

OFF THE WALL POOL SPA CLEANER

Version:	1.0
Revision Date:	10/09/2008
Print Date:	09/15/2009

The recipient of this Safety Data Sheet is urged to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents and contractors of the information on this sheet,(2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: OFF THE WALL POOL SPA CLEANER

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 (US Transportation) :
(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.

Customer Service: (800) 859-7946

Prepared by: Product Safety Department
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
Email: MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

WARNING!

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

Harmful if swallowed.
Do not ingest.
Harmful if inhaled.
Avoid breathing vapors.
Use only with adequate ventilation.
Irritating to eyes.

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

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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.

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.	Concentration
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 CENTRE or doctor/physician.
- Skin contact : Remove contaminated clothing and shoes.
Rinse immediately with plenty of water for at least 15 minutes.
Call a POISON CENTRE 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.
Call a POISON CENTRE or doctor/physician.

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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.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point : None.

Protective equipment and precautions for firefighters

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

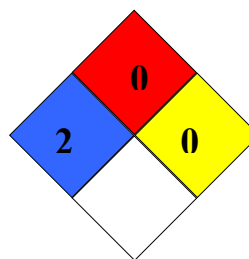
Hazardous decomposition products : Hydrogen, by reaction with metals

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.

Further information

NFPA Classification : Health Hazard: 2
Fire Hazard: 0
Reactivity Hazard: 0



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,

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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

Advice on safe handling : 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.

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	CEIL ; ACGIH 2003-01-01	2 ppm	A4: The agent (mixture, or exposure circumstance) is not classifiable as to its carcinogenicity to humans. ACGIH 2003 Adoption
hydrogen chloride 7647-01-0	CEIL ; OSHA PO 1989-03-01	5 ppm 7 mg/m3	
hydrogen chloride 7647-01-0	CEIL ; OSHA P1 1993-06-30	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

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- 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

Safety data

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

SECTION 10. STABILITY AND REACTIVITY

- Conditions to avoid : Poor ventilation.
High temperatures.
Contamination
- Materials to avoid : 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.

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Hazardous decomposition products : Type: Hazardous decomposition products
Hydrogen, by reaction with metals

Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

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

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

Skin irritation : May cause skin irritation.

Eye irritation : Causes eye irritation.

SECTION 12. ECOLOGICAL INFORMATION

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.

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SECTION 14. TRANSPORT INFORMATION

- DOT** UN-Number : 1760
Proper shipping name : Corrosive liquids, n.o.s.
Proper technical name (Hydrochloric Acid Solution,)
Class : 8
Packing group : II
- IATA** UN-Number : 1760
Proper shipping name : Corrosive liquid n.o.s.
Proper technical name (Hydrochloric Acid Solution,)
Class : 8
Packing group : II
- IMDG** UN-Number : 1760
Proper shipping name : CORROSIVE LIQUID, N.O.S.
Proper technical name (Hydrochloric Acid Solution,)
Class : 8
Packing group : II

Not recommended for shipment by air
Limited Quantity exemption possible
ORM-D Consumer Commodity exemption possible

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SECTION 15. REGULATORY INFORMATION

National regulatory information

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

SARA Hazard category : Acute Health Hazard

US. EPA CERCLA (Product) : US. EPA CERCLA Hazardous Substances (40 CFR 302)
Reportable quantity: 5,000 lbs Listed

US CERCLA (Component) : US. Environmental Protection Agency (EPA); The 1980 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).
Reportable quantity: 5,000 lbs
hydrogen chloride || 7647-01-0 || $\geq 8 - \leq 9.8 \%$

US SARA 302 (Component) : US. Environmental Protection Agency (EPA); Superfund Amendments and Reauthorization Act (SARA) Section 302 Extremely Hazardous Substances as amended by US Federal Register Final rules.
Reportable quantity: 5,000 lbs
hydrogen chloride || 7647-01-0 || $\geq 8 - \leq 9.8 \%$

EPCRA_302 (Product) : US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)
Reportable quantity: 5,000 lbs
Listed

US SARA 302 (Component) : US. Environmental Protection Agency (EPA); Superfund Amendments and Reauthorization Act (SARA) Section 302 Extremely Hazardous Substances as amended by US Federal Register Final rules.
TPQ (threshold planning quantity): 500 lbs
hydrogen chloride || 7647-01-0 || $\geq 8 - \leq 9.8 \%$

EPCRA_313 (Product) : US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required
TPQ (threshold planning quantity): 500 lbs
Listed

US SARA 313 (Component) : US. Environmental Protection Agency (EPA); Title III of Superfund Amendments and Reauthorization Act (SARA) of 1986 Section 313 Reportable Chemicals List, Toxic chemical listings and de minimis concentrations as amended by US Federal Register Final rules.

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De minimis concentration: 1 %		
hydrogen chloride	7647-01-0	>= 8 - <= 9.8 %

US State Regulations

US MA RTK
(Component)

:	<u>US. The Commonwealth of Massachusetts Department of Public Health; Massachusetts Right-to-know law, The Massachusetts Substance List, 105 CMR 670.000</u>	
	Extraordinarily hazardous, Massachusetts hazardous substance	
hydrogen chloride	7647-01-0	>= 8 - <= 9.8 %

US NJ RTK
(Component)

:	<u>US. New Jersey Department of Environmental Protection -; Bureau of Hazardous Substances New Jersey Right to Know Law, Hazardous Substance List [P.L. 1983, C. 315, NJSA 34:5A-1 et seq]</u>	
	special health hazard substance, special health hazard, corrosive	
hydrogen chloride	7647-01-0	>= 8 - <= 9.8 %
hazardous substance		
hydrogen chloride	7647-01-0	>= 8 - <= 9.8 %

US PA RTK
(Component)

:	<u>US. Commonwealth of Pennsylvania - Department of Labor and Industry; Pennsylvania Code Title 34, Labor and Industry Chapter 323</u>	
	environmental hazard, hazardous substance	
hydrogen chloride	7647-01-0	>= 8 - <= 9.8 %

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

Additional advice :

FIFRA (Federal Insecticide, Fungicide, Rodenticide Act): This product is not a registered pesticide.

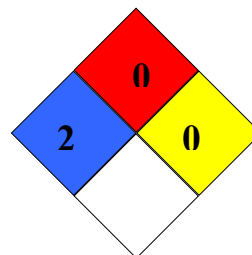
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SECTION 16. OTHER INFORMATION

Further information

NFPA Classification : Health Hazard: 2
Fire Hazard: 0
Reactivity Hazard: 0



HMIS Classification : Health Hazard: 2
Flammability: 0
Reactivity: 0
PPI: Ask supervisor or safety specialist for handling instructions

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. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of the seller, it is the user's obligation to determine the conditions of safe use of the products.