

# Material Safety Data Sheet

## BIOGUARD® REMEDY BANISH™

Version: 1.3

Revision Date: 12/27/2010

Print Date: 12/26/2014

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *BIOGUARD® REMEDY BANISH™*

Product Use Description: Recreational Water Product

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  
Chemtura Corporation Emergency Response: CHEMTURA : 800-292-5898  
  
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by: Product Safety Department  
(US) +1 866-430-2775  
  
+011-886-2-2712-5668      MSDSRequest@chemtura.com

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### Caution

Form: liquid      Colour: blue green      Odour: mild acidic

Hazard Summary : Harmful if swallowed.  
Irritating to eyes.  
Avoid breathing vapors.  
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.

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### Potential Health Effects

- Primary Routes of Entry : Eye contact  
Ingestion
- Inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- Skin : Not expected to cause skin irritation under normal use conditions.
- Eyes : Causes eye irritation.
- Ingestion : Harmful if swallowed.
- Chronic Exposure : None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component	CAS-No.	Weight percent
copper	7440-50-8	3.3 %
Trade Secret 020		< 2 %

### SECTION 4. FIRST AID MEASURES

#### First aid procedures

- Inhalation : Remove to fresh air.  
Give oxygen or artificial respiration if needed.  
Call a POISON CENTER or doctor/ physician.
- Skin contact : Remove contaminated clothing and shoes.  
Rinse immediately with plenty of water for at least 15 minutes.  
Call a POISON CENTER or doctor/ physician.
- Eye contact : Rinse immediately with plenty of water for at least 15 minutes.  
Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.  
Call a POISON CENTER 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.

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### SECTION 5. FIRE-FIGHTING MEASURES

#### Flammable properties

Flash point : Remarks: not applicable

#### Fire fighting

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

#### Protective equipment and precautions for firefighters

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.

### 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.  
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".

### SECTION 7. HANDLING AND STORAGE

#### Handling

Handling procedures : Avoid contact with skin, eyes and clothing.  
Avoid breathing vapors.  
Do not mix with other chemicals.  
Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.  
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.  
Store in a cool, dry, well ventilated area away from heat or open flame.  
Keep out of reach of children.  
Keep away from animals.

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### 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 020	C ACGIH 2007-01-01	2 mg/m3	
	C OSHA P0 1989-01-19	2 mg/m3	

#### 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 : No special protective equipment required.  
Wear as appropriate:  
Rubber gloves

Hygiene measures : Wash contaminated clothing before reuse.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Form : liquid  
Colour : blue green

Odour : mild  
acidic

#### Safety data

Flash point : Note: not applicable

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pH : 2 - 3  
Specific Gravity : 1.18 at

### SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: High temperatures.  
Poor ventilation.  
Contamination

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

Hazardous decomposition products : Note: Carbon oxides  
Copper oxides  
Sulphur oxides

Hazardous reactions : Hazardous polymerisation does not occur.

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50: 3,501 mg/kg  
Species: rat

Acute inhalation toxicity  
copper :

Acute dermal toxicity : LD50: > 5,000 mg/kg  
Species: rabbit

Skin irritation : Species: rabbit  
Result: No skin irritation

Eye irritation : Remarks: Moderate eye irritation

Sensitisation  
copper : Classification: Did not cause sensitization on laboratory animals.

CMR effects  
copper : Carcinogenicity: Animal testing did not show any carcinogenic effects.  
Mutagenicity: Animal testing did not show any mutagenic effects.  
Teratogenicity: No effects on or via lactation  
Reproductive toxicity: No toxicity to reproduction

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### 12. ECOLOGICAL INFORMATION

#### Further information on ecology

Additional ecological information : Toxic to aquatic organisms.  
Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### 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

UN number : 1760  
Description of the goods : Corrosive liquids, n.o.s.  
(Copper Sulfate)  
Class : 8  
Packing group : III  
ERG Code : 154

#### IATA

UN number : 1760  
Description of the goods : Corrosive liquid, n.o.s.  
(Copper Sulfate)  
Class : 8  
Packing group : III

#### IMDG

UN number : 1760

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Description of the goods : CORROSIVE LIQUID, N.O.S.  
(Copper Sulfate)

Class : 8

Packing group : III

EmS Letter 1 : F-A

EmS Letter 2 : S-B

Marine pollutant : yes  
Copper Sulfate

Not recommended for shipment by air

Limited Quantity exemption possible

ORM-D Consumer Commodity exemption possible

Not regulated by DOT and TDG if shipped or transported in packaging less than 450  
liters by road and/or rail.

#### SECTION 15. REGULATORY INFORMATION

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

**CERCLA Reportable  
Quantity** : 78 lbs

copper sulphate 7758-98-7 10 lbs

**SARA 311/312 Hazards** : Acute Health Hazard

#### EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

**SARA 302 Reportable  
Quantity** :

**SARA 313 Components** : Copper Sulfate 7758-98-7

#### SECTION 16. OTHER INFORMATION

##### Further information

**HMIS Classification** : Health hazard: 2  
Flammability: 0  
Physical hazards: 0

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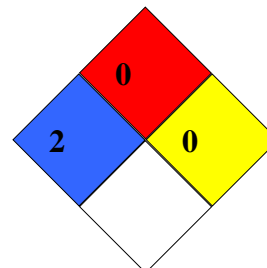
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### NFPA Classification

: Health hazard: 2  
Fire Hazard: 0  
Reactivity Hazard: 0



### 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

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.