

Material Safety Data Sheet

SPAGUARD® PH DECREASER

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/10/2014

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: SPAGUARD® PH DECREASER

Chemical nature: Preparation

Registration number: 5185-50018

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

Danger

Form: granules Colour: off-white Odour: Sulfate

Hazard Summary : Causes eye burns.
Causes skin burns.
May cause respiratory tract irritation.
Do not get in eyes, on skin, or on clothing.
Do not ingest.
Avoid breathing dust or vapor.

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 : Eye contact
Skin contact
Inhalation

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Ingestion

Inhalation : May cause respiratory tract irritation.

Skin : Causes skin burns.

Eyes : Causes eye burns.

Ingestion : Harmful if swallowed.

Chronic Exposure : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component / CAS-No.	Weight percent
sodium hydrogensulphate 7681-38-1	90 - 95 %
sodium sulphate 7757-82-6	4 - 10 %

SECTION 4. FIRST AID MEASURES

First aid procedures

Inhalation : Remove to fresh air.

If not breathing, give artificial respiration.

If breathing is difficult, give oxygen.

Skin contact : Wash off immediately with plenty of water for at least 15 minutes.

Get medical attention if irritation develops and 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.

Get medical attention.

Ingestion : If swallowed, DO NOT induce vomiting.

Drink 1 or 2 glasses of water.

Get medical attention immediately.

Notes to physician

Treatment : Eyes: Natural watering of eyes will dissolve sodium bisulfate, forming a weak sulfuric acid solution which may cause burns.

Skin: Mild burns may occur if not thoroughly flushed previously.

Inhalation: Mild burning sensations may occur to mucous membranes and upper respiratory tract.

Ingestion: Body water content will react with sodium bisulfate to form a weak sulfuric acid solution, which may burn tissues in mouth, esophagus or stomach. Solution should be diluted to reduce burning effect.

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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.

Water
Dry chemical

Unsuitable extinguishing media : Avoid water contact to material if possible as contact with water forms sulfuric acid solution. Precautions for exposure to sulfuric acid should be followed.

Protective equipment and precautions for firefighters

Specific hazards during firefighting : Burning produces noxious and toxic fumes.

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

Personal precautions : Ensure adequate ventilation.
Use personal protective equipment.

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".

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.
Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco.

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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.

Other data : Stable under normal conditions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Engineering measures

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

Personal protective equipment

Eye protection : 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

Form : granules

Colour : off-white

Odour : Sulfate

Safety data

Flash point : Note: not applicable

pH : < 1
Note: 5% Solution

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Freezing point	: Note: no data available
Melting point/range	350.01 °F (176.67 °C)
Boiling point/boiling range	: Note: not applicable
Vapour pressure	: no data available
Density	: 1.3 g/cm ³
Water solubility	: 1,080 g/l at 68 °F (20 °C) Note: completely soluble
Partition coefficient: n-octanol/water	: Note: no data available
Viscosity, kinematic	: Note: not applicable
Relative vapour density	: Note: no data available
Evaporation rate	: Note: not applicable

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Remarks: High temperatures. Poor ventilation. Contamination Moisture/high humidity.
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.
Hazardous decomposition products	: Note: Heating or fire can release toxic gas. Sulphur oxides
Hazardous reactions	: Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50: 2,800 mg/kg Species: rat
Acute inhalation toxicity sodium sulphate	: LC50: > 5.5 mg/l Species: rat
Skin irritation	: Remarks: Moderate irritant. May cause burns or external ulcers.

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Eye irritation : Remarks: Mild to severe irritant.
May cause burns or external ulcers.
: Classification: Risk of serious damage to eyes.

Sensitisation : Remarks: This product is not expected to be a skin sensitizer.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish :
Remarks:
no data available

Toxicity to bacteria
sodium sulphate : 770 mg/l
Exposure time: 17 h
Species: Bacteria

Elimination information (persistence and degradability)

Bioaccumulation : Remarks:
no data available

Mobility : Remarks:
no data available

Biodegradability : Result: no data available

Further information on ecology

Ecotoxicology Assessment

Results of PBT assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

Additional ecological information : May be toxic to fish.
May be toxic to aquatic organisms.
Do not allow material to contaminate ground water system.
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.

SECTION 14. TRANSPORT INFORMATION

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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.

SARA 311/312 Hazards : Acute Health Hazard

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

EINECS : On the inventory, or in compliance with the inventory

TSCA : On TSCA Inventory

AICS : On the inventory, or in compliance with the inventory

DSL : All components of this product are on the Canadian DSL list.

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

SECTION 16. OTHER INFORMATION

Further information

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

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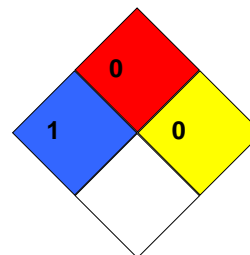
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NFPA Classification

: Health hazard: 1
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.