

## Identification

$\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$

M = 170,48 g/mol

CAS [10125-13-0]

EC number: 231-210-2

Taric code: 2827 39 80

## Synonyms

Copper dichloride dihydrate

## Applications

catalyst, invisible ink, analytical chemistry.

## Specifications

assay (iodometric).....	min. 99,0 %	arsenic (As).....	max. 1 ppm
identity (IR-spectrum).....	passes test	calcium (Ca).....	max. 0,005 %
insoluble matter.....	max. 0,01 %	iron (Fe).....	max. 0,003 %
pH (5 %, H <sub>2</sub> O).....	3,0 - 3,8	lead (Pb).....	max. 0,004 %
nitrates (NO <sub>3</sub> ).....	max. 0,015 %	nickel (Ni).....	max. 0,001 %
sulfates (SO <sub>4</sub> ).....	max. 0,005 %	potassium (K).....	max. 0,01 %
		sodium (Na).....	max. 0,02 %

## Physical data

- Appearance: elongate humid crystals, blue or turquoise
- Spec. Density: 2,54 g/cm<sup>3</sup>
- Bulk density: ~ 950 kg/m<sup>3</sup>
- Solub. in water: (20 °C): soluble
- Melting point: ~ 100 °C
- pH(50 g/l H<sub>2</sub>O, 20 °C) 3,0 - 3,8
- Hygroscopic

## Safety - GHS

Signal Word: Warning

### Hazard Statements:

- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H302+H312: Harmful if swallowed or in contact with skin.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H335: May cause respiratory irritation.



### Precautionary Statements:

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321: Specific treatment (see on this label).
- P405: Store locked up.
- 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
- 10°C - 30°C