

# Material Safety Data Sheet

## BIOGUARD® STOWAWAY®

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/05/2014

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *BIOGUARD® STOWAWAY®*

Product Use Description: Recreational Water Product

Chemical nature: Preparation

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

#### Caution

Form: liquid      Colour: clear yellow      Odour: Lemon.

Hazard Summary :  
Irritating to eyes.  
May be harmful if swallowed.  
May cause skin irritation.  
May cause respiratory tract irritation.  
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 : Inhalation  
Eye contact

## Material Safety Data Sheet

### BIOGUARD® STOWAWAY®

Version: 1.1

Revision Date: 01/01/2014

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Skin contact  
Ingestion

Inhalation : May cause respiratory tract irritation.

Skin : May cause skin irritation.

Eyes : Causes eye irritation.

Ingestion : May be harmful if swallowed.

Chronic Exposure : None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component / CAS-No.	Weight percent
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides 68424-85-1	2 %
propan-2-ol (Manufacturing) 67-63-0	1 %
Alcohols, C12-16, ethoxylated 68551-12-2	1 %

### 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 physician if irritation develops or persists.

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.  
Rinse mouth with water.  
Have person sip a glass of water if able to swallow.  
Never give anything by mouth to an unconscious person.

### SECTION 5. FIREFIGHTING MEASURES

#### Flammable properties

## Material Safety Data Sheet

### BIOGUARD® STOWAWAY®

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/05/2014

Flash point : Remarks: not applicable

#### Fire fighting

Suitable extinguishing media : Flood with large volumes of water.  
Dry chemical

Further information : There are no unusual fire and explosion hazards known.

#### Protective equipment and precautions for firefighters

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.  
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 containers tightly closed 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
propan-2-ol (Manufacturing) 67-63-0	TWA  ACGIH  2007-01-01	200 ppm	

# Material Safety Data Sheet

## BIOGUARD® STOWAWAY®

Version: 1.1

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	STEL	400 ppm	
	ACGIH		
	2007-01-01		
	TWA	400 ppm 980 mg/m3	
	OSHA Z-1		
	1997-08-04		
	TWA	400 ppm 980 mg/m3	
	OSHA P0		
	1989-01-19		
	STEL	500 ppm 1,225 mg/m3	
	OSHA P0		
	1989-01-19		
	TWA	200 ppm	
	ACGIH		
	2007-01-01		
	STEL	400 ppm	
	ACGIH		
	2007-01-01		
	TWA	400 ppm 980 mg/m3	
	OSHA Z-1		
	1997-08-04		
	TWA	400 ppm 980 mg/m3	
	OSHA P0		
	1989-01-19		
	STEL	500 ppm 1,225 mg/m3	
	OSHA P0		
	1989-01-19		
	TWA	400 ppm 980 mg/m3	
	NIOSH REL		
	2005-09-01		
	ST	500 ppm 1,225 mg/m3	
	NIOSH REL		
	2005-09-01		

### Engineering measures

# Material Safety Data Sheet

## BIOGUARD® STOWAWAY®

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/05/2014

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

### Personal protective equipment

Eye protection : not required under normal use

Hand protection : not required under normal use

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 : Wash contaminated clothing before reuse.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form : liquid  
Colour : clear  
yellow

Odour : Lemon.

### Safety data

Flash point : Note: not applicable

pH : 7

Vapour pressure : no data available

Density : 1 g/cm<sup>3</sup>

Water solubility : Note: completely miscible

Partition coefficient: n-octanol/water : Note: no data available

Viscosity, kinematic : Note: no data available

## SECTION 10. STABILITY AND REACTIVITY

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

Materials to avoid : Remarks: Do not mix with other swimming pool/spa chemicals in their concentrated forms.  
Oxidizing agents

Hazardous decomposition : Note: Organic vapors.

## Material Safety Data Sheet

### BIOGUARD® STOWAWAY®

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products

Inorganic vapors.  
Carbon oxides

Hazardous reactions

: Hazardous polymerisation does not occur.

#### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides  
propan-2-ol (Manufacturing) : LD50: 404 mg/kg  
Species: rat  
: LD50: 5,840 mg/kg  
Species: rat

Acute inhalation toxicity

propan-2-ol (Manufacturing) : LC50: 12,000 mg/l  
Exposure time: 8 h  
Species: rat

Acute dermal toxicity

propan-2-ol (Manufacturing) : LD50: 12,000 mg/kg  
Species: rabbit

Skin irritation

: Remarks: May cause skin irritation.

Eye irritation

: Remarks: Irritating to eyes.

#### 12. ECOLOGICAL INFORMATION

Toxicity to fish

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides  
: LC50: 0.93 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)  
LC50: 0.515 mg/l  
Exposure time: 96 h  
Species: Lepomis macrochirus (Bluegill)

Toxicity to daphnia and other aquatic invertebrates

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides  
: EC50: 0.016 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)

Bioaccumulation

Quaternary ammonium compounds, benzyl-C12-16- : Bioconcentration factor (BCF): 79

## Material Safety Data Sheet

### BIOGUARD® STOWAWAY®

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alkyldimethyl, chlorides

#### Biodegradability

Quaternary ammonium : Result: Readily biodegradable.  
compounds, benzyl-C12-16- > 90 %  
alkyldimethyl, chlorides

#### Further information on ecology

Additional ecological : May be toxic to fish.  
information May be toxic to aquatic organisms.

### SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Dispose of waste product or used containers according to 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

Not dangerous goods

#### **TDG**

Not dangerous goods

#### **IATA**

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### **RID**

Not dangerous goods

### SECTION 15. REGULATORY INFORMATION

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

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

#### **TSCA**

Note: Listed

#### **US.TSCA**

Not On TSCA Inventory

## Material Safety Data Sheet

### BIOGUARD® STOWAWAY®

Version: 1.1

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<b>DSL</b>	This product contains one or several components that are not on the Canadian DSL nor NDSL lists.
<b>AICS</b>	Not in compliance with the inventory
<b>NZIoC</b>	Not in compliance with the inventory
<b>ENCS</b>	Not in compliance with the inventory
<b>KECI</b>	Not in compliance with the inventory
<b>PICCS</b>	Not in compliance with the inventory
<b>IECSC</b>	Not in compliance with the inventory
<b>TSCA list Information</b>	<u>US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)</u> <u>ZUS T12B</u>  <u>Listed</u> <u>US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)</u> <u>ZUS T12B</u>  <u>Not relevant</u>

#### SECTION 16. OTHER INFORMATION

##### Further information

**HMIS Classification** : Health hazard: 1  
Flammability: 1  
Physical hazards: 0  
PPI: Ask supervisor or safety specialist for handling instructions



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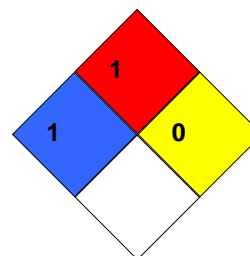
Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/05/2014

### NFPA Classification

: Health hazard: 1  
Fire Hazard: 1 Class IIIB  
Combustible Liquid  
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.