

# MATERIAL SAFETY DATA SHEET

## MSDS

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Date-Issued: 07/31/1997

MSDS Ref. No: BBIO26226

Date-Revised: 08/01/1997

Revision No: New MSDS

### BioGuard DPD #1 Tablets

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BioGuard DPD #1 Tablets

GENERAL USE: Water Analysis

##### 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>
N,N diethyl-p-phenylenediamine sulfate	6283-63-2	1

##### COMMENTS:

All other ingredients are proprietary NJTSRN 80100291-5003p.

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#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

###### PHYSICAL APPEARANCE:

Small white tablet

###### 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.

###### SKIN ABSORPTION:

May be harmful if absorbed through skin.

###### INGESTION:

May be harmful if swallowed.

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**INHALATION:**

This product is not expected to present an inhalation hazard.

**CHRONIC:**

There are no known chronic hazards.

**ROUTES OF ENTRY:**

Skin Contact and Ingestion.

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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 if irritation persists.

**INGESTION:**

If swallowed: Drink large quantities of water, then induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**INHALATION:**

Not an expected route of overexposure.

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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:**

Sweep up, dissolve in water and flush down drain with excess water. Dispose of according to federal, state and local regulations.

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#### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:**

Avoid contact with eyes, skin or clothing.

**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

**EXPOSURE GUIDELINES:**

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

		EXPOSURE LIMITS				
		OSHA PEL ppm	OSHA PEL mg/m <sup>3</sup>	ACGIH TLV ppm	ACGIH TLV mg/m <sup>3</sup>	SUPPLIER OEL ppm
N,N diethyl-p-phenylenediamine sulfate	TWA	N/E <sup>[1]</sup>		N/E		

**OSHA TABLE COMMENTS:**

1. N/E = Not Established

**ENGINEERING CONTROLS:**

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

**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.

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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: Solid  
ODOR: Odorless  
APPEARANCE: Small Tablet  
COLOR: White  
pH: 6(1 tablet in 10 ml water)  
SOLUBILITY IN WATER: Soluble

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## 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:  
Moisture, extreme heat or cold.

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

ACUTE  
ORAL LD<sub>50</sub>: The oral rat LD<sub>50</sub> for N,N diethyl-p-phenylenediamine sulfate is 195 mg/kg.

SKIN EFFECTS:  
Harmful if absorbed through skin.

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#### 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

##### OSHA HAZARD COMM. RULE:

Product is 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:

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#### NFPA CODES

HEALTH: 1    FIRE: 0    REACTIVITY: 0

#### HMIS CODES

HEALTH: 1    FIRE: 0    REACTIVITY: 0    PROTECTION: B

#### 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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