

BioGuard® Softswim Clarifier

Version:	1.0
Revision Date:	08/06/2008
Print Date:	09/09/2009

The recipient of this Safety Data Sheet is urged 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® Softswim Clarifier

Product Use Description: Recreational Water Product

Chemical nature: Inorganic peroxide

Company: Bio-Lab, Inc.
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

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Customer Service: (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

DANGER!

Form: liquid
Colour: colourless
Odour: slight Pungent

Corrosive
Strong oxidizing agent.
Harmful or fatal if swallowed.
Causes severe eye damage.
Causes skin burns.
Do not breathe vapour.

OSHA Hazards:
THIS MATERIAL IS HAZARDOUS UNDER THE
CRITERIA OF THE FEDERAL OSHA HAZARD
COMMUNICATION STANDARD 29CFR 1910.1200.

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Causes respiratory tract irritation.
Do not get in eyes, on skin, or on clothing.

Potential Health Effects

- Primary Routes of Entry : Skin contact
Eye contact
Ingestion
Inhalation
- Aggravated Medical Condition : Respiratory disorders
Skin disorders
- Inhalation : Causes respiratory tract irritation.
- Skin : Causes skin burns.
- Eyes : Causes severe eye damage.
May cause blindness.
- Ingestion : Harmful or fatal if swallowed.
- Chronic Exposure : None known.

SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Concentration
hydrogen peroxide	7722-84-1	27.5 %

SECTION 4. FIRST AID MEASURES

First aid procedures

- Inhalation : Remove to fresh air.
Give oxygen or artificial respiration if needed.
Call a physician if irritation develops or persists.
- Skin contact : Remove contaminated clothing and shoes.
Rinse immediately with plenty of water for at least 15 minutes.
Call a POISON CENTRE or doctor/physician.
- 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.

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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 directed to do so by a physician or poison control center.
Do not give anything by mouth to a convulsing or unconscious person.

Notes to physician

Treatment : Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point : Non-Flammable

Protective equipment and precautions for firefighters

Suitable extinguishing media : Flood with large volumes of water.

Unsuitable extinguishing media : ABC powder
Dry chemical
Carbon dioxide (CO2)

Hazardous decomposition products : Oxygen

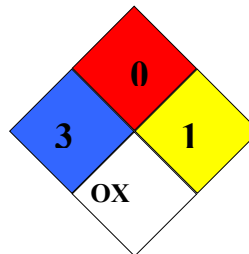
Further information : Contact with combustible material may cause fire.
When in contact with other combustible materials, this product may increase the burning rate of the combustible material.

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.

Advice on protection against fire and explosion : Keep away from combustible material.
Avoid letting the product become dry.

Further information

NFPA Classification : Health Hazard: 3
Fire Hazard: 0
Reactivity Hazard: 1
Specific hazards: OX Class 1 Oxidizer.



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.
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal.
After cleaning, flush away traces with water.
- Additional advice : Do not use floor sweeping compounds to clean up spills.
Treat recovered material as described in the section "Disposal considerations".

SECTION 7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Strong oxidizing agent.
Avoid contact with skin, eyes and clothing.
Do not breathe vapours/dust.
Drying of this product on clothing or combustible materials may cause fire.
Do not mix with other chemicals.
Mix only with water.
Always add product to large quantities of water.
Use only clean and dry utensils.
In case of contamination or decomposition, do not reseal container.
If possible, isolate container in open air or well ventilated area.
Flood with large volumes of water.
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.
Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.
- Advice on protection against fire and explosion : Keep away from combustible material.
Avoid letting the product become dry.

Storage

- Requirements for storage areas and containers : Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.
In case of decomposition, isolate container if possible and flood area with large amounts of water to dissolve all materials before discarding this container.
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
hydrogen peroxide 7722-84-1	TWA ; ACGIH 1996-05-18	1 ppm 1.4 mg/m3	A3: Confirmed animal carcinogen with unknown relevance to humans. 1996 Adoption
hydrogen peroxide 7722-84-1	TWA ; OSHA PO 1989-03-01	1 ppm 1.4 mg/m3	
hydrogen peroxide 7722-84-1	TWA ; OSHA P1 1993-06-30	1 ppm 1.4 mg/m3	

Engineering measures

Engineering measures : Use only with adequate ventilation.
Ensure that eyewash stations and safety showers are close to the workstation location.

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 : Clothing may ignite and burn fiercely if product dries out.
Remove and wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid

Colour : colourless

Odour : slight
Pungent

Safety data

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Flash point : Non-Flammable
Oxidizing properties : Oxidizer
pH : < 3
Freezing point : -8 °F (-22 °C)
Boiling point/boiling range : 221 °F (105 °C)
Relative density : 1.12
at 68 °F(20 °C)
Water solubility : completely soluble
Relative vapour density : ca.0.6

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : High temperatures.
Poor ventilation.
Contamination

Materials to avoid : Bases
Metals
Reducing agents
Acids
Combustible material
Organic materials
Do not mix with other chemicals.
Do not mix with other swimming pool/spa chemicals in their concentrated forms.

Hazardous decomposition products : Type: Hazardous decomposition products
Oxygen

Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat
Dose: 800 mg/kg

Acute inhalation toxicity : May cause severe irritation of the respiratory tract with coughing, choking, pain and possibly burns of the mucous membranes.

Skin irritation : rabbit
Classification: Corrosive

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Result: Primary Irritation Index (PII) = 6.1
Causes skin burns.

Eye irritation : rabbit
Classification: Corrosive
Causes severe eye damage.

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information : Toxic to fish.
Toxic to aquatic organisms.

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : If these wastes cannot be disposed of by use according to label instructions, contact your Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. For registered pesticides, contact your State Pesticide Agency.
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 UN-Number : 2014
Proper shipping name : Hydrogen peroxide, aqueous solutions
Class : 5.1 (8)
Packing group : II

IATA UN-Number : 2014
Proper shipping name : Hydrogen peroxide, aqueous solution
Class : 5.1 (8)
Packing group : II

IMDG UN-Number : 2014
Proper shipping name : HYDROGEN PEROXIDE, AQUEOUS SOLUTION
Class : 5.1 (8)

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Packing group : II

Not recommended for shipment by air
Limited Quantity exemption possible
ORM-D Consumer Commodity exemption possible

SECTION 15. REGULATORY INFORMATION

National regulatory information

OSHA Hazards : This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

SARA Hazard category : Fire Hazard
Acute Health Hazard
Reactivity Hazard

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

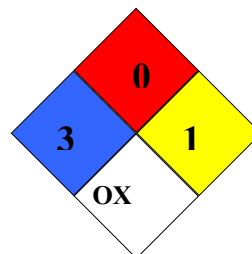
Additional advice :

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

SECTION 16. OTHER INFORMATION

Further information

NFPA Classification : Health Hazard: 3
Fire Hazard: 0
Reactivity Hazard: 1
Specific hazards: OX Class 1
Oxidizer.



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HMIS Classification : Health Hazard: 3
Flammability: 0
Reactivity: 1
PPI: Ask supervisor or safety specialist for handling instructions

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