. STABILITY AND REACTIVITY

STABILITY: This product is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

CONDITIONS TO AVOID: High temperature. Poor ventilation. Contamination. Moisture/high humidity.

HAZARDOUS DECOMPOSITION PRODUCTS: Acid fumes.

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

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: > 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

IARC: This product is not listed as a carcinogen by IARC.

NTP: This product is not listed as a carcinogen by NTP.

OSHA: This product is not listed as a carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

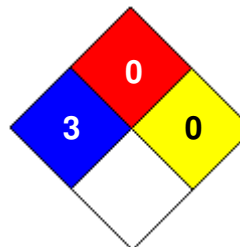
PRODUCT DISPOSAL: Dispose of unused, uncontaminated product in compliance with local, state and federal regulations.

EMPTY CONTAINER: Do not reuse container. Rinse thoroughly before discarding in trash.

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 or ORM-D Consumer Commodity exemption if applicable.**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No**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.**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.**16. OTHER INFORMATION****PREPARED BY:** Regulatory Affairs**REVISION SUMMARY:** Revision #: 3 This MSDS replaces the June 06, 2007 MSDS. Any changes in information are as follows:**HMIS RATING**

HEALTH:	1	3
FLAMMABILITY:	0	0
PHYSICAL HAZARD:	0	0
PERSONAL PROTECTION:	B	

NFPA CODES**NFPA STORAGE CLASSIFICATION:** NFPA Corrosive Solid**COMMENTS:** The contents and format of this MSDS are in accordance with OSHA Hazard Communication Standard, National Fire Protection Association (NFPA), and Hazardous Materials Identification System (HMIS).**MANUFACTURER DISCLAIMER: IMPORTANT:** The 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, provincial, state, municipal, 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.