

**BioGuard® Chem Out®**

Version:	1
Revision Date:	11/20/2007
Print Date:	09/15/2009

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® Chem Out®

Product Use Description: Swimming Pool Product

Chemical nature: Inorganic salt

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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**SECTION 2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**CAUTION!**

Form: crystalline  
Colour: white  
Odour: Odorless

May cause eye irritation.  
May cause skin irritation.  
May be harmful if swallowed.

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

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May cause respiratory tract irritation.  
Avoid breathing dust.

COMMUNICATION STANDARD 29CFR 1910.1200.

Do not get in eyes, on skin, or on clothing.  
SULFITE WARNING: CONTAINS SODIUM SULFITE,  
MAY CAUSE ALLERGIC REACTION AND BREATHING  
DIFFICULTIES IN SULFITE SENSITIVE INDIVIDUALS.

**Potential Health Effects**

Primary Routes of Entry : Inhalation  
Eye contact  
Skin contact  
Ingestion

Inhalation : May cause respiratory tract irritation.

Skin : May cause skin irritation.

Eyes : May cause eye irritation.

Ingestion : May be harmful if swallowed.

Chronic Exposure : There are no known chronic hazards.

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

**Hazardous components**

Component	CAS-No.	Weight %
sodium sulphite	7757-83-7	> 94
Sodium sulfate	7757-82-6	< 5
sodium chloride	7647-14-5	< 2

**SECTION 4. FIRST AID MEASURES**

**First aid procedures**

Inhalation : Remove to fresh air.  
If breathing is difficult, give oxygen.  
If not breathing, give artificial respiration.  
Call a physician immediately.

Skin contact : Rinse immediately with plenty of water for at least 15 minutes.  
If skin irritation occurs, seek medical advice/attention.

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- 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 give large quantities of water to drink.  
Do NOT induce vomiting.  
Use of alcoholic beverages may enhance toxic effects.  
Never give anything by mouth to an unconscious person.  
Call a physician or poison control centre immediately.

**SECTION 5. FIRE-FIGHTING MEASURES**

**Flammable properties**

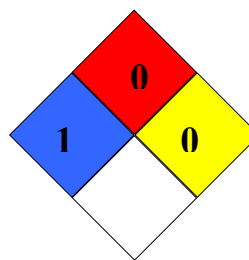
Flash point : not applicable

**Protective equipment and precautions for firefighters**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Hazardous decomposition products : Sulphur oxides  
Sulphur trioxide
- 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: 1  
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.  
Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry

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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.  
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 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.

**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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Form : crystalline  
Colour : white  
Odour : Odorless

**Safety data**

Flash point : not applicable  
pH : 9 - 10  
1% Solution  
Melting point/range : Decomposes before melting.  
Boiling point/boilingrange : not applicable  
Vapour pressure : not applicable  
Bulk density : 1,362 - 1,522 kg/m3  
Water solubility : 125 g/l  
Relative vapour density : not applicable

**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid : Moisture/high humidity.  
Poor ventilation.  
High temperatures.  
Contamination

Materials to avoid : Do not mix with other swimming pool/spa chemicals in their concentrated forms.  
Strong mineral acids  
Strong oxidizing agents  
Organic materials

Hazardous decomposition products : Type: Hazardous decomposition products Sulphur oxides  
Sulphur trioxide

Hazardous reactions : Hazardous polymerisation does not occur.

Note : Stable under normal conditions.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity (Component) : sodium chloride  
LD50 rat  
Dose: 3 g/kg

Acute dermal toxicity (Component) : sodium chloride  
LD50 rabbit  
Dose: > 10 g/kg

Acute inhalation toxicity (Component) : sodium chloride  
LC50 rat  
Exposure time: 1 h  
Dose: g/m3 > 42

Skin irritation : May cause skin irritation.

Eye irritation : May cause eye irritation.

**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.

**OSHASp** (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.

**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.

Contaminated packaging : Do not re-use empty containers.

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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

Not regulated for transport

**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.

**US. EPA CERCLA (Product)** : US. EPA CERCLA Hazardous Substances (40 CFR 302) **Remarks:** Not listed

**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

**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**

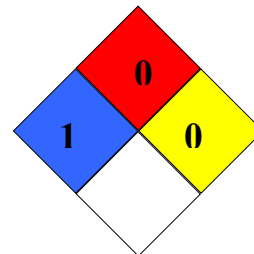
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Fire Hazard: 0  
Reactivity Hazard: 0



**HMS Classification** : Health Hazard: 2  
Flammability: 0  
Physical and chemical hazards: 1  
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.