

MATERIAL SAFETY DATA SHEET

MSDS

PRO GUARD TILE CLEANER

Date-Issued: 11/08/1999
MSDS Ref. No: BBPG23635
Date-Revised: 06/13/2002
Revision No: 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PRO GUARD TILE CLEANER
GENERAL USE: Removes scale and hard water deposits from pool walls.
CHEMICAL FAMILY: Mixture

MANUFACTURER

Bio-Lab, Inc.
 ProGuard
 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>
Nonylphenol ethoxylate	9016-45-9	20 - 25
Phosphoric acid	7664-38-2	4 - 6
Hydrochloric acid	7647-01-0	10
Hydroxyacetic acid	79-14-1	2

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

PHYSICAL APPEARANCE: Clear, red liquid with perfume odor.

IMMEDIATE CONCERNS: DANGER: Corrosive: Causes skin and eye burns. May be fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. May be irritating to nose and throat. Avoid breathing vapors. If product gets on clothing, remove and wash the clothing before reuse. Do not mix with other chemicals.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye burns. Do not get in eyes.

SKIN: Causes skin burns. Do not get on skin.

INGESTION: Ingestion causes digestive tract burns, which may lead to perforation of the digestive tract, which may be fatal.

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 in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN: If contact with skin: Rinse skin immediately with plenty of water for 15-20 minutes. Get medical attention if irritation persists.

INGESTION: If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip 1-2 glasses of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: If inhaled: Remove to fresh air. Get medical attention if breathing is difficult.

NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: STEPS 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.

STORAGE: Keep this product in original tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame.

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
Nonylphenol ethoxylate	TWA	N/E ^[1]		N/E			
Phosphoric acid	TWA		1		1		
	STEL				3		
Hydrochloric acid	TWA	5		5			
Hydroxyacetic acid	TWA	N/E		N/E			

OSHA TABLE COMMENTS:
1. N/E = Not Established

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

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: Red

pH: <2.5

VAPOR PRESSURE: Not Established

VAPOR DENSITY: Not Established

BOILING POINT: Not Established

FREEZING POINT: Not Established

SOLUBILITY IN WATER: Miscible in Water

SPECIFIC GRAVITY: 1.08 g/ml

VISCOSITY: 3500 to 5500cps

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.

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

PRODUCT DISPOSAL: Disposal of unused, uncontaminated product is regulated according to local, state and federal regulations.

EMPTY CONTAINER: Do not reuse empty container. Discard 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

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: 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

PREPARED BY: Regulatory Affairs Department

REVISION SUMMARY Revision #: 1

This MSDS replaces the November 08, 1999 MSDS. Any changes in information are as follows:
In Section 1
Prepared By, Prepared By

HMIS RATING		
HEALTH:		3
FLAMMABILITY:		1
PHYSICAL HAZARD:		1
PERSONAL PROTECTION:		B

NFPA RATING	
HEALTH:	3
FIRE:	1
REACTIVITY:	1

Key
4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

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.