

Technical information

TRIBASIC COPPER SULPHATE (TBCS) – technical

Chemical name (IUPAC nomenclature): Tetracopper hexahydroxide sulphate

Chemical formula: $\text{Cu}_4(\text{OH})_6(\text{SO}_4)$

EC No.: 215-582-3

CAS No.: 1333-22-8

Type

Tribasic copper sulphate 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 tribasic copper sulphate can be used for registration of plant protection products in all member states of the Europe union.

Use

Active substance tribasic copper sulphate 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 | Minimum 52,5 % | CIPAC 44.0/1/M2/1 |
| pH (1 % aqueous dispersions, 20°C) | from 5.0 to 8.5 | 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. 150 mg/kg | Inductively coupled plasma optical emission spectrometry (ICP-OES) |
| Nickel (Ni) | Max. 500 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) |
| Mercury (Hg) | Max. 5 mg/kg | EPA 7473 |

Packaging: 25 kg, big-bag