

Material Safety Data Sheet

BIOGUARD® SALTSCAPES™ SALTWATER POOL CARE SUNSHIELD® STABILIZER

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/28/2014

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *BIOGUARD® SALTSCAPES™ SALTWATER POOL CARE SUNSHIELD®
STABILIZER*

Product Use Description: Recreational Water Product

Chemical nature: Isocyanurate

Company: Manufacturer
BioLab, Inc. a Chemtura Company
1725 North Brown Road
Lawrenceville, GA
30043

Supplier
Bio-Lab Canada, Inc.
P.O. Box 245
West Hill, ON
M1E 4Y9

Telephone: 888-645-7946

Emergency telephone number: Poison Control Center (Medical) :: (877) 800-5553
CANUTEC: (24 hours) 613-996-6666 (call collect)
: 1-888-640-7946
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 : May cause eye irritation.

WHMIS Classification : : Not Rated

Potential Health Effects

Primary Routes of Entry : Eye contact
Ingestion

Inhalation : Not expected to present a significant inhalation hazard under

Material Safety Data Sheet

BIOGUARD® SALTSCAPES™ SALTWATER POOL CARE SUNSHIELD® STABILIZER

Version: 1.1

Revision Date: 01/01/2014

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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 (Dust) 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 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

Material Safety Data Sheet

BIOGUARD® SALTSCAPES™ SALTWATER POOL CARE SUNSHIELD® STABILIZER

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/28/2014

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

Personal precautions : Ensure adequate ventilation.

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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Engineering measures

Engineering measures : Ensure that eyewash stations and safety showers are close to the workstation

Material Safety Data Sheet

BIOGUARD® SALTSCAPES™ SALTWATER POOL CARE SUNSHIELD® STABILIZER

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/28/2014

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
pH : 4.8 - 5.2
Note: 10% Slurry
Melting point/range : > 626 °F (330 °C)
Vapour pressure : no data available
Density : 0.897 g/cm³
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 : Note: no data available

Material Safety Data Sheet

BIOGUARD® SALTSCAPES™ SALTWATER POOL CARE SUNSHIELD® STABILIZER

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/28/2014

products

Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

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

Acute inhalation toxicity
cyanuric acid (Dust) : > 612 mg/m³
Species: rat

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

Skin irritation
cyanuric acid (Dust) : Species: rabbit
Result: No skin irritation

Eye irritation : Remarks: May cause eye irritation.

Reproductive toxicity
cyanuric acid (Dust) : Species: rat
Application Route: Oral

12. ECOLOGICAL INFORMATION

Toxicity to fish
cyanuric acid (Dust) : LC50: > 100 mg/l
Exposure time: 96 h

Species: *Oryzias latipes* (Orange-red killifish)
static test Analytical monitoring: yes
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates
cyanuric acid (Dust) : EC50: 1,000 mg/l
Exposure time: 48 h
Species: *Daphnia magna* (Water flea)
Immobilization Analytical monitoring: yes
Method: OECD Test Guideline 202

Toxicity to algae
cyanuric acid (Dust) : EC50: 620 mg/l
Exposure time: 72 h

Material Safety Data Sheet

BIOGUARD® SALTSCAPES™ SALTWATER POOL CARE SUNSHIELD® STABILIZER

Version: 1.1

Revision Date: 01/01/2014

Print Date: 03/28/2014

Species: Algae
Analytical monitoring: yes
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
cyanuric acid (Dust) : NOEC: 32 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

Bioaccumulation
cyanuric acid (Dust) : Species: Cyprinus carpio (Carp)
Exposure time: 42 d
Temperature: 25 °C
Bioconcentration factor (BCF): < 0.5

Biodegradability
cyanuric acid (Dust) : aerobic
Result: According to the results of tests of biodegradability this
product is not readily biodegradable.
0 %

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

Material Safety Data Sheet

BIOGUARD® SALTSCAPES™ SALTWATER POOL CARE SUNSHIELD® STABILIZER

Version: 1.1

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SECTION 15. REGULATORY INFORMATION

WHMIS Classification :

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

AICS On the inventory, or in compliance with the inventory

NZIoC On the inventory, or in compliance with the inventory

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

TSCA list Information US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)
ZUS T12B

Not relevant

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

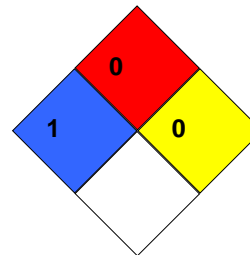
BIOGUARD® SALTSCAPES™ SALTWATER POOL CARE SUNSHIELD® STABILIZER

Version: 1.1

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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.