

**BioGuard® Balancer / Equilibreur Lo' N Slo**

Version:	1
Revision Date:	11/06/2007
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Chemtura Corporation urges the recipient of this Safety Data Sheet 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® Balancer / Equilibreur Lo' N Slo

Product Use Description: Swimming Pool Product

EPA Registration Number: 5185-50001

Company: Bio-Lab, Inc., A Chemtura Company  
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

Customer Service: 1-800-859-7946

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

**SECTION 2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**DANGER!**

Form: granules  
Colour: off-white  
Odour: Sulfate

Causes eye burns.  
Causes skin burns.  
May cause respiratory tract irritation.

OSHA Hazards:  
THIS MATERIAL IS HAZARDOUS UNDER THE  
CRITERIA OF THE FEDERAL OSHA HAZARD

MSDS Number: BIOG\_4500256

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Do not get in eyes, on skin, or on clothing.  
Do not ingest.  
Avoid breathing dust.

COMMUNICATION STANDARD 29CFR 1910.1200.

**Potential Health Effects**

- Primary Routes of Entry : Skin contact  
Inhalation  
Ingestion  
Eye contact
- Inhalation : May cause respiratory tract irritation.
- Skin : Causes skin burns.
- Eyes : Causes eye burns.
- Ingestion : Harmful if swallowed.
- Chronic Exposure : There are no known chronic hazards.

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

**Hazardous components**

Component	CAS-No.	Weight %
Sodium bisulfate	7681-38-1	91.5 - 94.7
Sodium sulfate	7757-82-6	4.8 - 8

**SECTION 4. FIRST AID MEASURES**

**First aid procedures**

- Inhalation : Remove to fresh air.  
If not breathing, give artificial respiration.  
If breathing is difficult, give oxygen.
- Skin contact : Wash off immediately with plenty of water for at least 15 minutes.  
Get medical attention if irritation develops and persists.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.  
Get medical attention.
- Ingestion : If swallowed, DO NOT induce vomiting.

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Drink 1 or 2 glasses of water.  
Get medical attention immediately.

**Notes to physician**

Treatment : Eyes: Natural watering of eyes will dissolve sodium bisulfate, forming a weak sulfuric acid solution which may cause burns.  
Flush with plenty of water.  
Do not use chemical antidotes or neutralizing solutions.  
Skin: Mild burns may occur if not thoroughly flushed previously.  
Inhalation: Mild burning sensations may occur to mucous membranes and upper respiratory tract.  
Ingestion: Body water content will react with sodium bisulfate to form a weak sulfuric acid solution, which may burn tissues in mouth, esophagus or stomach.  
Solution should be diluted to reduce burning effect.

**SECTION 5. FIRE-FIGHTING MEASURES**

**Flammable properties**

Flash point : not applicable

**Protective equipment and precautions for firefighters**

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

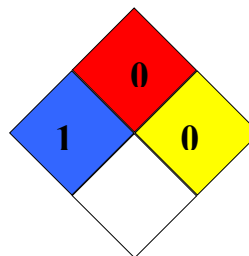
Unsuitable extinguishing media : Avoid water contact to material if possible as contact with water forms sulfuric acid solution. Precautions for exposure to sulfuric acid should be followed.

Hazardous decomposition products : Heating or fire can release toxic gas.  
Sulphur oxides

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: 1  
Fire Hazard: 0  
Reactivity Hazard: 0



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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Environmental precautions : Do not allow material to contaminate ground water system.  
Do not flush into surface water or sanitary sewer system.
- Methods for containment /  
Methods for cleaning up : Using 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 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 dust.  
Mix only with water.  
Never add water to this product.  
Always add product to large quantities of water.  
Do not mix with other chemicals.  
Use only clean and dry utensils.  
Do not add this product to any dispensing devices containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion.  
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.

