

**SpaGuard® Total Alkalinity**

Version:	1.2
Revision Date:	03/30/2009
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® Total Alkalinity

Product Use Description: Alkalinity Increaser

Chemical nature: Carbonates

Registration number: CALIFORNIA 5185-50017

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 Service: (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**

**CAUTION!**

Form: powder  
Colour: white  
Odour: odourless

May cause eye irritation.

OSHA Hazards:  
THIS MATERIAL IS NOT 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 : Inhalation  
Eye contact  
Ingestion
- Inhalation : Dust may cause irritation of the respiratory tract.
- Skin : This product is not expected to cause skin irritation.
- Eyes : May cause eye irritation.
- Ingestion : No adverse health effects anticipated from ingestion of incidental amounts of product.  
Swallowing larger amounts may cause injury, including systemic alkalosis.
- Chronic Exposure : None known.

**SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS**

**Hazardous components**

Component	CAS-No.	Concentration
sodium hydrogencarbonate	144-55-8	100 %

**Non-Hazardous components**

Component	CAS-No.	Concentration
sodium hydrogencarbonate	144-55-8	100 %

**SECTION 4. FIRST AID MEASURES**

**First aid procedures**

- Inhalation : Remove to fresh air.  
If breathing is difficult, give oxygen.  
If not breathing, give artificial respiration.  
Call a physician immediately.
- Skin contact : Wash off with warm water.
- 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.  
Call a POISON CENTRE or doctor/physician.

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Ingestion : Do NOT induce vomiting.  
If conscious, drink plenty of water.  
Use of alcoholic beverages may enhance toxic effects.  
Never give anything by mouth to an unconscious person.  
Call a POISON CENTRE or doctor/physician.

**Notes to physician**

Treatment : Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.

**SECTION 5. FIRE-FIGHTING MEASURES**

**Flammable properties**

Flash point : Non-Flammable

**Protective equipment and precautions for firefighters**

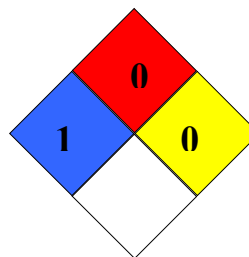
Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Hazardous decomposition products : Carbon 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: 1  
Fire Hazard: 0  
Reactivity Hazard: 0



**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Methods for containment / Methods for cleaning up : Using appropriate protective clothing and safety equipment, contain spilled material.  
Sweep up and shovel into suitable containers for disposal.

Additional advice : Treat recovered material as described in the section "Disposal considerations".

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**SECTION 7. HANDLING AND STORAGE**

**Handling**

Advice on safe handling : Avoid breathing dust.  
Avoid contact with skin, eyes and clothing.  
Mix only with water.  
Do not mix with other chemicals.  
Do not handle until all safety precautions have been read and understood.  
Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco.

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

**Personal protective equipment**

Eye protection : Safety glasses with side-shields

Hand protection : Not required under normal use.

Respiratory protection : Not required under normal use.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Wash thoroughly after handling.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Form : powder

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Colour : white  
Odour : odourless

**Safety data**

Flash point : Non-Flammable  
Ignition temperature : Remarks: Not Available  
pH : 8.2  
1% Solution  
Freezing point : not applicable  
Melting point/range : not applicable  
Vapour pressure : not applicable  
Density : 0.99 g/cm<sup>3</sup>  
Water solubility : 86 g/l  
Relative vapour density : not applicable

**SECTION 10. STABILITY AND REACTIVITY**

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

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

Hazardous decomposition products : Type: Hazardous decomposition products  
Carbon oxides

Thermal decomposition : 270 °C (518 °F)

Hazardous reactions : Hazardous polymerisation does not occur.

Note : Stable under normal conditions.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity : LD50 rat  
Dose: 7,300 mg/kg

Acute inhalation toxicity : LC50 rat  
Dose: > 4.74 mg/l

Eye irritation : Mildly irritating to eyes (rabbit).

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

**SECTION 12. ECOLOGICAL INFORMATION**

Acute Fish toxicity : LC50  
Species: Bluegill sunfish  
Concentration: 7,100.00 mg/l

Species: Oncorhynchus mykiss (rainbow trout)  
Concentration: 7,700.00 mg/l

Toxicity to daphnia and other aquatic invertebrates. : EC50  
Species: Daphnia  
Concentration: 4,100.00 mg/l

**SECTION 13. DISPOSAL CONSIDERATIONS**

Further information : Dispose of waste material in compliance with all federal, state, and local regulations.  
Recycle or dispose of container in trash.

Contaminated packaging : Do not re-use empty containers.

**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 not 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:**

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

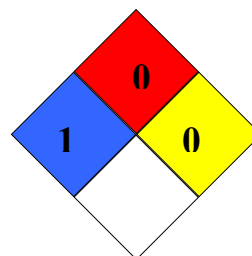
**SECTION 16. OTHER INFORMATION**

**Further information**

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**NFPA Classification** : Health Hazard: 1  
Fire Hazard: 0  
Reactivity Hazard: 0



**HMS Classification** : Health Hazard: 1  
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.