

**BIOGUARD® MINERAL SPRINGS®
RENEWAL**

Version:	1.0
Revision Date:	07/11/2008
Print Date:	09/15/2009

The recipient of this Safety Data Sheet is urged 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® MINERAL SPRINGS® RENEWAL

Product Use Description: Recreational Water Product

Company: Bio-Lab, Inc.
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

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Customer Service: (800) 859-7946

Prepared by: Product Safety Department
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
Email: MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

DANGER!

Form: granules
Colour: white
Odour: Floral Mint.

Causes eye irritation.
Causes skin irritation.
Eye burns may occur.
May cause burns or external ulcers.
May be harmful if swallowed.
May cause respiratory tract irritation.
Avoid breathing dust.
Do not get in eyes, on skin, or on clothing.

OSHA Hazards:
THIS MATERIAL IS HAZARDOUS UNDER THE
CRITERIA OF THE FEDERAL OSHA HAZARD
COMMUNICATION STANDARD 29CFR 1910.1200.

**BIOGUARD® MINERAL SPRINGS®
RENEWAL**

Version:	1.0
Revision Date:	07/11/2008
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Potential Health Effects

Primary Routes of Entry : Inhalation
Eye contact
Skin contact
Ingestion

Inhalation : May cause respiratory tract irritation.

Skin : Causes skin irritation.
May cause burns or external ulcers.

Eyes : Causes eye irritation.
Eye burns may occur.

Ingestion : May be harmful if swallowed.

Chronic Exposure : This product contains a boron compound. This boron compound when fed to test animals at very high doses, has shown reproductive and developmental toxicity. When this product is used according to label directions, the boron compound in this product does not represent a practical risk to man.

SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Concentration
Sodium bisulfate	7681-38-1	20 - 25 %
Trade secret 002		< 10 %
Trade Secret 001		< 5 %
Organic acid 012		1 - 3 %

SECTION 4. FIRST AID MEASURES

First aid procedures

Inhalation : Remove to fresh air.
Give oxygen or artificial respiration if needed.
Call a POISON CENTRE or doctor/physician.

Skin contact : Remove contaminated clothing and shoes.
Rinse immediately with plenty of water for at least 15 minutes.
Call a POISON CENTRE or doctor/physician.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15

**BIOGUARD® MINERAL SPRINGS®
RENEWAL**

Version:	1.0
Revision Date:	07/11/2008
Print Date:	09/15/2009

minutes.
Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.
Call a POISON CENTRE or doctor/physician.

Ingestion : Call a physician or poison control centre immediately.
Do not induce vomiting unless told to do so by the poison control center or doctor.
Have person sip a glass of water if able to swallow.
Do not give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point : not applicable

Protective equipment and precautions for firefighters

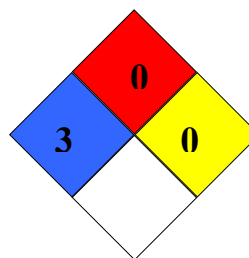
Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Environmental precautions : 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.

**BIOGUARD® MINERAL SPRINGS®
RENEWAL**

Version:	1.0
Revision Date:	07/11/2008
Print Date:	09/15/2009

Additional advice : Treat recovered material as described in the section "Disposal considerations".
Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.

SECTION 7. HANDLING AND STORAGE

Handling

Advice on safe handling : Avoid contact with skin, eyes and clothing.
Avoid breathing dust.
Do not mix with other chemicals.
Mix only with water.
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.
For bags: Store dry product in its original unopened bag until use. For partially used bags, fold over top of bag and secure with adhesive tape.
Keep in a dry, cool and well-ventilated place.
Keep out of reach of children.
Keep away from animals.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Components with workplace control parameters

Components / CAS-No.	Value - Basis - Update	Control parameters	Further information
Trade secret 002	TWA ; ACGIH 2005-01-01	2 mg/m3	A4: The agent (mixture, or exposure circumstance) is not classifiable as to its carcinogenicity to humans. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract.
Trade secret 002	STEL ; ACGIH 2005-01-01	6 mg/m3	A4: The agent (mixture, or exposure circumstance) is not classifiable as to its carcinogenicity to humans. Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract.

