**Chemtura Corporation urges the recipient of this Safety Data Sheet 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: BioGuard® Maintain Balance Pak® 100

Product Use Description: Alkalinity Increaser

Chemical nature: Carbonates

EPA Registration Number: 5185-50004

Company:

Bio-Lab, Inc., A Chemtura Company
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

Customer Service: 1-800-859-7946

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: Odorless

May cause eye irritation.

OSHA Hazards:

Do not get in eyes, on skin, or on clothing.
Avoid breathing dust.
Do not mix with other chemicals.
Do not handle until all safety precautions have been read and understood.

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.

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 : There are no known chronic hazards.

## SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous components**

| Component | CAS-No. | Weight % |
|---|---|---|
| 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.

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**

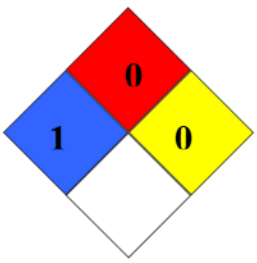
Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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.
Flush into sewer with plenty of water.

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.
Do not mix with other chemicals.
Keep out of the reach of children.

**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.

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

Colour : white

| | | |
|---|---|---|
| Odour | : | Odorless |

**Safety data**

| | | |
|---|---|---|
| Flash point | : | Non-Flammable |
| Ignition temperature | : | Remarks: Not Available |
| pH | : | 8.2<br>1% Solution |
| Freezing point | : | not applicable |
| Melting point/range | | not applicable |
| Vapour pressure | : | not applicable |
| Density | : | 0.99 g/cm3 |
| Water solubility | : | 86 g/l |
| Relative vapour density | : | not applicable |

## SECTION 10. STABILITY AND REACTIVITY

| | | |
|---|---|---|
| Conditions to avoid | : | High temperatures.<br>Poor ventilation.<br>Moisture/high humidity.<br>Contamination |
| Materials to avoid | : | Do not mix with other swimming pool/spa chemicals in their concentrated forms.<br>Acids |
| Hazardous decomposition products | : | Type: Hazardous decomposition products Carbon oxides |
| Thermal decomposition | : | 270 °C |
| Hazardous reactions | : | Hazardous polymerisation does not occur. |
| Note | : | Stable under normal conditions. |

## SECTION 11. TOXICOLOGICAL INFORMATION

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 rat<br>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.

**IARC** : US. IARC Monographs on Occupational Exposures to Chemical Agents
(Product) No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**NTP**
(Product) US. National Toxicology Program (NTP) Report on Carcinogens
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHASP**
(Product) US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## 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

Not regulated for transport

## 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.

**US. EPA CERCLA** (Product) : US. EPA CERCLA Hazardous Substances (40 CFR 302)**Remarks:** Not listed

**US SARA 313** (Product) : US. Environmental Protection Agency (EPA); Title III of Superfund Amendments and Reauthorization Act (SARA)of 1986 Section 313 Reportable Chemicals List, Toxic chemical listings and de minimis concentrations as amended by US Federal Register Final rules.**Remarks:** Not listed

**TSCA_12b** (Product) : US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)
Remarks: Not listed

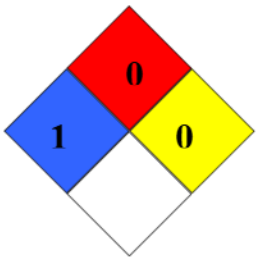
**The components of this product are reported in the following inventories:**
**TSCA**

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

## SECTION 16. OTHER INFORMATION

**Further information**

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



**HMIS Classification** : Health Hazard: 1
Flammability: 0
Physical and chemical hazards: 0
PPI:Ask supervisor or safety specialist for handling instructions

**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 Chemtura Corporation, it is the user's obligation to determine the conditions of safe use of the products.**