# BIOGUARD® REMEDY BANISH™

Version: 1.4 Revision Date: 01/17/2014 Print Date: 03/05/2014

### **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name: BIOGUARD® REMEDY BANISH™

Product Use Description: Recreational Water Product

Registration number: 5185-474

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

01/17/2014

### **SECTION 2. HAZARDS IDENTIFICATION**

#### **Emergency Overview**

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-01	 on

Form: liquid <u>Colour</u>: blue green <u>Odour</u>: 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.

### **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.

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Skin : Not expected to cause skin irritation under normal use conditions.

Eyes : Causes eye irritation.

Ingestion : Harmful if swallowed.

Chronic Exposure : None known.

Carcinogenicity:

IARC 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.

**OSHA**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.

NTP 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.

ACGIH No component of this product present at levels greater than or equal to 0.1% is

identified as a carcinogen or potential carcinogen by ACGIH.

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

#### **Hazardous components**

Component / CAS-No.	Weight percent
copper (Fine-grained) 7440-50-8	3.3 %

### **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 the first 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. Never give anything by mouth to an unconscious person.

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#### SECTION 5. FIREFIGHTING 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

for firefighters

Special protective equipment : 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.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Exposure Guidelines**

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### Components with workplace control parameters

Components / CAS-No.	Value / Basis /	Control	Further information
	Update	parameters	
copper (Fine-grained) 7440-50-8	TWA	1 mg/m3	
7440-30-0	ACGIH		
	2008-01-01		
	TWA	1 mg/m3	
	OSHA P0		
	1989-01-19		
	TWA	0.2 mg/m3	
	ACGIH		
	2008-01-01		
	TWA	0.1 mg/m3	
	OSHA P0		
	1989-01-19		
	TWA	1 mg/m3	
	OSHA Z-1		
	2011-07-01		
	TWA	0.1 mg/m3	
	OSHA Z-1		
	2011-07-01		
	TWA	1 mg/m3	
	NIOSH REL		
	2005-09-01		

### **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 : No special protective equipment required.

Wear as appropriate: Rubber gloves

Hygiene measures : Wash contaminated clothing before reuse.

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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** 

Form : liquid Colour : blue green

Odour : mild

acidic

Safety data

Flash point : Note: not applicable

: 2-3 pН

Vapour pressure : no data available

Specific Gravity : 1.18 at

: Note: no data available Water solubility

Partition coefficient: n-

octanol/water

: Note: no data available

Viscosity, kinematic : Note: no data available

### **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 (Fine-grained)

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

Species: rabbit

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Skin irritation : Species: rabbit

Result: No skin irritation

Eye irritation : Remarks: Moderate eye irritation

Sensitisation

copper (Fine-grained) : Classification: Did not cause sensitization on laboratory animals.

CMR effects

copper (Fine-grained) : 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

#### 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, estuaries, oceans, or other waters unless in accordance with the requirements of the 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

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**IATA** 

UN number : 1760

Description of the goods : Corrosive liquid, n.o.s.

(Copper Sulfate)

Class : 8
Packing group : III
Labels : 8
Environmentally hazardous : no

**IMDG** 

UN number : 1760

Description of the goods : CORROSIVE LIQUID, N.O.S.

(Copper Sulfate)

Class : 8
Packing group : III
EmS Number 1 : F-A
EmS Number 2 : S-B

Marine pollutant : yes

Copper Sulfate

Environmentally hazardous : 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 sulphate 7758-98-7

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

US.TSCA On TSCA Inventory

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**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** Not 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

**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

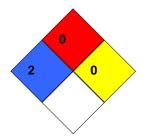
**Further information** 

HMIS Classification : Health hazard: 2

Flammability: 0 Physical hazards: 0

NFPA Classification : Health hazard: 2

Fire Hazard: 0 Reactivity Hazard: 0



#### **Other Emergency Phone Number**

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Latin America:	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
Mexico:		+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.

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