

# MATERIAL SAFETY DATA SHEET

## MSDS

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Date-Issued: 08/14/1997  
MSDS Ref. No: BBIO26250  
Date-Revised: 08/15/1997  
Revision No: New MSDS

### BioGuard Reagent #3B Alkali Demand Titrant

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BioGuard Reagent #3B Alkali Demand Titrant  
GENERAL USE: Water Analysis  
CHEMICAL FAMILY: Alkali

##### 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

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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt.%</u>
No Hazardous Materials are Contained in this Product.		

##### COMMENTS:

Ingredients listed in this section have been determined to be hazardous as defined in 29 CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% of more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% of more of the composition. Information on proprietary materials is available as provided in 29 CFR 1910.1200.

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#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:  
Clear, colorless liquid.

##### IMMEDIATE CONCERNS:

As part of good personal hygiene and safety procedures, avoid all unnecessary exposure to the product and ensure prompt removal from eyes, skin and clothing.

##### POTENTIAL HEALTH EFFECTS

EYES:  
May cause eye irritation. Avoid contact with eyes.

SKIN:  
May cause skin irritation. Avoid contact with skin.

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#### INGESTION:

May be 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.

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## 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 on skin: Wash with plenty of soap and water. Get medical attention.

#### INGESTION:

If swallowed: Drink large amounts of water. 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.

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## 5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Applicable

#### GENERAL HAZARD:

There are no unusual fire and explosion hazards known.

#### EXTINGUISHING MEDIA:

Appropriate to surrounding fire.

#### 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

**SMALL SPILL:**

Flush with water.

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#### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:**

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

**HANDLING:**

Use safe chemical handling procedures for the hazards presented by this material.

**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.

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

General room ventilation plus local exhaust should be used to minimize exposure to vapors.

**PERSONAL PROTECTIVE EQUIPMENT:**

**EYES AND FACE:**

Use of safety glasses with side shields is recommended, if conditions warrant.

**SKIN:**

No special requirement.

**RESPIRATORY:**

None required.

**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.

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid  
ODOR: Odorless  
APPEARANCE: Clear  
COLOR: Colorless  
pH: 10.5  
SOLUBILITY IN WATER: Miscible in Water  
SPECIFIC GRAVITY: 1 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.

INCOMPATIBLE MATERIALS:

Other swimming pool/spa chemicals in their concentrated forms. Oxidizing compounds.

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#### 11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

This product may be irritating to eyes.

SKIN EFFECTS:

This product may be irritating 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

**PRODUCT DISPOSAL:**

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

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#### 14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

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#### 15. REGULATORY INFORMATION

**UNITED STATES**

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product or its components are not listed.

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 not hazardous by definition of the Hazardous Communication Standard.

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

This product is not a registered pesticide.

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#### 16. OTHER INFORMATION

**REVISION SUMMARY**

Revision #: 1

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

**NFPA CODES**

HEALTH: 0    FIRE: 0    REACTIVITY: 0

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#### HMIS CODES

HEALTH: 0    FIRE: 0    REACTIVITY: 0    PROTECTION: A

#### 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.

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