

# Material Safety Data Sheet

## BIOGUARD® CHEM OUT®

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/05/2014

### 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.  
BioGuard  
P.O. Box 300002  
Lawrenceville, GA  
30049-1002

Telephone: (800) 859-7946

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300, 703-527-3887  
Poison Control Center (Medical) :: (877) 800-5553  
Customer Care: 800-998-7946

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

Prepared by Product Safety Department

01/01/2014

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### Caution

Form: crystalline      Colour: white      Odour: odourless

Hazard Summary : May cause eye irritation.  
May cause skin irritation.  
May be harmful if swallowed.  
May cause respiratory tract irritation.  
Avoid breathing dust.  
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.

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

#### Potential Health Effects

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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 : None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component / CAS-No.	Weight percent
sodium sulphite 7757-83-7	> 94 %

### 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.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.  
Call a POISON CENTER 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. FIREFIGHTING MEASURES

#### Flammable properties

Flash point : Remarks: not applicable

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### Fire fighting

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.

### Protective equipment and precautions for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

## 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 containers for disposal.

Additional advice : Treat recovered material as described in the section "Disposal considerations".

## SECTION 7. HANDLING AND STORAGE

### Handling

Handling procedures : 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.  
Keep away from animals.

Other data : Stable under normal conditions.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

### Engineering measures

Engineering measures : Use only with adequate ventilation.

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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.

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 : crystalline

Colour : white

Odour : odourless

### Safety data

Flash point : Note: not applicable

pH : 9 - 10  
Note: 1% Solution

Melting point/range : Note: Decomposes before melting.

Boiling point/boiling range : Note: not applicable

Vapour pressure : not applicable

Bulk density : 1,362 - 1,522 kg/m<sup>3</sup>

Water solubility : 125 g/l

Note: no data available

Partition coefficient: n-octanol/water : Note: no data available

Viscosity, kinematic : Note: not applicable

Relative vapour density : Note: not applicable

## SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Moisture/high humidity.

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- Poor ventilation.  
High temperatures.  
Contamination
- Materials to avoid : Remarks: Do not mix with other swimming pool/spa chemicals in their concentrated forms.  
Strong mineral acids  
Strong oxidizing agents  
Organic materials
- Hazardous decomposition products : Note: Sulphur oxides  
Sulphur trioxide
- Hazardous reactions : Hazardous polymerisation does not occur.

### SECTION 11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity sodium sulphite : LD50: > 2,000 mg/kg  
Species: rat
- Acute inhalation toxicity sodium sulphite : LC50: > 5.5 mg/l  
Exposure time: 4 h  
Species: rat
- Skin irritation : Remarks: May cause skin irritation.
- Eye irritation : Remarks: May cause eye irritation.
- CMR effects sodium sulphite : Teratogenicity: No effects on or via lactation

### 12. ECOLOGICAL INFORMATION

- Toxicity to fish sodium sulphite : LD50: 220 - 460 mg/l  
Exposure time: 96 h
- Species: Leuciscus idus (Golden orfe)  
static test
- Further information on ecology**
- 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.

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## 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.  
Offer rinsed packaging material to local recycling facilities.

## SECTION 14. TRANSPORT INFORMATION

### DOT

Not dangerous goods

### **TDG**

Not dangerous goods

### **IATA**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **RID**

Not dangerous goods

Not regulated for transport

## SECTION 15. REGULATORY INFORMATION

- OSHA Hazards** : This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

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

- US.TSCA** : On TSCA Inventory
- DSL** : All components of this product are on the Canadian DSL list.
- AICS** : On the inventory, or in compliance with the inventory
- NZIoC** : On the inventory, or in compliance with the inventory
- ENCS** : On the inventory, or in compliance with the inventory
- KECI** : On the inventory, or in compliance with the inventory
- PICCS** : On the inventory, or in compliance with the inventory

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**IECSC** On the inventory, or in compliance with the inventory

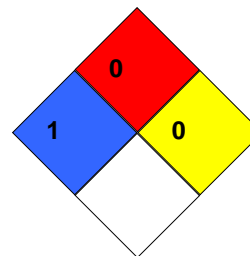
**TSCA list Information** US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)  
ZUS T12B  
Not relevant

### SECTION 16. OTHER INFORMATION

#### Further information

**HMIS Classification** : Health hazard: 1  
Flammability: 0  
Physical hazards: 0  
PPI: Ask supervisor or safety specialist for handling instructions

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



#### Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+52 555 004 8763

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.