

SpaGuard® Spa Shock

Version:	1.0
Revision Date:	03/23/2009
Print Date:	09/18/2009

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: SpaGuard® Spa Shock
Product Use Description: Recreational Water Product
Chemical nature: Peroxygen salt
Registration number: CALIFORNIA 5185-50029
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: granules
Colour: white
Odour: odourless

Corrosive
Causes eye burns.
Causes skin burns.
Causes respiratory tract irritation.

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

SpaGuard® Spa Shock

Version:	1.0
Revision Date:	03/23/2009
Print Date:	09/18/2009

Harmful if swallowed.
Avoid breathing dust.
Do not get in eyes, on skin, or on clothing.

Potential Health Effects

- Inhalation : Causes respiratory tract irritation.
- Skin : Corrosive
Causes skin burns.
- Eyes : Corrosive
Causes eye burns.
- Ingestion : Harmful if swallowed.

SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Concentration
potassium hydrogenperoxomonosulphate	10058-23-8	28 - 32 %
potassium sulfate	7778-80-5	18 - 22 %
potassium hydrogensulphate	7646-93-7	15 - 19 %
dipotassium peroxodisulphate	7727-21-1	1 - 3 %
magnesium carbonate	546-93-0	1 - 3 %
Trade Secret 016		12 - 15 %
sodium carbonate		12 - 15 %

SECTION 4. FIRST AID MEASURES

First aid procedures

- Inhalation : Remove to fresh air.
Give oxygen or artificial respiration if needed.
Call a POISON CENTRE or doctor/physician.
- 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.

SpaGuard® Spa Shock

Version:	1.0
Revision Date:	03/23/2009
Print Date:	09/18/2009

Ingestion : Call a physician or poison control centre immediately.
Do not induce vomiting unless told to do so by the poison control center or doctor.
Have person sip a glass of water if able to swallow.
Do not give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point : not applicable

Protective equipment and precautions for firefighters

Suitable extinguishing media : Water

Hazardous combustion products : Acid fumes.
Oxygen

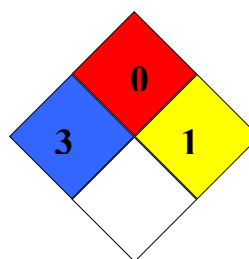
Hazardous decomposition products : Oxygen

Further information : There are no unusual fire and explosion hazards known.

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: 3
Fire Hazard: 0
Reactivity Hazard: 1



SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : Do not allow material to contaminate ground water system.
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,

SpaGuard® Spa Shock

Version:	1.0
Revision Date:	03/23/2009
Print Date:	09/18/2009

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

Advice on safe handling : Strong oxidizing agent.
Avoid contact with skin, eyes and clothing.
Do not mix with other chemicals.
May cause fire or explosion; strong oxidizer.
Mix only with water.
Never add water to this product.
Always add product to large quantities of water.
Always apply directly into the pool or spa.
Do not place this product in skimmer basket, pump pot, brominator, or chlorinator.
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.

Storage

Requirements for storage areas and containers : Store in original container.
Keep tightly closed.
Store in a cool, dry, well ventilated area away from heat or open flame.
Never return unused material to storage receptacle.
Keep out of reach of children.
Keep away from animals.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Components with workplace control parameters

Components / CAS-No.	Value - Basis - Update	Control parameters	Further information
dipotassium peroxodisulphate 7727-21-1	TWA ; ACGIH 1996-05-18	0.1 mg/m3	1996 Adoption

Exposure Guidelines

Components with workplace control parameters

Components / CAS-No.	Value - Basis - Update	Control parameters	Further information
magnesium carbonate 546-93-0	TWA ; OSHA PO 1989-03-01	15 mg/m3	Total dust

SpaGuard® Spa Shock

Version:	1.0
Revision Date:	03/23/2009
Print Date:	09/18/2009

magnesium carbonate 546-93-0	TWA ; OSHA PO 1989-03-01	5 mg/m3	respirable dust fraction
magnesium carbonate 546-93-0	TWA ; OSHA P1 1993-06-30	15 mg/m3	Total dust
magnesium carbonate 546-93-0	TWA ; OSHA P1 1993-06-30	5 mg/m3	respirable dust fraction

Exposure Guidelines

Components with workplace control parameters

Components / CAS-No.	Value - Basis - Update	Control parameters	Further information
Trade Secret 016	TWA ; OSHA PO 1989-03-01	10 mg/m3	
Trade Secret 016	TWA ; ACGIH 2005-01-01	2 mg/m3	A4: The agent (mixture, or exposure circumstance) is not classifiable as to its carcinogenicity to humans. Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract.
Trade Secret 016	STEL ; ACGIH 2005-01-01	6 mg/m3	A4: The agent (mixture, or exposure circumstance) is not classifiable as to its carcinogenicity to humans. Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract.

