



MATERIAL SAFETY DATA SHEET

Applied Biochemists Black Algaetrine

1. Product And Company Identification

Supplier 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	Manufacturer 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
Supplier Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300	Manufacturer Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300

Issue Date: 05/16/2001

Product Name: Applied Biochemists Black Algaetrine
CAS Number: Not Established
Chemical Family: Copper and Nitrogen Compounds
Chemical Formula: Proprietary Mixture
MSDS Number: 232

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
COPPER CARBONATE	12069-69-1	
DIMETHYL BENZYL AMMONIUM CHLORIDE	68424-85-1	
ETHYL ALCOHOL	64-17-5	
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).

Hazards Identification (Pictograms)



3. Hazards Identification

Primary Routes(s) Of Entry

Skin Contact, Eye Contact, Inhalation

Eye Hazards

Causes severe eye burns.

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3. Hazards Identification - Continued

Skin Hazards

Corrosive to living tissue.

Ingestion Hazards

Harmful if swallowed.

Inhalation Hazards

Causes respiratory tract irritation.

Signs And Symptoms

Irritation of Eyes, Skin, and Respiratory Passages

Conditions Aggravated By Exposure

None Known

First Aid (Pictograms)



4. First Aid Measures

Eye

Remove the victim from the source of contamination or exposure to nearest eyewash or other source of clean water. In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes.

Skin

Rinse the affected area with tepid water for at least 15 minutes.

Ingestion

Call a physician or a poison control center immediately. If victim is fully conscious, give one or two cups of water or milk to drink. If swallowed, do not induce vomiting unless directed to do so by medical personnel.

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Evaluate Principal Route of Entry, Seek appropriate medical attention. Never give anything by mouth to an unconscious person.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: N/A °F

Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire.
Combustion products are toxic.

6. Accidental Release Measures

Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Avoid release to the environment. May flush small amount to sewer.

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7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Wash thoroughly after handling.

Handling Precautions

Avoid contact with eyes. Wash hands before eating, drinking, or smoking. Avoid contact with skin and clothing.

Storage Precautions

Store in a cool dry place. Keep out of reach of children.

Work/Hygienic Practices

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

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Local exhaust acceptable. Special exhaust not required

Eye/Face Protection

Safety glasses with side shields or goggles recommended.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

General room ventilation is normally adequate.

Ingredient(s) - Exposure Limits

ETHYL ALCOHOL

ACGIH TLV-TWA 1000 ppm

OSHA PEL-TWA 1000 ppm

TRIETHANOLAMINE

ACGIH TLV-TWA 5 mg/m3

9. Physical And Chemical Properties

Appearance

Blue viscous liquid

Odor

slight

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: 212 °F

Specific Gravity: 1.2

Percent Volatiles: Nil

Vapor Pressure: Not established

Vapor Density: >1

pH Factor: 6-8

Solubility: soluble

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9. Physical And Chemical Properties - Continued

Odor - Continued

Evaporation Rate: <1

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Contact with Clay

Incompatible Materials

Strong Acids

Hazardous Decomposition Products

Hydrogen chloride fumes, oxides of Carbon and Nitrogen

11. Toxicological Information

No Data Available...

12. Ecological Information

No Data Available...

13. Disposal Considerations

Refer to applicable local, state and federal regulations as well as industry standards.

14. Transport Information

Proper Shipping Name

CORROSIVE LIQUID NOS(Copper Triethanolamine Complex)

Hazard Class

8,PGIII (<4L Consumer Commodity ORM-D)

DOT Identification Number

UN1760

15. Regulatory Information

Ingredient(s) - State Regulations

ETHYL ALCOHOL

New Jersey - Workplace Hazard

New Jersey - Special Hazard

Pennsylvania - Workplace Hazard

California - Proposition 65

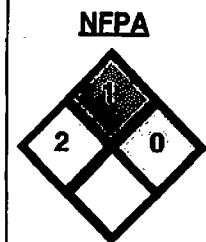
Massachusetts - Hazardous Substance

New York City - Hazardous Substance

TRIETHANOLAMINE

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance



HMIS

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	B

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW3

This MSDS Superceeds A Previous MSDS Dated: 04/18/2001

Disclaimer

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Applied Biochemists

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