

AQA 3  
GRANULAR

### 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  
W175 N11163 Stonewood Drive  
Suite 234  
Germantown, WI 53022-4799  
(800) 558-5106

Trade Name & Synonyms: **AB CUTRINE PLUS GRANULAR**  
Chemical Name & Synonyms: CHELATED ELEMENTAL COPPER  
Generic Description: GRANULAR COPPER - ALGICIDE

Formula: PROPRIETARY  
D.O.T. Proper Shipping Name: NOT REGULATED  
U.N. or N.A. Identification #: NOT REGULATED  
D.O.T. Hazard Class: NOT REGULATED  
D.O.T. Emergency Response Guide: NOT 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:

#### SECTION II - HAZARDOUS INGREDIENTS

Hazardous Component(s)	CAS#	PEL	TLV
Copper Carbonate	12069-69-1	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>
Monoethanolamine	141-43-5	3 ppm	3 ppm

Ingredients listed in this section have been determined to be hazardous as defined in 29 CFR 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 as provided in 29 CFR 1910.1200 (i) (1).

#### SECTION III - PHYSICAL DATA

Boiling Point (F): NOT DETERMINED Specific Gravity (water = 1): NOT DETERMINED  
Vapor Pressure (mm Hg): NIL % Volatile (by Volume): NIL  
Vapor Density (air = 1): NOT VOLATILE Evaporation Rate: (Ether = 1) NOT VOLATILE  
Melting Point (F): NOT DETERMINED  
Solubility in Water: GRANULES ARE INSOLUBLE.  
CHEMICAL ON GRANULES IS COMPLETELY SOLUBLE.  
Appearance & Odor: BLUE/GREEN GRANULES, SLIGHT AMINE ODOR.

#### SECTION IV - FIRE & EXPLOSION DATA

Flash Point (F): NOT FLAMMABLE Method: NOT APPLICABLE  
Extinguishing Media: WATER, 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 MATERIAL IS DAMP.  
Incompatibility (Materials to Avoid): STRONG ACIDS AND NITRITES.  
Hazardous Decomposition Products: OXIDES OF NITROGEN AND CARBON  
Hazardous Polymerization:        Will Occur   X   Will Not Occur  
Conditions to Avoid: NONE

**AB CUTRINE PLUS GRANULAR**
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**SECTION VI - HEALTH HAZARD DATA**  
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Acute Health Hazards: CAN CAUSE EYE IRRITATION.  
 Chronic Health Hazards: NONE KNOWN  
 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

Chemical Listed as Carcinogen or Potential Carcinogen by:

National Toxicology Program:	Yes:	No:	T
I.A.R.C. Monographs:	Yes:	No:	T
O.S.H.A.	Yes:	No:	T

Emergency & First Aid Procedures: FOR PRINCIPLE ROUTE OF ENTRY, SEE APPROPRIATE EMERGENCY PROCEDURES BELOW.  
 NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Route of Entry: Inhalation: REMOVE TO FRESH AIR.  
 Eyes: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.  
 GET MEDICAL ATTENTION.  
 Skin: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.  
 Ingestion: GET IMMEDIATE MEDICAL ATTENTION.

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**SECTION VII - SPILL OR LEAK PROCEDURES**  
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Steps to be Taken in Case Material is Released or Spilled:  
 SWEEP UP INTO APPROVED CONTAINER AND DISPOSE OF  
 ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.

Waste Disposal Methods: INCINERATE IN A FURNACE OR SANITARY LANDFILL. CONTACT  
 LOCAL AUTHORITIES FOR LOCAL REGULATION.

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**SECTION VIII - SPECIAL PROTECTION AND CONTROL MEASURES**  
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Respiratory Protection (Specify Type): SHOULD BE AVAILABLE IN DUSTY CONDITIONS.  
 Ventilation - Local Exhaust: MECHANICAL Special Exhaust::  
 Mechanical Exhaust: ACCEPTABLE Other Exhaust:  
 Protective Equipment - Gloves: RUBBER OR PLASTIC Eye Protection: 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.

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**SECTION IX - SPECIAL PRECAUTIONS**  
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Precautions to be Taken in Handling and Storage: STORE IN A COOL DRY PLACE. AVOID GETTING ON  
 SKIN OR IN EYES. DO NOT STACK WET MATERIAL.

Other Precautions: KEEP OUT OF REACH OF CHILDREN

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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.

DJK

Date of Last Revision: 5/29/98