Exposure Guidelines

Components with workplace control parameters

Components / CAS-No.	Value - Basis - Update	Control parameters	Further information
Trade Secret 001	TWA ; OSHA PO 1989-03-01	2 mg/m3	Calculated as AI
Trade Secret 001	TWA ; ACGIH	2 mg/m3	Calculated as AIsoluble

**BIOGUARD® MINERAL SPRINGS®
RENEWAL**

Version:	1.0
Revision Date:	07/11/2008
Print Date:	09/15/2009

1994-09-01

Engineering measures

Engineering measures : Use with adequate ventilation.
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.

Respiratory protection : No personal respiratory protective equipment normally required.
If product is used in an area with poor ventilation and mist or vapor is expected, a respirator that meets OSHA/ANSI standards may be required.

Hygiene measures : Remove and wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : granules

Colour : white

Odour : Floral Mint.

Safety data

Flash point : not applicable

pH : 2.2
1% Solution

Melting point/range : Not Available

Vapour pressure : Not Available

Water solubility : soluble

Relative vapour density : Not Available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Moisture/high humidity.

MSDS Number: BIOG_4500323

**BIOGUARD® MINERAL SPRINGS®
RENEWAL**

Version:	1.0
Revision Date:	07/11/2008
Print Date:	09/15/2009

Poor ventilation.
High temperatures.
Contamination

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

Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Skin irritation : Causes skin irritation.
May cause burns or external ulcers.

Eye irritation : Causes eye irritation.
Eye burns may occur.

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information : May be toxic to fish.
May be toxic to aquatic organisms.
Do not contaminate surface water.

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.
Rinse thoroughly before discarding in trash.

SECTION 14. TRANSPORT INFORMATION

DOT UN-Number : 1759

MSDS Number: BIOG_4500323

**BIOGUARD® MINERAL SPRINGS®
RENEWAL**

Version:	1.0
Revision Date:	07/11/2008
Print Date:	09/15/2009

Proper shipping name : Corrosive solids, n.o.s.
Proper technical name (CONTAINS SODIUM BISULFATE)
Class : 8
Packing group : II

IATA UN-Number : 1759
Proper shipping name : Corrosive solid n.o.s.
Proper technical name (CONTAINS SODIUM BISULFATE)
Class : 8
Packing group : II

IMDG UN-Number : 1759
Proper shipping name : CORROSIVE SOLID, N.O.S.
Proper technical name (CONTAINS SODIUM BISULFATE)
Class : 8
Packing group : II

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

**BIOGUARD® MINERAL SPRINGS®
RENEWAL**

Version:	1.0
Revision Date:	07/11/2008
Print Date:	09/15/2009

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.

SARA Hazard category : Acute Health Hazard

US. EPA CERCLA (Product) : US. EPA CERCLA Hazardous Substances (40 CFR 302)

Listed

US CERCLA (Component) : US. Environmental Protection Agency (EPA); The 1980 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

Reportable quantity: 5,000 lbs

Trade Secret 001

< 5 %

US State Regulations

US MA RTK (Component) : US. The Commonwealth of Massachusetts Department of Public Health; Massachusetts Right-to-know law, The Massachusetts Substance List, 105 CMR 670.000

Massachusetts hazardous substance

Trade Secret 001

< 5 %

US NJ RTK (Component) : US. New Jersey Department of Environmental Protection -; Bureau of Hazardous Substances New Jersey Right to Know Law, Hazardous Substance List [P.L. 1983, C. 315, NJSA 34:5A-1 et seq]

special health hazard substance, special health hazard, corrosive

Sodium bisulfate

7681-38-1

20 - 25 %

hazardous substance

Trade Secret 001

< 5 %

**BIOGUARD® MINERAL SPRINGS®
RENEWAL**

Version:	1.0
Revision Date:	07/11/2008
Print Date:	09/15/2009

US PA RTK
(Component)

: US. Commonwealth of Pennsylvania - Department of Labor and Industry;
Pennsylvania Code Title 34, Labor and Industry Chapter 323

environmental hazard, hazardous substance

Trade Secret 001

< 5 %

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

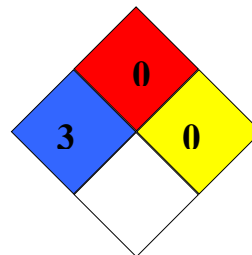
Additional advice :

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

SECTION 16. OTHER INFORMATION

Further information

NFPA Classification : Health Hazard: 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

Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+52 113 711 91 44
	All other countries	+44 (0)208 762 8322
<u>Mexico:</u>		+52 555 004 87 63

**BIOGUARD® MINERAL SPRINGS®
RENEWAL**

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