

Material Safety Data Sheet

BIOGUARD® OFF THE WALL®

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/05/2014

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

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

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.

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 : 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 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: 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 firefighting : 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 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.
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.
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.

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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
hydrogen chloride 7647-01-0	C ACGIH 2007-01-01	2 ppm	
	C OSHA Z-1 2006-02-28	5 ppm 7 mg/m ³	
	C OSHA P0 1989-01-19	5 ppm 7 mg/m ³	
	C NIOSH REL 2005-09-01	5 ppm 7 mg/m ³	

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : Viscous liquid

Colour : dark red

Odour : amine-like
sweet

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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
Water solubility	: Note: soluble
Partition coefficient: n-octanol/water	: Note: no data available
Viscosity, kinematic	: Note: no data available
Relative vapour density	: Note: no data 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

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.

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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
Description of the goods : Corrosive liquid, n.o.s.
(Hydrochloric Acid Solution)
Class : 8
Packing group : II
Labels : 8
Environmentally hazardous : no

IMDG

UN number : 1760
Description of the goods : CORROSIVE LIQUID, N.O.S.
(Hydrochloric Acid Solution)
Class : 8
Packing group : II
EmS Number 1 : F-A
EmS Number 2 : S-B

Marine pollutant : no
Environmentally hazardous : no

Not recommended for shipment by air

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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 : hydrogen chloride 7647-01-0

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 Not in compliance with the inventory

NZIoC Not in compliance with the inventory

ENCS Not in compliance with the inventory

KECI Not in compliance with the inventory

PICCS Not in compliance with the inventory

IECSC Not 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

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Not relevant

SECTION 16. OTHER INFORMATION

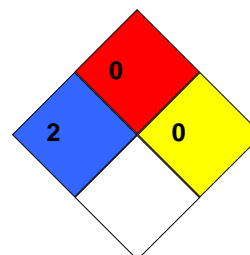
Further information

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	+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.