

# Material Safety Data Sheet

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Data Information as Required by OSHA Regulations

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**Product:**

**BIO-DEX  
AQUA PURE ALGEACIDE  
Swimming Pool Water Treatment**



**BIO-DEX LABORATORIES  
4212 W. INNOVATIVE DR.  
PHOENIX, ARIZONA 85086**



# MATERIAL SAFETY DATA SHEET

## Product: AQUA PURE ALGEACIDE Swimming Pool Water Treatment

### Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:**  
Aqua Pure Algaecide  
EPA Registration NO. 35056-4

**General Use:**  
Swimming Pool Water Treatment

**NFPA 704m/HMLS RATING:**  
Health: 3  
Flammability: 0  
Reactivity: 0

**Company Identification:**  
Bio-Dex Laboratories  
4212 W. INNOVATIVE DR.  
Phoenix, AZ 85027  
(623) 582-2400 Fax: (623) 582-2405  
**Medical Emergency – 24 Hr:**  
(602) 253-3334  
Samaritan Regional Poison  
Center

**HAZARD RATING SCALE:**  
0: Insignificant  
1: Slight  
2: Moderate  
3: High  
4: Extreme

### Section 2. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Ingredients:</b>	
Copper Sulphate Pentahydate	28.029%
Quaternary Ammonium Compound	1.25%
Inert Ingredients	70.721%
Element Cooper	7.1%

### Section 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Blue liquid. Corrosive to the eyes, skin, gastronomic tract, and respiratory system.

**Primary Routes of Exposure:** Eye contact, skin contact, inhalation.

**Eye Contact:** Corrosive. Severe damage can result from direct contact.

**Skin Contact:** Causes corrosive burns. Corrosive. Severe irritation may result from prolonged contact. Seek medical advice if symptoms develop.

**Ingestion:** May be fatal. Burning pain in mouth, throat, abdomen, severe swelling of the larynx, skeletal muscle paralysis affecting the ability to breathe, circulatory shock, convulsions.

**Inhalation:**

Irritation of mucous membranes can be caused by vapor or mists of product.

#### **Section 4. FIRST AID MEASURES**

##### **Eye Contact:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call physician immediately. Remove and wash contaminated clothing before reuse.

**Skin or Clothing Contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

In case of contact, wash off affected area immediately with plenty of water for at least 15 minutes. If systems develop, seek medical advice.

##### **Ingestion:**

If swallowed drink promptly a large quantity of egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

##### **Note to Physician:**

Probably mucosal damage may contraindicate the use of gastric lavage.

Chemicals Listed as Carcinogens by:

OSHA:	NO
LARC Monograph	NO
National Toxicology Program	NO

#### **Section 5. FIRE FIGHTING MEASURES**

Flash Point: None.

Flash Point Method: Not applicable.

Autoignition Temperature: Not Available.

Flammable Limits in Air (%): Not Available

Extinguishing Media: Use DRY chemicals, CO<sub>2</sub>, alcohol foam or water spray.

Special Exposure Hazards: Not Available.

Hazardous Decomposition/Combustion Materials (under fire conditions): Not available.

Special Protective Equipment: Fire fighters should wear full protective clothing, including self-contained breathing equipment.

NFPA RATINGS FOR THIS PRODUCT ARE: Not Available.

HMIS RATINGS FOR THIS PRODUCT ARE: Not Available.

#### **Section 6. Accidental Release Measures**

##### **Spill and Leak Procedures:**

Remove ignition sources. Wear respirator. Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained; the material than moved into containers and deposited by approval methods for hazardous waste. Federal and local regulations are observed.

#### **Section 7. Handling and Storage**

Keep from freezing. Store in original the container in a safe place. Keep out of reach of children.

## **Section 8. Exposure Controls/ Personal Protection**

**Respiratory Protection:** None required if good ventilation is maintained. For mist or vapor wear NIOSH approved respirator.

**Protective Gloves:** Rubber or Neoprene.

**Eye Protection:** Splash proof safety goggles.

## **Section 9. Physical and Chemical Properties**

### **Fire and Explosion Data**

**Boiling Point:** ND

**Percent Volatile:** ND

**Solubility in Water:** Complete

**Appearance and Odor:** Blue in Color, slight almond odor

**Flash Point:** Greater than 120 degrees F.

**pH:** 7.5 – 8

**Evaporation Rate:** Butyl Acetate = 1: ND

**Auto Ignition:** ND

**Lower Explosion (%) :** ND

**Upper Explosion (%) :** ND

**Extinguishing Media:** Dry chemical, water, fog, CO<sub>2</sub>, foam.

**Special Fire Fighting Procedures:** Cool fire exposed containers. Must wear MSHA/NIOSH approved self contained breathing apparatus.

**Unusual Fire Explosion Hazards:** None.

## **10. STABILITY AND REACTIVITY**

**Stability:** Stable

**Incompatibility:** Strong oxidizers or reducing agents.

**Hazardous Polymerization:** Will not occur.

**Conditions to avoid:** Do not mix with strong oxidizers or reducing agents.

**Hazardous Decomposition Products:** ND

## **Section 11. Toxicological Information**

**Acute Oral:** LD 50 500 Mg/Kg for males or females

**Acute Thermal:** Greater than 2000 Mg/Kg

**Primary Skin:** Severe irritant – Corrosive

**Primary Eye:** Severe Irritant – Corrosive

## **Section 12. ECOLOGICAL INFORMATION**

No data available for this product.

## **Section 13. DISPOSAL CONSIDERATIONS**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray, or rinsate is a violation of Federal Regulations. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide Regulating Agency, Environmental Agency or Hazardous Waste Representative at the nearest EPA Regional office for guidance. Do not contaminate water, food or food

by storage or disposal. Do not reuse empty container. Rinse empty container thoroughly, securely wrap in several layers of newspaper and discard in trash.

#### **Section 14. TRANSPORTATION INFORMATION**

D.O.T. Proper Shipping Name: Disinfectant Liquid Corrosive (Quaternary Ammonium compound), 8, UN1903, PGII

<b><u>Inside Packages &gt;11lbs</u></b>	<b><u>Inside Packages&lt;11lbs</u></b>
<u>UN Number: UN 1903</u>	<u>None</u>
<u>Hazard Class: 8</u>	<u>ORM-D</u>
<u>Label(s): 8</u>	<u>None</u>
<u>Packing Group: II</u>	<u>None</u>
<u>Hazard Label(Subsidiary) None</u>	<u>None</u>
<u>Shipping Name: Disinfectant Liquid Corrosive</u>	<u>Consumer Commodity</u>

Revision: Supersedes all previous editions:

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