

SpaGuard® pH Decreaser

Version:	1.2
Revision Date:	07/24/2009
Print Date:	09/18/2009

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: SpaGuard® pH Decreaser

Product Use Description: Recreational Water Product

Registration number: CALIFORNIA 5185-50018

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 Care: (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

DANGER!

Form: granules
Colour: off-white
Odour: Sulfate

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.

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

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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.
- Chronic Exposure : None known.

SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Concentration
Sodium bisulfate	7681-38-1	90 - 95 %
Sodium sulfate	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 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.

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Notes to physician

Treatment : Eyes: Natural watering of eyes will dissolve sodium bisulfate, forming a weak sulfuric acid solution which may cause burns.
Flush with plenty of water.
Do not use chemical antidotes or neutralizing solutions.
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.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point : not applicable

Protective equipment and precautions for firefighters

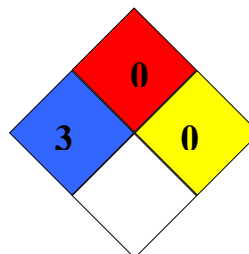
Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water
Dry chemical

Hazardous decomposition products : Heating or fire can release toxic gas.
Sulphur oxides

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: 3
Fire Hazard: 0
Reactivity Hazard: 0



SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : Do not flush into surface water or sanitary sewer system.

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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

Advice on safe handling : 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.
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

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.

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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 : not applicable

pH : < 1
5% Solution

Freezing point : Not Available

Melting point/range : 350.01 °F (176.67 °C)

Boiling point/boiling range : not applicable

Vapour pressure : Not Available

Density : 1.3 g/cm³

Water solubility : 1,080 g/l
at 68 °F (20 °C)
completely soluble

Relative vapour density : Not Available

Evaporation rate : not applicable

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : High temperatures.
Poor ventilation.
Contamination
Moisture/high humidity.

Materials to avoid : Do not mix with other chemicals.

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Chlorine bleach
Ammonia
alkalines
Do not mix with other swimming pool/spa chemicals in their concentrated forms.

Hazardous decomposition products : Type: Hazardous decomposition products

Heating or fire can release toxic gas.
Sulphur oxides

Hazardous reactions : Hazardous polymerisation does not occur.

Note : Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat
Dose: 2,800 mg/kg

Skin irritation : Moderate irritant.
May cause burns or external ulcers.

Eye irritation : Mild to severe irritant.
May cause burns or external ulcers.

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

SECTION 12. ECOLOGICAL INFORMATION

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.

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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

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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

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

EINECS	y (positive listing)	On or in compliance with the inventory
TSCA	y (positive listing)	On TSCA Inventory
AICS	y (positive listing)	On or in compliance with the inventory
DSL	y (positive listing)	All components of this product are on the Canadian DSL list.
ENCS	y (positive listing)	On or in compliance with the inventory
KECI	y (positive listing)	On or in compliance with the inventory
PICCS	y (positive listing)	On or in compliance with the inventory
IECSC	y (positive listing)	On or in compliance with the inventory

Additional advice :

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

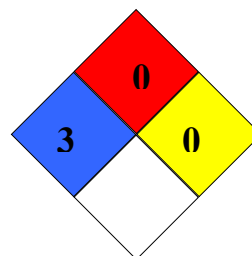
SECTION 16. OTHER INFORMATION

Further information

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NFPA Classification : Health Hazard: 3
Fire Hazard: 0
Reactivity Hazard: 0



HMS Classification : Health Hazard: 3
Flammability: 0
Physical and chemical hazards: 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.