

**Copper(I) chloride, for analysis, ExpertQ®, ACS****Identification**

CuCl  
M = 98,99 g/mol  
CAS [7758-89-6]  
EC number: 231-842-9  
Taric code: 2827 39 80

**Synonyms**

Copper monochloride

**Applications**

analytical chemistry, for the detection of: arsenic and antimony hydrides, for the absorption of carbon monoxide, laboratory reagent.

**Specifications**

assay (iodometric).....	min. 97 %	iron (Fe).....	max. 0,005 %
insoluble in HCl - HNO <sub>3</sub> .....	max. 0,02 %	lead (Pb).....	max. 0,02 %
sulfates (SO <sub>4</sub> ).....	max. 0,05 %	potassium (K).....	max. 0,02 %
arsenic (As).....	max. 0,0001 %	sodium (Na).....	max. 0,05 %
calcium (Ca).....	max. 0,01 %	non precipitable with H <sub>2</sub> S (as SO <sub>4</sub> ).....	max. 0,2 %

**Physical data**

- Spec. Density: 3,53 g/cm<sup>3</sup>
- Bulk density: ~ 1600 - 1800 kg/m<sup>3</sup>
- Solub. in water: (25 °C): 0,06 g/l
- Melting point: 422 °C
- Boiling point: 1366 °C
- pH(50 g/l H<sub>2</sub>O, 20 °C) ~ 5

**Safety - GHS**

**Signal Word:** Warning

**Hazard Statements:**

- H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
H302: Harmful if swallowed.

**Precautionary Statements:**

- P273: Avoid release to the environment.  
P264: Wash thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330: Rinse mouth.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 8 C2 III • UN 2802 • COPPER CHLORIDE
- IMDG: 8 III • UN 2802 • COPPER CHLORIDE
- IATA/ICAO: 8 III • UN 2802 • COPPER CHLORIDE
- PAX: 822
- CAO: 823
- 15°C - 25°C