

C-P# 08796-00

**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'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**

<u>Hazardous Component(s)</u>	<u>CAS#</u>	<u>PEL</u>	<u>TLV</u>
Copper Carbonate	12069-69-1	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>
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	Specific Gravity (Water = 1):	1.200 @ 27° C
Vapor Pressure:	NOT DETERMINED.	% Volatile (by Volume):	Nil.
Vapor Density (air=1):	>1	Evaporation Rate (Water=1):	<1
Melting Point:	NOT DETERMINED.	pH:	6-8
Solubility in Water:	COMPLETE.		
Appearance & Odor:	BLUE VISCOUS LIQUID. SLIGHT ODOR		

**SECTION IV - FIRE AND EXPLOSION DATA**

Flash Point: NON FLAMMABLE Method: Not Applicable.  
 Extinguishing Media: CO<sub>2</sub>, H<sub>2</sub>O, 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.

**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.

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## **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.

Date of Last Revision: August 2000

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