

**MATERIAL SAFETY DATA SHEET**

MSDS

**BioGuard Strip Kwik**

**Date-Issued:**07/24/1997  
**MSDS Ref. No:**BBIO23756  
**Date-Revised:**07/16/2002  
**Revision No:**2

**1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** BioGuard Strip Kwik  
**GENERAL USE:** Degreaser for cleaning filters.  
**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>
Dipropylene glycol monomethyl ether	34590-94-8	6
Sodium hydroxide	1310-73-2	8
Nonylphenol ethoxylated phosphate ether	51811-79-1	4
Benzenesulfonic acid, dodecyl(sulfophenoxy)-, diammonium salt (DDBSA)	67968-24-5	1.5

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Purple liquid

**IMMEDIATE CONCERNS:** DANGER: Corrosive. Causes skin and eye burns. Causes digestive tract burns. Do not taste or swallow. Do not get in eyes, on skin, or on clothing. Wear 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 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.

**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 poison control center or doctor immediately for treatment advice. 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. 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:** >(200°F)

**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.

**HANDLING:** Mix only with water. Do not mix with other chemicals.

**STORAGE:** Keep this product dry in original tightly closed container when not in use. Store in a cool, dry, well ventilated area. Do not reuse container, but place in trash collection.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		<u>EXPOSURE LIMITS</u>					
		<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>SUPPLIER OEL</u>	
		<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>
Dipropylene glycol monomethyl ether	<b>TWA</b>	100	600	100	606		
	<b>STEL</b>			150	909		
Sodium hydroxide	<b>TWA</b>		2		2		
Nonylphenol ethoxylated phosphate ether	<b>TWA</b>			[1]			
Benzenesulfonic acid, dodecyl(sulfophenoxy)-, diammonium salt (DDBSA)							

#### 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:** Odorless

**APPEARANCE:** Clear

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**COLOR:** Purple  
**pH:** >11.9  
**VAPOR PRESSURE:** Not Established  
**VAPOR DENSITY:** Not Established  
**BOILING POINT:** Not Established  
**FREEZING POINT:** Not Established  
**SOLUBILITY IN WATER:** Miscible in Water  
**DENSITY:** 8.76 lbs/gal  
**SPECIFIC GRAVITY:** 1.05 g/ml

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## 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. Strong mineral and organic acids. 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.

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## 12. ECOLOGICAL INFORMATION

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

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## 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.

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## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Corrosive Liquids, N.O.S. (Contains Sodium Hydroxide Solution)

**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)**

**311/312 HAZARD CATEGORIES:**

**FIRE:** YES **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES **CHRONIC:** NO

**313 REPORTABLE INGREDIENTS:** This product or its components are not listed.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** Sodium hydroxide (CAS# 1310-73-2), a component of this product has a CERCLA RQ of 1000 lbs. Dodecylbenzene sulfonic acid (CAS# 27176-87-0), a component of this product, has a CERCLA RQ of 1000 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:** Dodecylbenzene sulfonic acid is listed as a Clean Water Act Section 311 Hazardous Substance. Sodium hydroxide 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.

**16. OTHER INFORMATION****REVISION SUMMARY** Revision #: 2

This MSDS replaces the June 17, 2002 MSDS. Any changes in information are as follows:

In Section 5

(Group Field) for Flash Point Flash Point (Operator) Flash Point °F (From)

**HMIS RATING**

<b>HEALTH:</b>		3
<b>FLAMMABILITY:</b>		2
<b>PHYSICAL HAZARD:</b>		0
<b>PERSONAL PROTECTION:</b>		B

**NFPA RATING**

<b>HEALTH:</b>	3
<b>FIRE:</b>	2
<b>REACTIVITY:</b>	0

## Key

4 = Severe

3 = Serious

2 = Moderate

1 = Slight

0 = Minimal

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