



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. CC 475
Effective Date September 25, 1998

SECTION V HEALTH HAZARD DATA

CC 475

Threshold Limited Value ACGIH 1996 as Cu fume and respirable dust is 0.05mg/m³.
Copper (fume) TLV: 0.2 mg/m³. Copper (dust and mist) TLV: 1mg/m³.

Effects of Overexposure **INGESTION:** Can cause copper poisoning and/or death. **SYMPTOMS:** Nausea, vomiting, diarrhea, and gastric pain. **EYES:** Corrosive; causes conjunctivitis. **SKIN:** May cause allergic skin reaction. **INHALATION:** Causes upper respiratory irritation and congestion of the nasal mucous membranes.

Emergency and First Aid Procedures **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call a physician. Never give anything by mouth to an unconscious person. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. If illness or discomfort develops, get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizers, Nitric acid.

Hazardous Decomposition Products If dry heated may produce acetic acid fumes. Combustion will produce carbon dioxide and probably carbon monoxide.

Hazardous Polymerization	Conditions to Avoid	
	May Occur	Will Not Occur
		X

Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Wear suitable protective clothing. Sweep up and place in a suitable container for proper disposal. Avoid contaminating public water supply.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Dispose of in an approved chemical landfill or contact a licensed chemical waste disposal agency.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be needed in normal laboratory handling. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment Safety glasses, smock, apron, ventilation hood, proper gloves, and eye wash station.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool place. Wash thoroughly after handling.
Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.
Avoid contact with skin or eyes. Use with adequate ventilation. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 5	Date 9/25/98	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	CUPRIC ACETATE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS *
Chemical Synonyms	Copper (II) Acetate 1-Hydrate	
Formula	Cu(O ₂ CCH ₃) ₂ ·H ₂ O	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	6046-93-1 (Monohydrate)	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Cupric Acetate, Monohydrate	91-100%	See Section V.
CAUTION! HARMFUL IF INHALED OR SWALLOWED.		
DUST IRRITATING TO EYES AND RESPIRATORY		
TRACT. CAUSES SKIN AND EYE IRRITATION.		

SECTION III PHYSICAL DATA

Melting Point (°F)	115°C (239°F)	Specific Gravity (H ₂ O = 1)	1.882 at 20°C
Boiling Point (°F)	Decomposes at 240°C (464°F)	Percent Volatile by Volume (%)	Negligible as solid.
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	Not applicable.
Vapor Density (Air=1)	Unknown.		
Solubility in Water	Soluble 7.2-20 g/100 g H ₂ O.		
Appearance & Odor	Blue-green crystals; no odor or slight acetous odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-volatile solid (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media Use any media suitable for extinguishing supporting fire.

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing. Avoid flushing to sewer or stream if possible. Toxic to aquatic life.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20