

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 STOCKTRINE II

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 STOCKTRINE II

Chemical Name & Synonyms:

CHELATED ELEMENTAL COPPER

Generic Description:

COPPER - ALGICIDE

Formula:

PROPRIETARY

D.O.T. Proper Shipping Name:

CORROSIVE LIQUID NOS (Copper Triethanolamine Complexes)

D.O.T. Hazard Class:

EIGHT

U.N. or N.A. Identification #:

UN 1760, PG III

D.O.T. Emergency Response Guide (1996 ed.):

154

Hazardous Mat'ls ID System Values (HMIS): Health -2 Flammability -0 Reactivity -1 Personal Protection -D

Nat'l Fire Protection Assn. (NFPA 704M): Health -1 Flammability -0 Reactivity -1 Specific Hazard:

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Component(s)	CAS#	PEL	TLV
Copper Carbonate	12069-69-1	1 mg/m ³	1 mg/m ³
Monoethanolamine	141-43-5	3 ppm	3 ppm
Triethanolamine	102-71-6	NOT ESTABLISHED	NOT ESTABLISHED

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):	212°F	Specific Gravity (water = 1):	1.1 - 1.3
Vapor Pressure (mm Hg):	NOT DETERMINED	% Volatile (by Volume):	NIL
Vapor Density (air = 1):	> 1	Evaporation Rate:(<u>Ether = 1</u>)	< 1
Melting Point (F):	NOT APPLICABLE	pH:	10.0-11.0
Solubility in Water:	COMPLETE		
Appearance & Odor:	BLUE VISCOUS LIQUID. SLIGHT ODOR.		

SECTION IV - FIRE & EXPLOSION DATA

Flash Point :	NOT FLAMMABLE	Method:	
Extinguishing Media:	CO ₂ , WATER OR DRY CHEMICAL.		
Special Fire Fighting Procedures:	COOL AREA TO PREVENT PRODUCT CONTAINERS FROM BURSTING OR MELTING.		
Unusual Fire & Explosion Hazards:	ALWAYS WEAR SELF-CONTAINED BREATHING APPARATUS.		

SECTION V - REACTIVITY DATA

Stability -	<u> </u> Unstable	<u> X </u> Stable
Conditions to Avoid:	THERMAL DECOMPOSITION MAY CAUSE OXIDES OF CARBON/NITROGEN.	
Incompatibility (Materials to Avoid):	STRONG ACIDS AND NITRITES.	
Hazardous Decomposition Products:		
Hazardous Polymerization:	<u> </u> Will Occur	<u> X </u> Will Not Occur
Conditions to Avoid:	CONTACT WITH STRONG ACIDS AND NITRITES.	

AB STOCKTRINE II
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SECTION VI - HEALTH HAZARD DATA
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Acute Health Hazards: LD_{50(RAT)} = 1930mg/Kg: CORROSIVE TO SKIN
 Chronic Health Hazards: NONE KNOWN
 Signs & Symptoms of Exposure: CONTACT WITH SKIN AND EYES MAY BE IRRITATING. VAPORS OR MISTS MAY CAUSE IRRITATION WITH PAIN, COUGHING AND DISCOMFORT TO EYES, NOSE, THROAT AND CHEST.

Medical Conditions Generally Aggravated by Exposure: MAY CAUSE SKIN SENSITIZATION.

Chemical Listed as Carcinogen or Potential Carcinogen by:

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

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.
WASH CLOTHES THOROUGHLY BEFORE REUSE.
 Ingestion: SEEK MEDICAL ATTENTION IMMEDIATELY.

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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: DAM AREA TO CONTAIN SPILL. SOAK UP WITH GROUND CORN COB. AVOID RINSING INTO SEWERS.
 Waste Disposal Methods: DISPOSE OF BY INCINERATION IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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SECTION VIII - SPECIAL PROTECTION AND CONTROL MEASURES
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Respiratory Protection (Specify Type): NOT REQUIRED

Ventilation - Local Exhaust:	YES	Special Exhaust::
Mechanical Exhaust:	YES	Other Exhaust:

Protective Equipment - Gloves: RUBBER Eye Protection: GOGGLES
 Other Protective Equipment: NONE
 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.

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: 5/29/99