

BioGuard® Strip Kwik®

Version:	1.0
Revision Date:	04/29/2008
Print Date:	09/16/2009

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® Strip Kwik®
Product Use Description: Recreational Water Product

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

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: clear Purple
Odour: Odorless

Corrosive
Causes skin burns.
Causes eye burns.
Causes digestive tract burns.
May cause respiratory tract irritation.
Do not taste or swallow.
Avoid breathing vapors.
Do not get in eyes, on skin, or on clothing.

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

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Potential Health Effects

Primary Routes of Entry : Skin contact
Eye contact
Inhalation
Ingestion

Inhalation : May cause respiratory tract irritation.

Skin : Causes skin burns.

Eyes : Causes eye burns.

Ingestion : Causes digestive tract burns.

Chronic Exposure : None known.

SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous components**

Component	CAS-No.	Concentration
sodium hydroxide	1310-73-2	5 - 10 %
(2-methoxymethylethoxy)propanol	34590-94-8	5 - 10 %
Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-, phosphate	51811-79-1	< 5 %
diammonium dodecyl(sulphonatophenoxy)benzenesulphonate	67968-24-5	< 5 %
tetrasodium ethylenediaminetetraacetate	64-02-8	< 2 %

SECTION 4. FIRST AID MEASURES**First aid procedures**

Inhalation : Remove to fresh air.
Call a POISON CENTRE or doctor/physician.

Skin contact : Rinse immediately with plenty of water for at least 15 minutes.
If skin irritation persists, call a 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.

Ingestion : Immediately call a POISON CENTRE or doctor/physician.
Have person sip a glass of water if able to swallow.

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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.

Notes to physician

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

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point : > 199.9 °F (93.3 °C)
Method: Pensky-Martens closed cup ASTM D 93

Protective equipment and precautions for firefighters

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

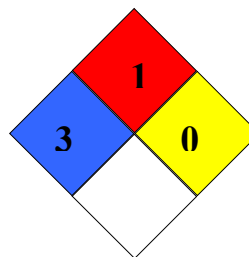
Hazardous decomposition products : Organic vapors.
Carbon oxides

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: 1 Class IIIB
Combustible Liquid
Reactivity Hazard: 0



SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods for containment / Methods for cleaning up : Using appropriate protective clothing and safety equipment, contain spilled material.
Soak up with inert absorbent material.
Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry

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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 : Avoid contact with skin, eyes and clothing.
Avoid breathing vapors.
Mix only with water.
Do not mix with other chemicals.
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 in a dry, cool and well-ventilated place.
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
(2-methoxymethylethoxy)propanol 34590-94-8	TWA ; ACGIH 1994-09-01	100 ppm 606 mg/m3	Skin contact does contribute to exposure.
(2-methoxymethylethoxy)propanol 34590-94-8	STEL ; ACGIH 1994-09-01	150 ppm 909 mg/m3	Skin contact does contribute to exposure.
(2-methoxymethylethoxy)propanol 34590-94-8	TWA ; OSHA PO 1989-03-01	100 ppm 600 mg/m3	Skin contact does contribute to exposure.
(2-methoxymethylethoxy)propanol 34590-94-8	STEL ; OSHA PO 1989-03-01	150 ppm 900 mg/m3	Skin contact does contribute to exposure.
(2-methoxymethylethoxy)propanol 34590-94-8	TWA ; OSHA P1 1993-06-30	100 ppm 600 mg/m3	Skin contact does contribute to exposure.

Exposure Guidelines**Components with workplace control parameters**

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Components / CAS-No.	Value - Basis - Update	Control parameters	Further information
sodium hydroxide 1310-73-2	CEIL ; ACGIH 1994-09-01	2 mg/m3	
sodium hydroxide 1310-73-2	CEIL ; OSHA PO 1989-03-01	2 mg/m3	
sodium hydroxide 1310-73-2	TWA ; OSHA P1 1993-06-30	2 mg/m3	

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 : liquid

Colour : clear
Purple

Odour : Odorless

Safety data

Flash point : > 199.9 °F (93.3 °C)
Method: Pensky-Martens closed cup ASTM D 93

pH : > 11.9

Freezing point : Not Available

Boiling point/boiling range : Not Available

Vapour pressure : Not Available

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Density : 1.05 g/cm3
Water solubility : completely miscible
Relative vapour density : Not Available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : High temperatures.
Poor ventilation.
Contamination

Materials to avoid : Do not mix with other swimming pool/spa chemicals in their concentrated forms.
Strong oxidizing agents
Strong acids

Hazardous decomposition products : Type: Hazardous decomposition products
Organic vapors.
Carbon oxides

Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Skin irritation : Causes skin burns.

