

Material Safety Data Sheet

SPAGUARD® TOTAL ALKALINITY

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/10/2014

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *SPAGUARD® TOTAL ALKALINITY*

Product Use Description: Alkalinity Increaser

Chemical nature: Carbonates

Registration number: 5185-50017

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

Form: powder Colour: white Odour: odourless

Hazard Summary : May cause eye irritation.

OSHA Hazards : THIS MATERIAL IS NOT HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.

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.

Material Safety Data Sheet

SPAGUARD® TOTAL ALKALINITY

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/10/2014

- 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

This material is non-hazardous as defined by the American OSHA Hazard Communication Standard.

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 the first 5 minutes, then continue rinsing eye.
Call a POISON CENTER or doctor/ physician.
- 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 CENTER or doctor/ physician.

Notes to physician

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

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

- Flash point : Remarks: Non-Flammable
- Ignition temperature : Remarks: no data available

Fire fighting

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the

Material Safety Data Sheet

SPAGUARD® TOTAL ALKALINITY

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/10/2014

surrounding environment.

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

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".

SECTION 7. HANDLING AND STORAGE

Handling

Handling procedures : 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

Exposure Guidelines

This material is non-hazardous as defined by the American OSHA Hazard Communication Standard.

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
not required under normal use

Material Safety Data Sheet

SPAGUARD® TOTAL ALKALINITY

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/10/2014

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

Colour : white

Odour : odourless

Safety data

Flash point : Note: Non-Flammable

Ignition temperature : Remarks: no data available

Molecular weight : 84.02 g/mol

pH : 8.2
Note: 1% Solution

Freezing point : Note: not applicable

Melting point/range : Note: not applicable

Vapour pressure : not applicable

Density : 0.99 g/cm³

Water solubility : 86 g/l
Note: no data available

Partition coefficient: n-octanol/water : Note: no data available

Viscosity, kinematic : Note: not applicable

Relative vapour density : Note: not applicable

SECTION 10. STABILITY AND REACTIVITY

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

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

Material Safety Data Sheet

SPAGUARD® TOTAL ALKALINITY

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/10/2014

Hazardous decomposition products : Note: Carbon oxides
Thermal decomposition : 270 °C
Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50: 7,300 mg/kg
Species: rat
Acute inhalation toxicity : LC50: > 4.74 mg/l
Species: rat
Eye irritation : Remarks: Mildly irritating to eyes (rabbit).
Sensitisation : Remarks: This product is not expected to be a skin sensitizer.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC50: 7,100 mg/l
Species: Lepomis macrochirus (Bluegill sunfish)
: 7,700 mg/l
Species: Oncorhynchus mykiss (rainbow trout)
Toxicity to daphnia and other aquatic invertebrates : EC50: 4,100 mg/l
Species: Daphnia

Further information on ecology

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

Material Safety Data Sheet

SPAGUARD® TOTAL ALKALINITY

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/10/2014

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 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:

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

Material Safety Data Sheet

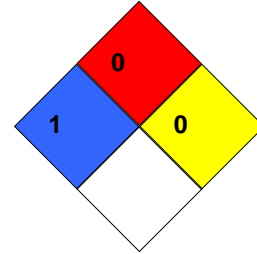
SPAGUARD® TOTAL ALKALINITY

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/10/2014

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.