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# Technical information

# COPPER OXYCHLORIDE (COC) – technical

Chemical name (IUPAC nomenclature): Dicopper chloride trihydroxide
Chemical formula: $CuCl_2 \cdot 3Cu(OH)_2$
EC No.: 215-572-9
CAS No.: 1332-65-6
REACH No.: 02-2119698277-20-0000

## Type

Copper oxychloride is an active substance (AS) registered in accordance with Regulation (ES) No. 1107/2009 for use in plant protection products and is included in Annex I of Council directive 91/414/EEC. With an inclusion – approval in Annex I copper oxychloride can be used for registration of plant protection products in all member states of the Europe union.

## Use

Active substance copper oxychloride in plant protection products is used as fungicide and bactericide.

## Technical data

| Property | Value | Reference/Method of determination/Estimated |
|---|---|---|
| **Appearance** | Fine powder | GIFAP/FAO code |
| **Colour, Odour** | Green, odourless | Estimated |
| **Solubility in water** | < 10 µg / L Cu | EEC A.6 |
| **Copper (Cu) pure** | Od 57 do 58.5 % | CIPAC – volumetric thiosulphate method |
| **pH (1 % aqueous dispersions, 20°C)** | Od 5.0 do 7.5 | CIPAC MT 75 |
| **Maximum heavy metals content** (expressed as fraction of 57 % copper content): **Cadmium (Cd)** | Max. 40 mg/kg (FAO Specification: max. 0.0001 g/g of copper content-means max. 57 mg/kg for 57 % Cu) | Inductively coupled plasma optical emission spectrometry (ICP-OES) |
| **Arsenic (As)** | Max. 200 mg/kg (FAO Specification: max. 0.0005 g/g of copper content-means max. 285 mg/kg for 57 % Cu) | Inductively coupled plasma optical emission spectrometry (ICP-OES) |
| **Lead (Pb)** | Max. 40 mg/kg (FAO Specification: max. 0.0001 g/g of copper content-means max. 57 mg/kg for 57 % Cu) | Inductively coupled plasma optical emission spectrometry (ICP-OES) |

**Packaging:** 25 kg, big-bag