SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: SPAGUARD® PH INCREASER
Product Use Description: Recreational Water Product
Chemical nature: Alkaline Salts
Registration number: 5185-50007
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: granules Colour: white Odour: odourless

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


Potential Health Effects

Primary Routes of Entry: Skin contact
Inhalation
   May cause 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

<table>
<thead>
<tr>
<th>Component / CAS-No.</th>
<th>Weight percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium carbonate</td>
<td>100 %</td>
</tr>
</tbody>
</table>

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 POISON CENTER or doctor/physician.

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
   Call a physician or poison control centre immediately.
   Have person sip a glass of water if able to swallow.
   Do not induce vomiting unless told to do so by the poison control center or doctor.
   Never give anything by mouth to an unconscious person.

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.

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. Use only clean and dry utensils. 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.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

**Engineering measures**

Engineering measures: Ensure that eyewash stations and safety showers are close to the workstation.
Personal protective equipment

- **Eye protection**: Goggles, 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**: 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**: 11.6
  - Note: 1% Solution
- **Melting point/range**: 1,564 °F (851 °C)
- **Boiling point/boiling range**: Note: not applicable
- **Vapour pressure**: no data available
- **Density**: 0.99 g/cm³
- **Water solubility**: 330 g/l
  - Note: no data available
- **Partition coefficient: n-octanol/water**: Note: no data available
- **Viscosity, kinematic**: Note: not applicable
- **Relative vapour density**: Note: no data available

SECTION 10. STABILITY AND REACTIVITY

**Conditions to avoid**: Remarks: High temperatures.
Material Safety Data Sheet

SPAGUARD® PH INCREASER

Edition: 1.1 Revision Date: 01/01/2014 Print Date: 03/10/2014

- Poor ventilation.
- Contamination
- Moisture/high humidity.

**Materials to avoid**
- Remarks: Avoid contact with water on concentrated material in the container.
- Do not mix with other swimming pool/spa chemicals in their concentrated forms.
- Strong acids

**Hazardous decomposition products**
- Note: Carbon dioxide is evolved at very high temperatures (1000C, 1832F) or when mixed with acids.

**Hazardous reactions**
- Hazardous polymerisation does not occur.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**Acute oral toxicity**
- LD50: 4,090 mg/kg
- Species: rat

**Acute inhalation toxicity**
- LC50: 2.3 mg/l
- Exposure time: 2 h
- Species: rat

**Skin irritation**
- Remarks: Causes skin irritation.

**Eye irritation**
- Remarks: Causes eye irritation.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Further information on ecology**

- May be toxic to fish.
- May be toxic to aquatic organisms.
- Do not flush into surface water or sanitary sewer system.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

**Further information**
- Dispose of waste material in compliance with all federal, state, and local regulations.
- Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor.
- Contact with incompatible materials could cause a reaction or fire.

**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.

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: 2
Flammability: 0
Physical hazards: 0
PPI: Ask supervisor or safety specialist for handling instructions

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

Other Emergency Phone Number

<table>
<thead>
<tr>
<th>Latin America:</th>
<th>Brazil</th>
<th>+55 113 711 9144</th>
</tr>
</thead>
<tbody>
<tr>
<td>All other countries</td>
<td>+44 (0) 1235 239 670</td>
<td></td>
</tr>
<tr>
<td>Mexico:</td>
<td>+52 555 004 8763</td>
<td></td>
</tr>
</tbody>
</table>

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