



MATERIAL SAFETY DATA SHEET

This PolyScience product has been diluted with four parts of water to one part of concentrated "Lab Algicide." With the exception of the D.O.T. shipping information which is applicable for the container size of diluted Lab Algicide, the following data pertains only to the hazards of the concentrated form of "Lab Algicide".

Product Name: LAB ALGICIDE, 8 oz.
Product Numbers: 4-300040 and 4-300041

SECTION I. - GENERAL INFORMATION

Supplier's Name: PolyScience
6600 W. Touhy Ave
Niles, IL, 60714
(847-647-0611)

Trade Name & Synonyms: Clear Bath Algicide
Chemical Name & Synonyms: Copper Alkanolamine Complex
Generic Description: Copper & Nitrogen Compounds
CAS #: None
Formula: Formulation
D.O.T. Proper Shipping Name: Consumer Commodity
D.O.T. Hazard Class: ORM-D: Other Regulated Material

Hazardous Mat'l's ID System Values (HMIS) Health-2 Flammability-0 Reactivity-1 Personal Protection-B
Nat'l Fire Protection Assn. (NFPA 704M) Health-2 Flammability-1 Reactivity-0 Specific Hazard:
NONE

SECTION II. - HAZARDOUS INGREDIENTS

Hazardous Component(s)	CAS#	PEL	TLV
Copper Carbonate	12069-68-1	1mg/m ³	1mg/m ³
Monoethanolamine	141-43-5	3ppm	3ppm
Triethanolamine	102-71-6	Not Established	Not Established
n-Alkyl (50% C14, 40% C12, 10% C13) dimethyl benzyl ammonium chloride	31075-24-8	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: 212°F
Vapor Pressure: NOT DETERMINED
Vapor Density (air=1): >1
Melting Point: NOT DETERMINED
Solubility in Water: COMPLETE
Appearance & Odor: BLUE VISCOUS LIQUID. SLIGHT ODOR

Specific Gravity (Water = 1): 1.200 @ 27°C
% Volatile (by Volume): Nil
Evaporation Rate (Water=1): <1
pH: 6-8

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point: NON FLAMMABLE Method: Not Applicable
Extinguishing Media: CO₂, H₂O, OR DRY CHEMICAL. POLYMER FOAM FOR LARGE FIRES.
Special Fire Fighting Procedures: MUST WEAR MSHA/NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire & Explosion Hazards: COMBUSTION PRODUCTS ARE TOXIC.

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110-019

LAB Algicide MSDS

Post-It® Fax Note	7671	Date	9-25	# of pages	2
To	Sarah Vandergriff		From	Sue Gibbons	
Co./Dept.			Co.	PolyScience	
Phone #	901-475-3374		Phone #	800-229-7569	

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SECTION V - REACTIVITY DATA

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

SECTION V - HEALTH HAZARD DATA

Acute Health Hazards: CORROSIVE TO SKIN AND EYES.
 Chronic Health Hazards: UNKNOWN.
 Signs & Symptoms of Exposure: IRRITATION TO SKIN AND EYES. VAPORS OR MIST MAY CAUSE IRRITATION WITH PAIN, COUGHING AND DISCOMFORT.

Medical Conditions Generally

Aggravated by Exposure: NOT KNOWN

Chemical Listed as Carcinogen or Potential Carcinogen by:

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

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 LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

Skin:

FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

Ingestion:

GET IMMEDIATE MEDICAL ATTENTION.

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

FLUSH HEAVILY WITH WATER AFTER PICKING UP ALL POSSIBLE SPILLAGE.
 DO NOT ALLOW MATERIAL INTO SANITARY SEWERS.

Waste Disposal Methods:

INCINERATE IN A FURNACE OR FLUSH SMALL AMOUNT INTO SEWER SYSTEM.
 MORE THAN FIVE GALLONS, CONTACT LOCAL AUTHORITIES FOR DIRECTIONS.

SECTION VIII - SPECIAL PROTECTION AND CONTROL MEASURES

Respiratory Protection (Specify Type): NOT REQUIRED.

Ventilation -

Local Exhaust:

MECHANICAL

Special Exhaust:

NOT REQUIRED

Mechanical Exhaust:

ACCEPTABLE

Other Exhaust:

NOT

REQUIRED

Protective Equipment:

Gloves: RUBBER OR PLASTIC

Eye Protection:

GOGGLES

Other Protective Equipment:

SAFETY SHOWER AND EYEWASH.

Work or Hygienic Practices:

USE SAFE CHEMICAL HANDLING PROCEDURES SUITABLE FOR THE
 HAZARDS PRESENTED BY THIS MATERIAL.

SECTION IX - SPECIAL INSTRUCTIONS

Precautions to be taken in Handling and Storage:

MAY CAUSE SKIN DAMAGE. DO NOT GET ON SKIN, EYES OR
 CLOTHING. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:

NONE

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESS 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.