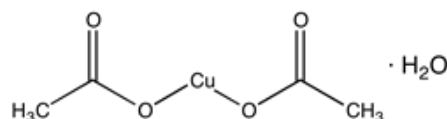


**Copper(II) acetate monohydrate, for analysis, ExpertQ®, ACS, Reag. Ph Eur**
**Identification**

$\text{Cu}(\text{CH}_3\text{COO})_2 \cdot \text{H}_2\text{O}$   
 M = 199,65 g/mol  
 CAS [6046-93-1]  
 EC number: 205-553-3  
 Taric code: 2915 29 00


**Synonyms**

Cupric acetate

**Applications**

analytical chemistry, pigment (in porcelain industry), fungicide, spraying reagent in thin layer chromatography.

**Specifications**

assay (iodometric).....	99 - 102 %	iron (Fe).....	max. 0,002 %
insoluble in diluted CH <sub>3</sub> COOH.....	max. 0,01 %	lead (Pb).....	max. 0,004 %
chlorides (Cl).....	max. 0,001 %	magnesium (Mg).....	max. 0,001 %
sulfates (SO <sub>4</sub> ).....	max. 0,005 %	nickel (Ni).....	max. 0,002 %
total nitrogen (as N).....	max. 0,01 %	potassium (K).....	max. 0,01 %
calcium (Ca).....	max. 0,005 %	sodium (Na).....	max. 0,01 %
		zinc (Zn).....	max. 0,002 %

**Physical data**

- Appearance: crystals, turquoise
- Spec. Density: 1,88 g/cm<sup>3</sup>
- Bulk density: ~ 1100 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 72 g/l
- Melting point: 115 °C
- Boiling point: 240 °C (decomposes)
- pH(50 g/l H<sub>2</sub>O, 20 °C) ~ 5,5

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H302: Harmful if swallowed.  
 H314: Causes severe skin burns and eye damage.  
 H400: Very toxic to aquatic life.


**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.  
 P303+P361+P353: IF ON SKIN (or hair): Remove / 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.  
 P310: Immediately call a POISON CENTER or doctor / physician.  
 P405: Store locked up.  
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 8 CT2 II • UN 2923 • CORROSIVE SOLID, TOXIC, N.O.S. (Copper(II) acetate monohydrate)
- IMDG: 8 II • UN 2923 • CORROSIVE SOLID, TOXIC, N.O.S. (Copper(II) acetate monohydrate)
- IATA/ICAO: 8 II • UN 2923 • CORROSIVE SOLID, TOXIC, N.O.S. (Copper(II) acetate monohydrate)
- PAX: 814
- CAO: 816
- 10°C - 30°C