Eye irritation : Causes eye burns.

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information : May be toxic to fish.
May be toxic to aquatic organisms.
Do not flush into surface water or sanitary sewer system.

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SECTION 13. DISPOSAL CONSIDERATIONS

- Further information : Dispose of waste material in compliance with all federal, state, and local regulations.
Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor.

- 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 : 1760
Proper shipping name : Corrosive liquids, n.o.s.
Proper technical name : (CONTAINS SODIUM HYDROXIDE)
Class : 8
Packing group : III

- IATA** UN-Number : 1760
Proper shipping name : Corrosive liquid n.o.s.
Proper technical name : (CONTAINS SODIUM HYDROXIDE)
Class : 8
Packing group : III

- IMDG** UN-Number : 1760
Proper shipping name : CORROSIVE LIQUID, N.O.S.
Proper technical name : (CONTAINS SODIUM HYDROXIDE)
Class : 8
Packing group : III

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

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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 : Acute Health Hazard
Fire Hazard

US CERCLA (Component) : US. Environmental Protection Agency (EPA); The 1980 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

Reportable quantity: 1,000 lbs
sodium hydroxide | 1310-73-2 | >= 5 - <= 10 %

TSCA 12B (Component) : US. Environmental Protection Agency (EPA); Toxic Substances Control Act (TSCA) Section 12(b) 40 CFR Subchapter R

(2-methoxymethylethoxy)propano
1 | 34590-94-8 | >= 5 - <= 10 %

TSCA 4A (Component) : US. Toxic substances control, title 15-commerce and trade, chapter 53-subchapter i-control of toxic substances, 2603, 2611, 2625.
EPA is taking direct final action to amend the final test rule, "In Vitro Dermal Absorption Rate Testing of Certain Chemicals of Interest to the Occupational Safety and Health Administration," promulgated under section 4 of the Toxic Substances Control Act (TSCA). This amendment removes the requirement that testing be conducted to determine a permeability constant (Kp) for dipropylene glycol methyl ether (DPGME). However, the requirement to conduct testing to measure short-term dermal absorption rates remains for DPGME.

(2-methoxymethylethoxy)propano
1 | 34590-94-8 | >= 5 - <= 10 %

TSCA 8AP (Component) : US. Toxic substances control, title 15-commerce and trade, chapter 53-subchapter i-control of toxic substances 2607(a).

(2-methoxymethylethoxy)propano
1 | 34590-94-8 | >= 5 - <= 10 %

US CWA (Product) : Listed

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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

sodium hydroxide	1310-73-2	>= 5 - <= 10 %
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Massachusetts hazardous substance

(2-methoxymethylethoxy)propano 1	34590-94-8	>= 5 - <= 10 %
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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

sodium hydroxide	1310-73-2	>= 5 - <= 10 %
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hazardous substance

(2-methoxymethylethoxy)propanol	34590-94-8	>= 5 - <= 10 %
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US PA RTK
(Component)

: US. Commonwealth of Pennsylvania - Department of Labor and Industry; Pennsylvania Code Title 34, Labor and Industry Chapter 323

environmental hazard, hazardous substance

sodium hydroxide	1310-73-2	>= 5 - <= 10 %
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hazardous substance

(2-methoxymethylethoxy)propano	34590-94-8	>= 5 - <= 10 %
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The components of this product are reported in the following inventories:
TSCA

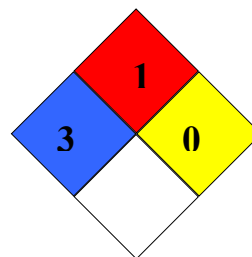
Additional advice :

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: 1 Class IIIB
Combustible Liquid
Reactivity Hazard: 0



HMIS Classification : Health Hazard: 3
Flammability: 1
Physical and chemical hazards: 0
PPI:Ask supervisor or safety specialist for handling instructions

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.