

**BioGuard® Scale Inhibitor™**

Version:	1
Revision Date:	11/20/2007
Print Date:	05/28/2008

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® Scale Inhibitor™

Product Use Description: Spa and Hot Tub Product

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  
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**SECTION 2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**DANGER!**

Form: liquid  
Colour: clear  
light yellow

Corrosive  
Causes eye burns.  
May cause skin irritation.  
May be harmful if swallowed.  
Avoid breathing vapors.

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Do not get in eyes, on skin, or on clothing.

**Potential Health Effects**

- Inhalation : May cause irritation of respiratory tract.
- Skin : May cause skin irritation.
- Eyes : Causes eye burns.
- Ingestion : May be harmful if swallowed.

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

**Hazardous components**

Component	CAS-No.	Weight %
Hydroxyethylidene diphosphonic acid	2809-21-4	10 - 20
Polymaleic Acid	26099-09-2	10 - 20

**SECTION 4. FIRST AID MEASURES**

**First aid procedures**

- Inhalation : Remove to fresh air.  
Obtain medical attention for any breathing difficulties.
- Skin contact : Wash off with soap and plenty of water.  
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.  
Call a POISON CENTRE or doctor/physician.
- Ingestion : IF SWALLOWED: 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.

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**SECTION 5. FIRE-FIGHTING MEASURES**

**Flammable properties**

Flash point : Not Available

**Protective equipment and precautions for firefighters**

Suitable extinguishing media : Dry chemical  
Water  
Foam  
Carbon dioxide (CO2)  
Keep containers and surroundings cool with water spray.

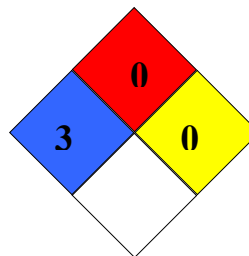
Hazardous decomposition products : Carbon oxides

Further information : There are no unusual fire and explosion hazards known.

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: 0  
Reactivity Hazard: 0



**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".

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**SECTION 7. HANDLING AND STORAGE**

**Handling**

Advice on safe handling : Avoid contact with skin, eyes and clothing.  
Avoid breathing vapors.  
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.

**Storage**

Requirements for storage areas and containers : Store in original container.  
Keep tightly closed.  
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.

**Personal protective equipment**

Eye protection : Safety glasses with side-shields  
Hand protection : Wear rubber gloves.  
Skin and body protection : Remove and wash contaminated clothing before re-use.  
Respiratory protection : In processes where mists or vapors may be generated, a NIOSH/MSHA approved respirator is advised in the absence of proper environmental controls.  
Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Form : liquid

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Colour : clear  
light yellow

**Safety data**

Flash point : Not Available  
pH : < 3  
Freezing point : Not Available  
Boiling point/boilingrange : Not Available  
Vapour pressure : Not Available  
Density : 9.08 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  
Hazardous reactions : Hazardous polymerisation does not occur.

Note : Stable under normal conditions.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Eye irritation : Causes eye burns.  
Do not get in eyes.

**IARC** : US. IARC Monographs on Occupational Exposures to Chemical Agents  
(Product) : 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.



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

**SECTION 15. REGULATORY INFORMATION**

**National regulatory information**

**SARA Hazard category** : Acute Health Hazard

**US SARA 313** : US. Environmental Protection Agency (EPA); Title III of Superfund  
(Product) : 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

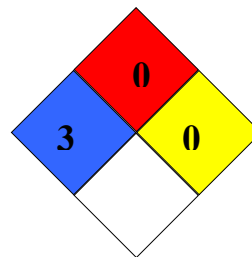
**TSCA\_12b** : US. Toxic Substances Control Act (TSCA) Section 12(b) Export  
(Product) : Notification (40 CFR 707, Subpt D)  
**Remarks:** Not listed

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

**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA Classification** : Health Hazard: 3  
Fire Hazard: 0  
Reactivity Hazard: 0



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

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