



**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/m<sup>3</sup>.  
Copper (fume) TLV: 0.2 mg/m<sup>3</sup>. Copper (dust and mist) TLV: 1mg/m<sup>3</sup>.

**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

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature and heat.
	<b>Stable</b>	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.

<b>Hazardous Polymerization</b>		<b>Conditions to Avoid</b>	Not applicable.
<b>May Occur</b>	<b>Will Not Occur</b>		
	X		

## 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.

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	<b>No.</b>
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	<b>No.</b>

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

<b>Revision</b> No. 5	<b>Date</b> 9/25/98	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	CUPRIC ACETATE
<b>Chemical Synonyms</b>	Copper (II) Acetate 1-Hydrate
<b>Formula</b>	Cu(O <sub>2</sub> CCH <sub>3</sub> ) <sub>2</sub> •H <sub>2</sub> O
<b>Unit Size</b>	up to 2.5 Kg.
<b>C.A.S. No.</b>	6046-93-1 (Monohydrate)

CHEMTREC  
800-424-9300  
Day 716-226-6177

Health	2
Fire	0
Reactivity	1

NFPA HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

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

## SECTION III PHYSICAL DATA

Melting Point (°F)	115°C (239°F)	Specific Gravity (H <sub>2</sub> 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 ( )	Not applicable.
Vapor Density (Air=1)	Unknown.		
Solubility in Water	Soluble 7.2-20 g/100 g H <sub>2</sub> O.		
Appearance & Odor	Blue-green crystals; no odor or slight acetous odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-volatile solid (NA).	<b>Flammable Limits in Air % by Volume</b>	NA	Lower	Upper
<b>Extinguisher Media</b>	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