

MATERIAL SAFETY DATA SHEET

MSDS

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Date-Issued: 08/11/1997

MSDS Ref. No: BBIO42335

Date-Revised: 08/12/1997

Revision No: New MSDS

SpaGuard Surface Cleaner

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SpaGuard Surface Cleaner

GENERAL USE: Removes water line, oils and greases from spa and hot tub surfaces.

CHEMICAL FAMILY: Mixture

MANUFACTURER

Bio-Lab, Inc.

BioGuard

P.O. Box 1489

Decatur, GA 30031

Customer SERVICE: 800-859-7946

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (Transportation) (800) 424-9300

Poison Control Center (Medical) 877-800-5553

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt.%</u>
Phosphoric acid	7664-38-2	11.25
Propylene glycol	57-55-6	10
Modified Polyethoxylated Alcohol	68603-25-8	7.8
Alkylaminopolyethoxy-polypropoxypropanol	68603-58-7	7.6
Hydrochloric acid	7647-01-0	1.2

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:

Purple / red liquid with perfume odor.

IMMEDIATE CONCERNS:

DANGER: Corrosive. Causes skin and eye damage. Harmful if swallowed. Avoid contact with eyes, skin or clothing. Wear goggles or safety glasses and rubber gloves when handling this product. May be irritating to nose and throat. Avoid breathing vapors. Remove and wash contaminated clothing before reuse. Do not mix with other chemicals.

POTENTIAL HEALTH EFFECTS

EYES:

DANGER: Corrosive. Causes eye damage. Do not get in eyes.

SKIN:

DANGER: Corrosive. Causes skin damage. Do not get on skin.

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INGESTION:

Harmful if swallowed.

INHALATION:

May be irritating to nose and throat. Avoid breathing vapors.

CHRONIC:

There are no known chronic hazards.

ROUTES OF ENTRY:

Skin Contact, Inhalation, Ingestion, Eye Contact.

4. FIRST AID MEASURES

EYES:

If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

SKIN:

If contact with skin: Rinse off excess chemical and flush skin with cold water for at least 15 minutes. If skin irritation develops, seek immediate medical attention.

INGESTION:

If swallowed: Drink large amounts of water. Do not induce vomiting. Avoid alcohol. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician or poison control center immediately.

INHALATION:

If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: None

GENERAL HAZARD:

There are no unusual fire and explosion hazards known.

EXTINGUISHING MEDIA:

Water Fog

FIRE FIGHTING EQUIPMENT:

Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

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6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES:

STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate clothing and safety equipment, contain spill material. Cover the liquid with an inert absorbent. Using clean, dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry plastic containers for disposal. Dispose of according to local, state and federal regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Avoid contact with eyes, skin or clothing. Avoid breathing vapors.

HANDLING:

Read entire product label and use strictly in accordance with hazard warnings and directions.

STORAGE:

Keep this product in its original container when not in use. Store in cool, dry, well-ventilated area. Keep this product and all other chemicals out of children's reach.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SUPPLIER OEL	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Phosphoric acid	TWA		1		1		
	STEL				3		
Propylene glycol	TWA	N/E ^[1]		N/E			
Modified Polyethoxylated Alcohol	TWA	N/E		N/E			
Alkylaminopolyethoxy-polypropoxypropanol	TWA	N/E		N/E			
Hydrochloric acid	TWA	5		5			

OSHA TABLE COMMENTS:

1. N/E = Not Established

ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to maintain exposure below TLV.

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PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE:

Wear goggles or safety glasses with side shields when handling this product.

SKIN:

Wear rubber gloves when handling this product. Avoid contact with skin.

RESPIRATORY:

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.

WORK HYGIENIC PRACTICES:

If product gets on clothing, remove and wash before reuse.

OTHER USE PRECAUTIONS:

Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Perfume aroma

APPEARANCE: Clear

COLOR: Purple / red

pH: <2

SOLUBILITY IN WATER: Miscible in Water

SPECIFIC GRAVITY: 1.0 g/ml

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

High temperature. Poor ventilation. Contamination.

STABILITY:

This product is stable under normal conditions.

POLYMERIZATION:

Hazardous polymerization will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS:

Vapors/fumes of organic/inorganic materials plus oxides of carbon may be emitted.

INCOMPATIBLE MATERIALS:

Other swimming pool/spa chemicals in their concentrated forms. Bases and strong oxidizing agents.

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11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

This product is corrosive to eyes.

SKIN EFFECTS:

This product is corrosive to skin.

CARCINOGENICITY:

This product is not listed as a carcinogen by IARC.

This product is not listed as a carcinogen by NTP.

This product is not listed as a carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

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.

PRODUCT DISPOSAL:

Dispose of unused, uncontaminated product in compliance with local, state and federal regulations.

EMPTY CONTAINER:

Do not reuse container. Rinse thoroughly before discarding in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquids, N.O.S. (Contains Phosphoric Acid, Hydrochloric Acid)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 1760

PACKING GROUP: III

OTHER SHIPPING INFORMATION: Limited Quantity

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15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Hydrochloric acid is a SARA Title III Section 313 Toxic Chemical. Phosphoric acid is a SARA Title III Section 313 Toxic Chemical.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Phosphoric acid (CAS # 7664-38-2), a component of this product, has a CERCLA RQ of 5000 lbs. Hydrochloric acid (muriatic acid) (CAS # 7647-01-0), a component of this product, has a CERCLA RQ of 5000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product or its components are not subject to export notification.

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

OSHA HAZARD COMM. RULE:

Product is hazardous by definition of the Hazardous Communication Standard.

CLEAN WATER ACT:

Phosphoric acid is listed as a Clean Water Act Section 311 Hazardous Substance.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):

This product is not a registered pesticide.

DEA (DRUG ENFORCEMENT PRECURSOR & ESSENTIAL CHEMICALS) LISTED SUBSTANCE:

Hydrochloric acid is listed as a DEA essential chemical.

CLEAN AIR ACT

40 CFR PART 68—RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Hydrochloric acid is listed under the Clean Air Act Sections 112 [Statutory Air Pollutants] and 112r [Accidental Release Prevention Substances].

16. OTHER INFORMATION

REVISION SUMMARY

Revision #: 1

This MSDS replaces the MSDS. Any changes in information are as follows:

NFPA CODES

HEALTH: 3 FIRE: 0 REACTIVITY: 1

HMIS CODES

HEALTH: 3 FIRE: 0 REACTIVITY: 1 PROTECTION: B

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MANUFACTURER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.
