

BioGuard® Kleen It®

Version:	1.0
Revision Date:	05/09/2008
Print Date:	05/23/2008

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® Kleen It®
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

WARNING!

Form: liquid
Colour: yellow
Odour: Lemon.

Causes severe eye irritation.
May be harmful if inhaled.
May cause skin irritation.
May cause irritation of respiratory tract.
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
Inhalation
Ingestion
Eye contact

Inhalation : May cause irritation of respiratory tract.

Skin : May cause skin irritation.

Eyes : Causes severe eye irritation.

Ingestion : May be harmful if swallowed.

Chronic Exposure : None known.

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

Component	CAS-No.	Concentration
Organic acid salt		15 - 25 %
Surfactant		1 - 5 %
Proprietary additive 102		< 2 %
Proprietary additive 043		< 5 %

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

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

Skin contact : Flush with plenty of water.
Call a physician if irritation develops or persists.

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 : Call a physician or poison control centre immediately.
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.

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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.

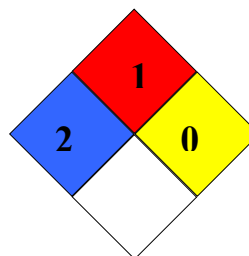
Hazardous decomposition products : Carbon oxides
nitrogen oxides (NOx)

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: 2
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 containers for disposal.

Additional advice : Treat recovered material as described in the section "Disposal considerations".

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SECTION 7. HANDLING AND STORAGE

Handling

Advice on safe handling : Avoid contact with skin, eyes and clothing.
 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
Proprietary additive 043	TWA ; ACGIH 1994-09-01	100 ppm 606 mg/m3	Skin contact does contribute to exposure.
Proprietary additive 043	STEL ; ACGIH 1994-09-01	150 ppm 909 mg/m3	Skin contact does contribute to exposure.
Proprietary additive 043	TWA ; OSHA PO 1989-03-01	100 ppm 600 mg/m3	Skin contact does contribute to exposure.
Proprietary additive 043	STEL ; OSHA PO 1989-03-01	150 ppm 900 mg/m3	Skin contact does contribute to exposure.
Proprietary additive 043	TWA ; OSHA P1 1993-06-30	100 ppm 600 mg/m3	Skin contact does contribute to exposure.

Engineering measures

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

Personal protective equipment

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- Eye protection : Safety glasses with side-shields
- Hand protection : For prolonged or repeated contact use protective gloves.
Wear rubber gloves.
- Skin and body protection : Remove and wash contaminated clothing before re-use.
- Respiratory protection : If used in a confined area, respirator protection may be necessary.
- Hygiene measures : Wash contaminated clothing before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : liquid
- Colour : yellow
- Odour : Lemon.

Safety data

- Flash point : > 199.9 °F (93.3 °C)
Method: Pensky-Martens closed cup ASTM D 93
- pH : ca. 1
- Freezing point : Not Available
- Boiling point/boiling range : Not Available
- Vapour pressure : Not Available
- Density : 8.77 lb/gal
- Relative density : 1.052
- Water solubility : completely miscible
- Relative vapour density : Not Available

SECTION 10. STABILITY AND REACTIVITY

- Conditions to avoid : High temperatures.
Poor ventilation.
Contamination

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- Materials to avoid : Do not mix with other swimming pool/spa chemicals in their concentrated forms.
Oxidizing agents
Bases
- Hazardous decomposition products : Type: Hazardous decomposition products
Carbon oxides
nitrogen oxides (NOx)
- Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

- Skin irritation : May cause skin irritation.
- Eye irritation : Causes eye irritation.

SECTION 12. ECOLOGICAL INFORMATION

- Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

- Further information : Dispose of waste material in compliance with all federal, state, and local regulations.
Recycle or dispose of container in trash.
- Contaminated packaging : Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

- DOT** Not dangerous goods
- TDG** Not dangerous goods

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IATA Not dangerous goods

IMDG Not dangerous goods

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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 : Fire Hazard
Acute Health Hazard

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

Reportable quantity: 5,000 lbs
Proprietary additive 102 || || < 2 %

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

Proprietary additive 043 || || < 5 %

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.

Proprietary additive 043 || || < 5 %

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

Proprietary additive 043 || || < 5 %

US CWA (Product) : Listed

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

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Massachusetts hazardous substance		
Proprietary additive 102		< 2 %

Massachusetts hazardous substance		
Proprietary additive 043		< 5 %

US NJ RTK
(Component)

:

<u>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, NJS 34:5A-1 et seq]</u>		
hazardous substance		
Proprietary additive 102		< 2 %

hazardous substance		
Proprietary additive 043		< 5 %

US PA RTK
(Component)

:

<u>US. Commonwealth of Pennsylvania - Department of Labor and Industry; Pennsylvania Code Title 34, Labor and Industry Chapter 323</u>		
environmental hazard, hazardous substance		
Proprietary additive 102		< 2 %

hazardous substance		
Proprietary additive 043		< 5 %

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

Additional advice :

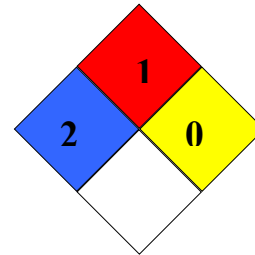
FIFRA (Federal Insecticide, Fungicide, Rodenticide Act): This product is not a registered pesticide.

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SECTION 16. OTHER INFORMATION

Further information

NFPA Classification : Health Hazard: 2
Fire Hazard: 1 Class IIIB
Combustible Liquid
Reactivity Hazard: 0



HMIS Classification : Health Hazard: 2
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.