**Storage**

- Requirements for storage areas and containers : Keep this product dry in its original container.  
Keep tightly closed in a dry, cool and well-ventilated place.  
Keep out of reach of children.
- Other data : Stable under normal conditions.

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

**Engineering measures**

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

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**Personal protective equipment**

- Eye protection : Goggles  
Safety glasses with side-shields
- Hand protection : Wear rubber gloves.
- Respiratory protection : 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.
- Hygiene measures : Remove and wash contaminated clothing before re-use.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

- Form : granules
- Colour : off-white
- Odour : Sulfate

**Safety data**

- Flash point : not applicable
- pH : < 1  
5% Solution
- Freezing point : Not Available
- Melting point/range : 350.01 °F (176.67 °C)
- Boiling point/boilingrange : not applicable
- Vapour pressure : Not Available
- Density : 1.3 g/cm3
- Water solubility : 1,080 g/l  
at 68 °F (20 °C)  
completely soluble
- Relative vapour density : Not Available
- Evaporation rate : not applicable

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**SECTION 10. STABILITY AND REACTIVITY**

- Conditions to avoid : High temperatures.  
Poor ventilation.  
Contamination  
Moisture/high humidity.
- Materials to avoid : Do not mix with other chemicals.  
Chlorine bleach  
Ammonia  
alkalines  
Do not mix with other swimming pool/spa chemicals in their concentrated forms.
- Hazardous decomposition products : Type: Hazardous decomposition products Heating or fire can release toxic gas.  
Sulphur oxides
- Hazardous reactions : Hazardous polymerisation does not occur.
- Note : Stable under normal conditions.

**SECTION 11. TOXICOLOGICAL INFORMATION**

- Acute oral toxicity : LD50 rat  
Dose: 2,800 mg/kg
- Skin irritation : Moderate irritant.  
May cause burns or external ulcers.
- Eye irritation : Mild to severe irritant.  
May cause burns or external ulcers.
- Sensitisation : This product is not expected to be a skin sensitizer.
- IARC**  
(Product) : US. IARC Monographs on Occupational Exposures to Chemical Agents  
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- NTP**  
(Product) : US. National Toxicology Program (NTP) Report on Carcinogens  
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHAS P**  
(Product) : US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)  
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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**SECTION 12. ECOLOGICAL INFORMATION**

Additional ecological information : May be toxic to fish.  
May be toxic to aquatic organisms.  
Do not allow material to contaminate ground water system.  
Do not flush into surface water or sanitary sewer system.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Further information : Dispose of waste material in compliance with all federal, state, and local regulations.  
Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor.

Contaminated packaging : Do not re-use empty containers.  
Rinse thoroughly before discarding in trash.

**SECTION 14. TRANSPORT INFORMATION**

**DOT** Not dangerous goods

**TDG** Not dangerous goods

**IATA** Not dangerous goods

**IMDG** Not dangerous goods

**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.

**Hazards** : Acute Health Hazard

**US SARA 313 (Product)** : US. Environmental Protection Agency (EPA); Title III of Superfund Amendments and Reauthorization Act (SARA) of 1986 Section 313 Reportable Chemicals List, Toxic chemical listings and de minimis concentrations as amended by US Federal Register Final rules. **Remarks:** Not listed

**TSCA\_12b (Product)** : US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)  
**Remarks:** Not listed

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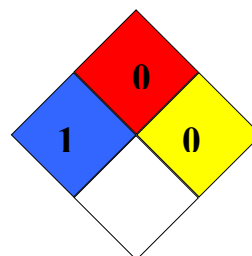
The components of this product are reported in the following inventories:  
TSCA

Additional advice :FIFRA (Federal Insecticide, Fungicide, Rodenticide Act): This product is not a registered pesticide.

**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA Classification** : Health Hazard: 1  
Fire Hazard: 0  
Reactivity Hazard: 0



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

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 Chemtura Corporation, it is the user's obligation to determine the conditions of safe use of the products.