

# Material Safety Data Sheet

## BIOGUARD® SALTSCAPES™ CELL CLEANER

Version: 1.0

Revision Date: 11/25/2013

Print Date: 03/28/2014

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *BIOGUARD® SALTSCAPES™ CELL CLEANER*

Product Use Description: Recreational Water Product

Company: Manufacturer  
BioLab, Inc. a Chemtura Company  
1725 North Brown Road  
Lawrenceville, GA  
30043

Supplier  
Bio-Lab Canada, Inc.  
P.O. Box 245  
West Hill, ON  
M1E 4Y9

Telephone: 888-645-7946

Emergency telephone number: Poison Control Center (Medical) :: (877) 800-5553  
CANUTEC: (24 hours) 613-996-6666 (call collect)  
: 1-888-640-7946  
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  
11/25/2013 (US) +1 866-430-2775  
MSDSRequest@chemtura.com

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### **DANGER!**

Form: liquid      Colour: clear      Odour: odourless

Hazard Summary :  
poison  
Harmful if swallowed.  
May be fatal if swallowed.  
Causes eye burns.  
Causes skin burns.  
May cause respiratory tract irritation.  
Avoid breathing vapors.  
Do not get in eyes, on skin, or on clothing.  
Do not ingest.

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WHMIS Classification : D1B: Toxic Material Causing Immediate and Serious Toxic Effects Toxic by inhalation.  
E: Corrosive Material Corrosive to metals  
: Corrosive

### Potential Health Effects

Primary Routes of Entry : Eye contact  
Skin contact  
Inhalation  
Ingestion

Inhalation : May cause respiratory tract irritation.

Skin : Causes skin burns.

Eyes : Causes eye burns.

Ingestion : Harmful if swallowed.  
May be fatal if swallowed.

Chronic Exposure : None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component / CAS-No.	Weight percent
hydrogen chloride 7647-01-0	20 %

### SECTION 4. FIRST AID MEASURES

#### First aid procedures

Inhalation : Remove to fresh air.  
If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.  
Call a physician or poison control centre immediately.

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 physician or poison control centre immediately.

Ingestion : Immediately call a POISON CENTER or doctor/ physician.  
Have person sip a glass of water if able to swallow.  
Do NOT induce vomiting.  
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

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

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.  
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.

##### Storage

Requirements for storage areas and containers : Store in original container.  
Keep tightly closed 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) CA AB OEL 2009-04-30	2 ppm 3 mg/m3	
	C CA BC OEL 2006-11-29	2 ppm	
	CEV CA ON OEL 2005-12-17	2 ppm	
	C CA QC OEL 2006-12-29	5 ppm 7.5 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 : Goggles  
Safety glasses with side-shields

Hand protection : Wear rubber gloves.

Respiratory protection : A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hygiene measures : Remove and wash contaminated clothing before re-use.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

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Form : liquid  
Colour : clear  
Odour : odourless

#### Safety data

Flash point : Note: not applicable  
pH : < 1  
Freezing point : < -40 °F (-40 °C)  
Boiling point/boiling range : > 214.9 °F (101.6 °C)  
Vapour pressure : < 2 hPa  
Bulk density : Note: no data available  
Specific Gravity : 1.1 at 21 °C  
Water solubility : Note: completely miscible  
Relative vapour density : Note: no data available  
Evaporation rate : >1  
Note: (Butyl acetate = 1)

#### SECTION 10. STABILITY AND REACTIVITY

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

Materials to avoid : Remarks: Do not mix with other chemicals.  
Chlorine bleach  
Ammonia  
alkalines  
Do not mix with other swimming pool/spa chemicals in their concentrated forms.  
Metals

Hazardous decomposition products : Note: Hydrogen, by reaction with metals  
Inorganic vapors.  
Acid fumes.

Hazardous reactions : Hazardous polymerisation does not occur.

#### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50: 900 mg/kg  
Species: rabbit  
Remarks: Information refers to the main component.

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Acute inhalation toxicity : LC50: Exposure time: 1 h  
Species: rat  
Remarks: Information refers to the main component.

Skin irritation : Remarks: May cause burns or external ulcers.

Eye irritation : Remarks: May cause burns or external ulcers.

### 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

#### TDG

UN number : 3264  
Description of the goods : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
(Hydrochloric Acid Solution)  
Class : 8  
Packing group : II  
Labels : 8  
Environmentally hazardous : no

#### IATA

UN number : 3264  
Description of the goods : Corrosive liquid, acidic, inorganic, n.o.s.  
(Hydrochloric Acid Solution)  
Class : 8  
Packing group : II  
Labels : 8  
Environmentally hazardous : no

#### IMDG

UN number : 3264  
Description of the goods : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
(Hydrochloric Acid Solution)

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

Marine pollutant : no  
Environmentally hazardous : no

ORM-D Consumer Commodity exemption possible  
Limited Quantity exemption possible

### SECTION 15. REGULATORY INFORMATION

**WHMIS Classification** : D1B  
E

Toxic by inhalation. Corrosive to metals Corrosive

**CERCLA Reportable Quantity** : 5000 lbs

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

**SARA 302 Reportable Quantity** : 5000 lbs

500 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** On the inventory, or in compliance with the inventory

**NZIoC** On the inventory, or in compliance with the inventory

**ENCS** On the inventory, or 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

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### 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

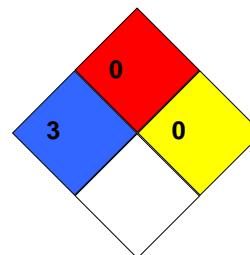
### Further information

#### HMIS Classification

: Health hazard: 3  
Flammability: 0  
Physical hazards: 0  
PPI: Ask supervisor or safety specialist for handling instructions

#### NFPA Classification

: Health hazard: 3  
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.