

53-113

# MATERIAL SAFETY DATA SHEET

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## Applied Biochemists Algaetrine

### 1. Product And Company Identification

<b>Supplier</b> Applied Biochemists 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States  Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959 Web Site: www.poolspacare.com	<b>Manufacturer</b> Advantis Technologies, Inc. 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States  Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959 Web Site: www.poolspacare.com
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<b>Supplier Emergency Contacts &amp; Phone Number</b> CHEMTREC - DAY OR NIGHT: (800) 424-9300	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> CHEMTREC - DAY OR NIGHT: (800) 424-9300
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Issue Date: 10/13/2003

Product Name: Applied Biochemists Algaetrine  
 Chemical Name: Copper and Nitrogen compounds  
 Chemical Family: Copper Alkanolamine Complex  
 Chemical Formula: Proprietary Mixture  
 MSDS Number: 112

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
COPPERCARBONATE	12069-69-1	
MONOETHANOLAMINE	141-43-5	
TRIETHANOLAMINE	102-71-6	

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

### 3. Hazards Identification

**Primary Routes(s) Of Entry**  
 Eye Contact, Skin Contact

**Eye Hazards**  
 Causes eye irritation.

**Skin Hazards**  
 Adverse effects are not expected from brief skin contact.

**Ingestion Hazards**  
 May cause burning of mouth, throat and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst, weakness, and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage. If ingested, get immediate medical attention

**Inhalation Hazards**  
 May cause coughing and discomfort to eyes nose and throat, and chest.

**Signs And Symptoms**  
 Contact with skin and eyes may be irritating.

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### First Aid (Pictograms)



### 4. First Aid Measures

#### Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

#### Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Thoroughly clean shoes before reuse. Wash clothing before reuse.

#### Ingestion

Give two glasses of water but do not induce vomiting. This material is corrosive. If vomiting occurs, give fluids again. Get medical attention immediately.

#### Inhalation

Do not give an unconscious person anything to drink. Get medical attention immediately. If breathing is difficult, give oxygen. If inhaled, remove to fresh air.

### Fire Fighting (Pictograms)



### 5. Fire Fighting Measures

Flash Point: n/a °F

#### Extinguishing Media

Use CO2 (Carbon Dioxide), dry chemical, or foam.

#### Fire Fighting Instructions

Avoid breathing vapors, gases and fumes. Firefighters should wear self-contained breathing apparatus and full protective gear. Water can be used to cool and protect exposed material.

### 6. Accidental Release Measures

Clean up spill immediately. Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Flood with water. Use appropriate containers to avoid environmental contamination.

### Handling & Storage (Pictograms)



### 7. Handling And Storage

#### Handling And Storage Precautions

Keep out of reach of children. Use only with adequate ventilation. Wash thoroughly after handling.

#### Handling Precautions

Avoid contact with eyes. Avoid contact with skin and clothing. Avoid contact with eyes. Avoid contact with skin and clothing. Avoid contact with strong acids and nitrates

#### Storage Precautions

Keep out of reach of children.

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## Applied Biochemists Algaetrine

### 7. Handling And Storage - Continued

#### Work/Hygienic Practices

Wash thoroughly with soap and water after handling. Use safe chemical handling procedures suitable for the hazards presented by this material.

### 8. Exposure Controls/Personal Protection

#### Engineering Controls

Local exhaust recommended.

#### Eye/Face Protection

Safety glasses with side shields or goggles.

#### Skin Protection

Chemical-resistant gloves.

#### Respiratory Protection

None normally required.

### 9. Physical And Chemical Properties

#### Appearance

Blue viscous liquid

#### Odor

Slight

**Chemical Type:** Mixture

**Physical State:** Liquid

**Melting Point:** N/A °F

**Boiling Point:** 212 °F

**Specific Gravity:** 1.0-1.2

**Percent Volitales:** NOT DETERMINED

**Vapor Pressure:** NOT DETERMINED

**Solubility:** Complete

**Evaporation Rate:** <1

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

#### Conditions To Avoid (Stability)

Excessive heat. Thermal decomposition may occur.

#### Incompatible Materials

Acids and Nitrites

#### Hazardous Decomposition Products

Oxides of Nitrogen and Carbon and Hydrogen Chloride

### 11. Toxicological Information

No Data Available...

### 12. Ecological Information

No Data Available...

### 13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

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## Applied Biochemists Algaetrine

### 14. Transport Information

**Proper Shipping Name**

NOT REGULATED

**Hazard Class**

NONE ASSIGNED

**DOT Identification Number**

NONE

**Additional Shipping Paper Description**

North American Emergency Response Guide No. 153

Not regulated by DOT for ground shipments [see exception for material corrosive to steel/aluminum 49CFR 173.154(d)].

### 15. Regulatory Information

No Data Available...

**NFPA**



**HMIS**

HEALTH	2
	1
REACTIVITY	1
PERSONAL PROTECTION	B

### 16. Other Information

**Revision/Preparer Information**

MSDS Preparer: JHW

This MSDS Superceeds A Previous MSDS Dated: 07/17/2000

### Disclaimer

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Applied Biochemists