CINKARNA

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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

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
Copper (Cu) pure	From 57 to 58.5 %	CIPAC 44.0/1/M2/1
pH (1 % aqueous dispersions, 20°C)	From 5.0 to 7.5	CIPAC MT 75.3
Cadmium (Cd)	Max. 50 mg/kg	Inductively coupled plasma optical emission spectrometry (ICP-OES)
Arsenic (As)	Max. 50 mg/kg	Inductively coupled plasma optical emission spectrometry (ICP-OES)
Lead (Pb)	Max. 160 mg/kg	Inductively coupled plasma optical emission spectrometry (ICP-OES)
Nickel (Ni)	Max. 550 mg/kg	Inductively coupled plasma optical emission spectrometry (ICP-OES)
Cobalt (Co)	Max. 3 mg/kg	Inductively coupled plasma optical emission spectrometry (ICP-OES)
Chromium (Cr)	Max. 100 mg/kg	Inductively coupled plasma optical emission spectrometry (ICP-OES)
Antimony (Sb)	Max. 7 mg/kg	Inductively coupled plasma optical emission spectrometry (ICP-OES)

Packaging: 25 kg, big-bag