

# Material Safety Data Sheet

## BIOGUARD® OFF THE WALL®

Version: 1.0

Revision Date: 06/03/2010

Print Date: 03/15/2013

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *BIOGUARD® OFF THE WALL®*

Product Use Description: Recreational Water Product

Chemical nature: Hydrochloric Acid Solution.

Company: Bio-Lab, Inc.  
BioGuard  
P.O. Box 300002  
Lawrenceville, GA  
30049-1002

Emergency telephone: CHEMTREC: (24 hours) 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.

Prepared by: Product Safety Department  
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+011-886-2-2712-5668      MSDSRequest@chemtura.com

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### Warning

Form: Viscous liquid

Colour: dark red

Odour: amine-like sweet

Hazard Summary

:  
Harmful if swallowed.  
Do not ingest.  
Harmful if inhaled.  
Avoid breathing vapors.  
Use only with adequate ventilation.  
Irritating to eyes.  
Irritating to mucous membranes  
May cause skin irritation.  
Do not get in eyes, on skin, or on clothing.  
Do not handle until all safety precautions have been read and understood.

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#### 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 : Skin contact  
Inhalation  
Ingestion  
Eye contact

Inhalation : Harmful if inhaled.

Skin : May cause skin irritation.

Eyes : Irritating to eyes.

Ingestion : Harmful if swallowed.

Chronic Exposure : None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component	CAS-No.	Weight percent
hydrogen chloride	7647-01-0	8 - 9.8 %
Ethoxylated aliphatic amines		8 - 10 %

### 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, also under the eyelids, for at least 15 minutes.  
Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.

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Ingestion : Call a POISON CENTER or doctor/physician.  
: 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 : Remarks: None.

##### Fire fighting

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

##### Protective equipment and precautions for firefighters

Specific hazards during fire fighting : Although not flammable, a latent fire or explosion hazard exists when product is in contact with certain metals or metallic surfaces, due to the formation of flammable hydrogen gas.

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

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.  
Mix only with water.  
Do not mix with other chemicals.

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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.  
Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.

### Storage

Requirements for storage areas and containers : Store in original container.  
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	<u>Further information</u>
hydrogen chloride 7647-01-0	C ACGIH 2007-01-01	2 ppm	
	C OSHA P1 2006-02-28	5 ppm 7 mg/m3	
	C OSHA P0 1989-01-19	5 ppm 7 mg/m3	

### Engineering measures

Engineering measures : Ensure that eyewash stations and safety showers are close to the workstation location.  
Use with adequate ventilation.

### Personal protective equipment

Eye protection : Safety glasses with side-shields  
Hand protection : Wear rubber gloves.  
Respiratory protection : If used in a confined area, respirator protection may be necessary.  
Hygiene measures : Remove and wash contaminated clothing before re-use.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Form : Viscous liquid  
Colour : dark red  
Odour : amine-like  
sweet

#### Safety data

Flash point : Note: None.  
pH : < 1  
Freezing point : -40 °F (-40 °C)  
Boiling point/boiling range : 215.1 °F (101.7 °C)  
Vapour pressure : < 0.00267 hPa (0.267 mmHg)  
Water solubility : Note: soluble  
Relative vapour density : Note: Not Available  
Evaporation rate : >1

### SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Poor ventilation.  
High temperatures.  
Contamination  
Materials to avoid : Remarks: Although not flammable, a latent fire or explosion hazard exists  
when product is in contact with certain metals or metallic surfaces, due to  
the formation of flammable hydrogen gas.  
Hazardous decomposition products : Note: Hydrogen, by reaction with metals  
Hazardous reactions : Hazardous polymerisation does not occur.

### SECTION 11. TOXICOLOGICAL INFORMATION

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Acute oral toxicity : LD50: 900 mg/kg  
Species: rabbit  
Remarks: Toxicological information given is for the active ingredient.

Acute inhalation toxicity : LC50: 3,124 mg/l  
Exposure time: 1 h  
Species: rat  
Remarks: Toxicological information given is for the active ingredient.

Skin irritation : Remarks: May cause skin irritation.

Eye irritation : Remarks: Causes eye irritation.

### 12. ECOLOGICAL INFORMATION

#### Further information on ecology

Additional ecological information : May be toxic to fish.  
May be toxic to aquatic organisms.  
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.  
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.  
(Hydrochloric Acid Solution)  
Class : 8  
Packing group : II  
ERG Code : 154

#### IATA

UN-Number : 1760

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Description of the goods : Corrosive liquid, n.o.s.  
(Hydrochloric Acid Solution)

Class : 8

Packing group : II

### **IMDG**

UN-Number : 1760

Description of the goods : CORROSIVE LIQUID, N.O.S.  
(Hydrochloric Acid Solution)

Class : 8

Packing group : II

EmS Letter 1 : F-A

EmS Letter 2 : S-B

Marine pollutant : no

Not recommended for shipment by air

Limited Quantity exemption possible

ORM-D Consumer Commodity exemption possible

### 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** : 5000 lbs

hydrogen chloride 7647-01-0 5000 lbs

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

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

**SARA 302 Reportable Quantity** : 5000 lbs

**SARA 313 Components** : Hydrochloric Acid 7647-01-0

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

Note: Listed

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### SECTION 16. OTHER INFORMATION

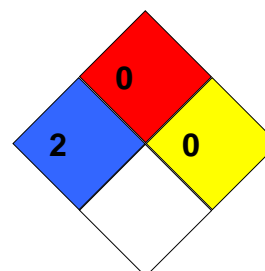
#### Further information

#### HMIS Classification

: Health hazard: 2  
Flammability: 0  
Reactivity: 0  
PPI: Ask supervisor or safety specialist for handling instructions

#### 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.