

## CUPRIC ACETATE, (MONO) EXTRA PURE

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** Cupric Acetate, (mono) Extra Pure

**Product Code:** 314

**CAS#:** 6046-93-1

**Chemical Formula:**  $C_4H_6CuO_4 \cdot H_2O$

**Molecular Weight:** 199.64

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Composition:**

**Synonyms:** Cupric Acetate

**Formula:**  $C_4H_6CuO_4 \cdot H_2O$

**Molecular Weight:** 199.64

### SECTION 3: HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

**Classification according to Regulation (EC) No 1272/2008:** Acute toxicity, Oral (Category 4), H302

Skin corrosion (Sub-category 1B), H314

Serious eye damage (Category 1), H318

Short-term (acute) aquatic hazard (Category 1), H400

Long-term (chronic) aquatic hazard (Category 2), H411

**Other hazards:** This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher

### SECTION 4: FIRST AID MEASURES

**Description of first-aid measures:**

**If inhaled:** After inhalation: fresh air.

**In case of skin contact:** In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower.

**In case of eye contact:** After eye contact: rinse out with plenty of water. Remove contact lenses.

**If swallowed:** After swallowing: make victim drink water. Consult doctor if feeling unwell.

**Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labeling and/or in section

**Indication of any immediate medical attention and special treatment needed:** Not available

### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing media:**

**Suitable extinguishing media:** Water Foam Carbon dioxide ( $CO_2$ ) Dry powder

**Unsuitable extinguishing media:** For this substance/mixture no limitations of extinguishing agents are given.

**Special hazards arising from the substance or mixture:** Carbon oxides, Combustible. Development of hazardous combustion gases or vapors possible in the event of fire.

**Advice for firefighters:** In the event of fire, wear self-contained breathing apparatus.

**Further information:** Prevent fire extinguishing water from contaminating surface water or the ground water system



**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, and consult an expert.

**Environmental precautions:** Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

**SECTION 7: HANDLING AND STORAGE**

**Precautions:** Keep away from heat. Keep away from sources of ignition.

**Storage:** Store in cool, dry place in closed containers

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure controls:**

**Eye/face protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (Without touching glove's outer surface) to avoid skin contact with this product.

**Respiratory protection:** Respiratory protection is not required. If protection from nuisance levels of dusts are desired, use type N95 or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical state and appearance	:	Blue to greenish color powder
Odor	:	Not available
Color	:	Not available
Molecular Weight	:	Not available
pH	:	Not available
Boiling Point	:	Not available
Melting Point	:	Not available
Critical Temperature	:	Not available
Specific Gravity	:	Not available
Vapor Pressure	:	Not available
Vapor Density	:	Not available
Volatility	:	Not available
Odor Threshold	:	Not available
Water/Oil Dist. Coeff.	:	Not available
Iconicity (in Water)	:	Not available
Dispersion Properties	:	Not available
Solubility	:	Not available

**SECTION 10: STABILITY AND REACTIVITY DATA**

**Stability:** Stable under recommended storage conditions

**Instability Temperature:** Not available

**Conditions of Instability:** Excess heat

**Incompatibility with various substances:** Strong oxidizing agents

**Special Remarks on Reactivity:** Not available



## SECTION 11: TOXICOLOGICAL INFORMATION

**Acute toxicity:** LD50 Oral - Rat - female - > 300 - 2.000 mg/kg (OECD Test Guideline 420) Symptoms: Nausea, Vomiting  
Symptoms: Possible damages: mucosal irritations LD50 Dermal - Rat - male and female - > 2.000 mg/kg  
**Skin corrosion/irritation:** Not available  
**Serious eye damage/eye irritation:** Not available  
**Respiratory or skin sensitization:** Not available  
**Carcinogenicity:** Not available  
**Reproductive toxicity:** Not available  
**Specific target organ toxicity - single exposure:** Not available  
**Aspiration hazard:** Not available

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** Toxicity to fish flow-through test LC50 - Pimephales promelas (fathead minnow) - 0,39 mg/l - 96 h  
**Persistence and degradability:** The methods for determining the biological degradability are not applicable to inorganic substances  
**Results of PBT and vPvB assessment:** This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher  
**Bio accumulative potential:** Not available  
**Mobility in soil:** Not available

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## SECTION 14: TRANSPORT INFORMATION

<b>UN number:</b>		
<b>ADR/RID:</b> 1759	<b>IMDG:</b> 1759	<b>IATA:</b> 1759
<b>UN proper shipping name</b>		
<b>ADR/RID:</b> Corrosive solid, n.o.s. (Copper di(acetate))		
<b>IMDG:</b> Corrosive solid, n.o.s. (Copper di(acetate))		
<b>IATA:</b> Corrosive solid, n.o.s. (Copper di(acetate))		
<b>Transport hazard class (es):</b>		
<b>ADR/RID:</b> 8	<b>IMDG:</b> 8	<b>IATA:</b> 8
<b>Packaging group:</b>		
<b>ADR/RID:</b> II	<b>IMDG:</b> II	<b>IATA:</b> II
<b>Environmental hazards:</b>		
<b>ADR/RID:</b> yes	<b>IMDG:</b> yes	<b>IATA:</b> yes

## SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:** This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Other regulations:** Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable

**SECTION 16: OTHER INFORMATION****References: Full text of H-Statements:**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life

H410 Harmful if swallowed.

H411 Causes severe skin burns and eye damage.

**Other Special Considerations:** Not available

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