

# Material Safety Data Sheet

## PROGUARD® STABILIZER

Version: 1.0

Revision Date: 08/05/2010

Print Date: 03/03/2012

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *PROGUARD® STABILIZER*

Product Use Description: Recreational Water Product

Chemical nature: Isocyanurate

Company: Bio-Lab, Inc.  
P.O. Box 300002  
Lawrenceville, GA  
30049-1002

Telephone: (800) 859-7946

Emergency telephone: CHEMTREC: (24 hours) 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.

Prepared by: Product Safety Department  
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### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### Caution

Form: granules      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

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- Primary Routes of Entry : Eye contact  
Ingestion
- Inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- Skin : Not expected to cause skin irritation under normal use conditions.
- Eyes : May cause eye irritation.
- Ingestion : No adverse health effects anticipated from ingestion of incidental amounts of product.
- Chronic Exposure : None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Component	CAS-No.	Weight percent
cyanuric acid	108-80-5	100 %

### SECTION 4. FIRST AID MEASURES

#### First aid procedures

- Inhalation : Remove to fresh air.  
If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.  
Call a POISON CENTER or doctor/physician.
- Skin contact : Remove contaminated clothing and shoes.  
If on skin, rinse well with water.  
If skin irritation occurs: Get medical advice/attention.
- 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 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.  
Do not give anything by mouth to an unconscious person.

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### SECTION 5. FIRE-FIGHTING 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 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.

### 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".

### SECTION 7. HANDLING AND STORAGE

#### Handling

Handling procedures : Avoid contact with skin, eyes and clothing.  
Avoid breathing dust.  
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 : Keep only in the original container.  
Keep containers tightly closed in a dry, cool and well-ventilated place.  
Keep out of reach of children.  
Keep away from animals.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Guidelines

#### Components with workplace control parameters

Components / CAS-No.	Value / Basis / Update	Control parameters	Further information
cyanuric acid 108-80-5	TWA	10 mg/m <sup>3</sup>	
	US WEEL 2008-01-01		
	TWA	5 mg/m <sup>3</sup>	
	US WEEL 2008-01-01		

#### 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 : Remove and wash contaminated clothing before re-use.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Form : granules  
Colour : white  
Odour : odourless

#### Safety data

Flash point : Note: not applicable

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pH : 4.8 - 5.2  
Note: 10% Slurry

Melting point/range : > 626 °F (330 °C)

Density : 0.897 g/cm<sup>3</sup>

Water solubility : Note: slightly soluble

### SECTION 10. STABILITY AND REACTIVITY

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

Materials to avoid : Remarks: Do not mix with other swimming pool/spa chemicals in their concentrated forms.  
Strong acids  
Strong bases  
Strong oxidizing agents

Hazardous decomposition products : Note: no data available

Hazardous reactions : Hazardous polymerisation does not occur.

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50: > 10,000 mg/kg  
Species: rat

Acute dermal toxicity : LD50: > 7,940 mg/kg  
Species: rabbit

Skin irritation cyanuric acid : Species: rabbit  
Result: No skin irritation

Eye irritation : Remarks: May cause eye irritation.

### 12. ECOLOGICAL INFORMATION

Toxicity to fish cyanuric acid : LC50: > 1,000 mg/l

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Exposure time: 96 h

Species: Lepomis macrochirus (Bluegill sunfish)  
static test

Toxicity to daphnia and other aquatic invertebrates.

cyanuric acid : EC50: > 1,000 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)

### Further information on ecology

Additional ecological information : Not expected to be toxic to aquatic organisms.  
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.  
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 not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

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

TSCA

Note: Listed

DSL

Note: Listed

### SECTION 16. OTHER INFORMATION

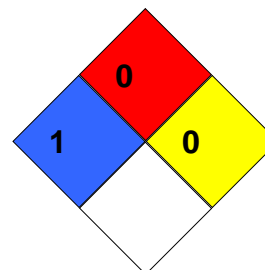
#### Further information

#### HMIS Classification

: Health hazard: 1  
Flammability: 0  
Physical hazards: 0  
PPI: Ask supervisor or safety specialist for handling instructions

#### NFPA Classification

: Health hazard: 1  
Fire Hazard: 0  
Reactivity Hazard: 0



#### 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

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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.