

24 HR. EMERGENCY PHONE NUMBER CHEM-TREC 1-800-424-9300

## MATERIAL SAFETY DATA SHEET

Manufacturer: ProChem, Inc.  
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**SECTION 1 Product Identification**


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**CHEMICAL NAME:** COPPER (II) OXALATE, Hemihydrate

**CAS REGISTRY NUMBER:** 814-91-5

**FORMULA:**  $\text{CuC}_2\text{O}_4 \cdot 1/2\text{H}_2\text{O}$

**CHEMICAL FAMILY:** salt of organic acid

**SYNONYM:** Copper oxalate, Oxalic acid, copper salt

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**SECTION 2 Composition and Information on Ingredients**


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INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	814-91-5	100	No data	No data

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**SECTION 3 Hazards Identification**


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**EMERGENCY OVERVIEW:** Oxalates that have some water solubility may be toxic. They precipitate calcium from the bloodstream causing violent muscular stimulation, convulsions, collapse and death.

**PRIMARY ROUTES OF EXPOSURE:** Ingestion, Inhalation of dust.

**EYE CONTACT:** Dust may cause severe irritation of the eyes.

**SKIN CONTACT:** May cause moderate to severe irritation of the skin.

**INHALATION:** Dust may be severely irritating to nose, mucous membranes and respiratory tract.

**INGESTION:** Ingestion may cause vomiting, pain, violent muscular stimulation convulsion, collapse and death.

**ACUTE HEALTH EFFECTS:** Large amounts of copper salts are toxic when ingested.

**CHRONIC HEALTH EFFECTS:** Chronic exposure to oxalates can lead to kidney failure resulting from calcium oxalate precipitation in renal tubes. copper compounds may cause liver and kidney disease.

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**SECTION 4 First Aid Measures**


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**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water (lukewarm if possible) for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate medical attention.

**SKIN EXPOSURE:** Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation or redness persists.

**INHALATION:** Remove victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Seek medical assistance immediately. Keep the victim calm.