Engineering measures

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

Personal protective equipment

Eye protection : 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 : Remove and wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : granules

Colour : white

Odour : odourless

SpaGuard® Spa Shock

Version:	1.0
Revision Date:	03/23/2009
Print Date:	09/18/2009

Safety data

- Flash point : not applicable
- pH : 8.4 - 8.7
1% Solution
- Melting point/range : Decomposes before melting.
- Boiling point/boiling range : not applicable
- Vapour pressure : Not Available
- Relative density : 1.1 - 1.4
- Water solubility : 235 g/l
at 68 °F (20 °C)
- Relative vapour density : Not Available

SECTION 10. STABILITY AND REACTIVITY

- Conditions to avoid : Moisture/high humidity.
Poor ventilation.
High temperatures.
Contamination
- Materials to avoid : Do not mix with other swimming pool/spa chemicals in their concentrated forms.
Mixing with compounds containing halides or active halogens can cause release of the respective halogen if moisture is present.
Mixing with heavy metal salts such as those of cobalt, nickel, copper, or manganese can cause decomposition with release of oxygen and heat.
Cyanides
- Hazardous decomposition products : Type: Hazardous combustion products
Acid fumes.
Oxygen
Type: Hazardous decomposition products
Oxygen
- Hazardous reactions : Hazardous polymerisation does not occur.
Possibility of hazardous reactions
Mixing with cyanides can cause release of hydrogen cyanide gas.

Version:	1.0
Revision Date:	03/23/2009
Print Date:	09/18/2009

SECTION 11. TOXICOLOGICAL INFORMATION

Skin irritation : Classification: Corrosive
Causes skin burns.

Eye irritation : Classification: Corrosive
Causes eye burns.

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information : May be toxic to fish.
May be toxic to aquatic organisms.
Do not allow material to contaminate ground water system.
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.
Rinse thoroughly before discarding in trash.
Offer rinsed packaging material to local recycling facilities.

SECTION 14. TRANSPORT INFORMATION

DOT UN-Number : 3260
Proper shipping name : Corrosive solid, acidic, inorganic, n.o.s.
Proper technical name : (monopersulfate compound)
Class : 8
Packing group : II

IATA UN-Number : 3260
Proper shipping name : Corrosive solid, acidic, inorganic n.o.s.
Proper technical name : (monopersulfate compound)
Class : 8
Packing group : II

SpaGuard® Spa Shock

Version:	1.0
Revision Date:	03/23/2009
Print Date:	09/18/2009

IMDG UN-Number : 3260
Proper shipping name : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
Proper technical name (monopersulfate compound)
Class : 8
Packing group : II

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

Version:	1.0
Revision Date:	03/23/2009
Print Date:	09/18/2009

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.

US State Regulations

US MA RTK (Component) : US. The Commonwealth of Massachusetts Department of Public Health; Massachusetts Right-to-know law, The Massachusetts Substance List, 105 CMR 670.000

Massachusetts hazardous substance

dipotassium peroxodisulphate	7727-21-1	1 - 3 %
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Massachusetts hazardous substance

magnesium carbonate	546-93-0	1 - 3 %
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Massachusetts hazardous substance

Trade Secret 016		12 - 15 %
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US NJ RTK (Component) : US. New Jersey Department of Environmental Protection -; Bureau of Hazardous Substances New Jersey Right to Know Law, Hazardous Substance List [P.L. 1983, C. 315, NJSA 34:5A-1 et seq]

special health hazard substance, special health hazard, corrosive

potassium hydrogensulphate	7646-93-7	15 - 19 %
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hazardous substance

dipotassium peroxodisulphate	7727-21-1	1 - 3 %
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SpaGuard® Spa Shock

Version:	1.0
Revision Date:	03/23/2009
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US PA RTK
(Component)

:	<u>US. Commonwealth of Pennsylvania - Department of Labor and Industry;</u> <u>Pennsylvania Code Title 34, Labor and Industry Chapter 323</u>	
	hazardous substance	
	dipotassium peroxodisulphate	7727-21-1 1 - 3 %

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

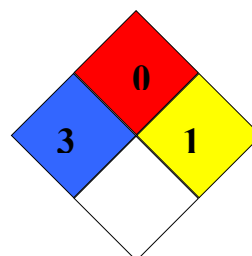
Additional advice :

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



HMS Classification : Health Hazard: 3
Flammability: 0
Physical and chemical hazards: 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

SpaGuard® Spa Shock

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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.