

Material Safety Data Sheet

EMERGENCY

FOR CHEMICAL EMERGENCY: SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL
CHEMTREC - DAY or NIGHT - (800) 424-9300

Product Name:

AB CUTRINE PLUS GRANULAR

SECTION I - GENERAL INFORMATION

Manufacturer's Name: Applied Biochemists
A division of Advantis Technologies, Inc.
W175 N11163 Stonewood Dr., Suite 234
Germantown, WI 53022
(262) 255-4449

Chemical Name & Synonyms: Chelated Elemental Copper
Generic Description: Granular Copper Algaecide
Formula: Proprietary
D.O.T. Proper Shipping Name: Not Regulated
D.O.T. Hazard Class: Not Regulated
U.N. or N.A. Identification No.: None Assigned
Emergency Response Guide No.: None Assigned

Hazardous Mat'ls ID System Values (HMIS): Health - 1 Flammability - 0 Reactivity - 0 Personal Protection - B
Nat'l Fire Protection Assn. (NFPA 704M): Health - 1 Flammability - 1 Reactivity - 0 Specific Hazard - None

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Component(s)	CAS#	PEL	TLV
Copper Carbonate	12069-69-1	1 mg/m ³ *	1 mg/m ³ *
Monoethanolamine	141-43-53 ppm		3 ppm
Crystalline Silica	14808-60-7	0.1 mg/m ³	0.05 mg/m ³

*as copper dusts and mists (CAS# 7440-50-8)

Ingredients listed in this section have been determined to be hazardous as defined in 29CFR1910.1200. 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 as provided in 29CFR1910.1200 (i) (1).

SECTION III - PHYSICAL DATA

Boiling Point: Not determined Density: 1.2 – 1.3 @24 °C
Vapor Pressure: Not determined % Volatile (by volume): Not determined
Vapor Density (air = 1): Not determined Evaporation Rate: Not applicable
Melting Point: Not determined
Solubility in Water: Granules are insoluble. Chemical in granules is completely soluble.
Appearance & Odor: Blue/Green granules, slight amine odor.

SECTION IV - FIRE & EXPLOSION DATA

Flash Point: Not flammable Method: Not applicable
Extinguishing Media: Water fog, carbon dioxide, dry chemical, or foam
Special Fire Fighting Procedures: None
Unusual Fire & Explosion Hazards: Decomposition of wet chemical may cause auto-ignition above 150°F

SECTION V - REACTIVITY DATA

Stability - _____ Unstable _____ X Stable
Conditions to Avoid: Temperatures above 150°F, especially if the material is damp.
Incompatibility (Materials to Avoid): Strong acid and nitrites
Hazardous Decomposition Products: Oxides of nitrogen and carbon
Hazardous Polymerization: _____ Will Occur _____ X Will Not Occur
Conditions to Avoid: None

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SECTION VI - HEALTH HAZARD DATA

Acute Health Hazards: Can cause eye irritation.
Chronic Health Hazards: This product contains clay. IARC has classified crystalline silica (a component of clay) as a probable human carcinogen. Prolonged contact may cause liver damage, kidney damage, and/or chronic muscle damage.
Signs & Symptoms of Exposure: Contact with skin and eyes may be irritating. Inhaled dust may be irritating to mucous membranes.
Medical Conditions Generally Aggravated by Exposure: None known
Emergency & First Aid Procedures: See appropriate emergency procedures below for principle route of entry. Never give anything by mouth to an unconscious person.
Route of Entry: Inhalation: Remove to fresh air.
Eyes: Flush with large amounts of water for at least 15 minutes. Get immediate medical attention.
Skin: Flush with plenty of water for at least 15 minutes.
Ingestion: Seek medical attention immediately.

SECTION VII - SPILL OR LEAK PROCEDURES

Personal Precautions: Wear personal protective equipment appropriate for the situation.
Methods for Cleaning Up: Sweep up and place in a suitable container for disposal.
Waste Disposal Methods: Dispose of in accordance with methods approved by local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION AND CONTROL MEASURES

Respiratory Protection: Not normally required. If needed, use NIOSH approved respirator for dusts.
Ventilation: Not normally required
Gloves: Rubber or plastic
Eye Protection: Face shield or splash goggles
Other Protective Equipment: Eye wash and safety shower
Work or Hygienic Practices: Use safe chemical handling procedures suitable for the hazards presented by this material.

SECTION IX - SPECIAL PRECAUTIONS

Handling and Storage: Store in a cool, dry place. Do not get on skin, eyes, or clothing. Do not stack wet material.

Other: **KEEP OUT OF REACH OF CHILDREN**

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

Date of Last Revision: 09/05/04 by: JHW/NPB