

Material Safety Data Sheet

BIOGUARD® SOFTSWIM® FILTER AID

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/05/2014

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *BIOGUARD® SOFTSWIM® FILTER AID*

Product Use Description: Recreational Water Product

Chemical nature: Inorganic salt

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: granules Colour: white Odour: odourless

Hazard Summary : Causes eye irritation.
Causes skin irritation.
Causes respiratory tract irritation.
Harmful if swallowed.
Avoid breathing dust.
Do not ingest.
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

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Eye contact
Skin contact
Ingestion

Inhalation : Causes respiratory tract irritation.

Skin : Causes skin irritation.

Eyes : Causes eye irritation.

Ingestion : Harmful if swallowed.

Chronic Exposure : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component / CAS-No.	Weight percent
aluminium sulfate 10043-01-3	100 %

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 if irritation develops or persists.

Skin contact : 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 : If swallowed, DO NOT induce vomiting.
Drink 1 or 2 glasses of water.
Never give anything by mouth to an unconscious person.
Call a physician or poison control centre immediately.

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

Flash point : Remarks: not applicable

Fire fighting

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

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

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

SECTION 7. HANDLING AND STORAGE

Handling

Handling procedures : Avoid contact with skin, eyes and clothing.
Avoid breathing dust.
Mix only with water.
Never add water to this product.
Always add product to large quantities of water.
Do not mix with other chemicals.
Use only clean and dry utensils.
Do not add this product to any dispensing devices containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion.
Do not add to skimmer if remnants of any other products are present or an explosion may occur.
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 : Keep this product dry in its 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
aluminium sulfate 10043-01-3	TWA NIOSH REL 2005-09-01	2 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

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 : Wash contaminated clothing before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : granules

Colour : white

Odour : odourless

Safety data

Flash point : Note: not applicable

pH : ca. 3.5
Note: 1% Solution

Melting point/range : 221 °F (105 °C)

Vapour pressure : Negligible

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Specific Gravity : 1.61 at
Water solubility : 500 g/l
Note: no data available
Partition coefficient: n-
octanol/water : Note: no data available
Viscosity, kinematic : Note: not applicable

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Moisture/high humidity.
Poor ventilation.
High temperatures.
Contamination
Materials to avoid : Remarks: Do not mix with other swimming pool/spa chemicals in their
concentrated forms.
Hazardous decomposition products : Note: Sulphur oxides
Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50: 6,207 mg/kg
Species: mouse
Skin irritation : Remarks: Causes skin irritation.
Eye irritation : Remarks: Causes eye irritation.

12. ECOLOGICAL INFORMATION

Toxicity to fish
aluminium sulfate : LC50: 37 mg/l
Exposure time: 96 h
Species: Gambusia affinis (Mosquito fish)
static test
LC50: 33.9 mg/l
Exposure time: 96 h
Species: Pimephales promelas (fathead minnow)
flow-through test
Toxicity to daphnia and other aquatic invertebrates
aluminium sulfate : LC50: ca. 6.57 mg/l
Exposure time: 48 h

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Bioaccumulation
aluminium sulfate : Remarks:
Bioaccumulation is unlikely.

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

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.

**CERCLA Reportable
Quantity** : 5000 lbs

SARA 311/312 Hazards : Acute Health Hazard

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

US.TSCA On TSCA Inventory

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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

TSCA list Information US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)
ZUS T12B

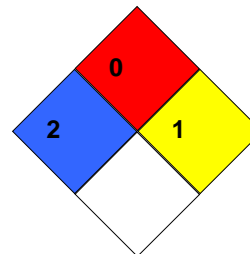
Not relevant

SECTION 16. OTHER INFORMATION

Further information

HMIS Classification : Health hazard: 2
Flammability: 0
Physical hazards: 1
PPI:Ask supervisor or safety specialist for handling instructions

NFPA Classification : Health hazard: 2
Fire Hazard: 0
Reactivity Hazard: 1



Other Emergency Phone Number

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<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+52 555 004 8763

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