



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Copper (II) Acetate Hydrate**
 PRODUCT NUMBER: 1534-4
 CAS NUMBER: 66923-66-8
 SYNONYMS: Cupric acetate hydrate, Acetic acid, Copper (II) salt hydrate
 MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Warning

Hazard Statements

H302	Harmful if swallowed.
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Phrases

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash face, hands, and any exposed skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P332 + P313	IF skin irritation occurs: Get medical advice / attention
P337 + P313	IF eye irritation persists. Get medical advice / attention.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

P304+P340+P310

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CETNER/doctor.

HMIS CLASSIFICATION:

Health: 2

Fire: 1

Reactivity Hazard: 1

NFPA RATING:

Health: 2.

Flammability: 1

Reactivity Hazard: 1

EYE CONTACT: May cause slight to mild irritation of the eyes.

SKIN CONTACT: May cause sever skin irritation / burn.

INHALATION: Inhalation of dust can lead to irritation / sever respiratory tract inflammation.

INGESTION: Harmful if swallowed. Ingestion of copper compounds may lead to vomiting, exhaustion, anemia, convulsions, and coma.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $\text{Cu}(\text{OOCCH}_3) \cdot \text{XH}_2\text{O}$

Molecular Weight: 181.63 (anhy.)

CHEMICAL NAME	CAS#	%
Copper (II) Acetate Hydrate	66923-66-8	98

SECTION 4 FIRST AID MEASURES

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

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

INHALATION: Remove to fresh air and keep at rest. 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. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not available

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not available

EXTINGUISHING MEDIUM: Carbon dioxide, foam, or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Carbon oxides and copper oxides

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid the formation of dust. Avoid breathing vapors, mist, gas, or dust.

ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing to be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Mix spills with vermiculite, sodium carbonate, or other suitable non-combustible absorbent. Sweep up and place in suitable container for proper disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Use with adequate ventilation. Avoid contact with skin and eyes. Avoid formation of dust.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS:

Component	Exposure Limits	Basis	Entity
Copper (II) Acetate	1 mg/m ³	TWA	ACGIH
	1 mg/m ³	TWA	NIOSH

EYE PROTECTION: Wear chemical safety glasses or goggles and face shield.

SKIN PROTECTION: Wear nitrile or rubber gloves, apron, or lab coat.

VENTILATION: Provide local exhaust, preferably mechanical.

RESPIRATOR: Use an approved respirator.

ADDITIONAL PROTECTION: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Green to blue solid

ODOR: Odorless

MOLECULAR WEIGHT: 181.63 (anhy.)

BOILING POINT: 240° C

MELTING POINT: 115° C

SPECIFIC GRAVITY: 1.882

SOLUBILITY IN WATER: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

INCOMPATIBILITY: Oxidizing agents

DECOMPOSITION PRODUCTS: Carbon oxides and copper oxides

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Oral – rat – 710 mg/kg. LD50 Oral – 500.1 mg/kg

CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is identified a carcinogen.

MUTAGENIC EFFECTS: Not available

TETRATOGENIC EFFECTS: Not available

RTECS: Not available

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

Toxicity to fish flow-through test LC50 - Pimephales promelas (fathead minnow) -0.39 mg/l - 96 h (US-EPA).

Freshwater Fish: Pimephales promelas: LC50=0.14mg/L 96h

Danger to drinking water if even extremely small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. May cause long lasting harmful effects to aquatic life. Very toxic to aquatic organisms.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

DOT: UN3077	IATA: UN3077
Environmentally hazardous substances, solid, n.o.s.	Environmentally hazardous substance, solid, n.o.s.
(Copper (II) acetate)	(Copper (II) acetate)
Class 9	Class 9
PG III	PG III

SECTION 15 REGULATORY INFORMATION

TSCA: Not listed in the TSCA inventory.

SARA 302/304: Not listed

SARA (TITLE 313): Copper (II) Acetate Hydrate

MASSACHUSETTS – RIGHT TO KNOW: Copper (II) Acetate Hydrate

PENNSYLVANIA – RIGHT OT KNOW: Copper (II) Acetate Hydrate

CALIFORNIA PROP. 65: Not Listed

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREVIOUSLY REVISED: 02/24

DATE REVISED 08/26

REVISION SUMMARY: Removed fax number. Updated sections #2 and 15. All other details in this document about this product remained unchanged: Revised by EHS 8/11/26.
EHS/SDS DEPT.