

Product name:

Copper(II) sulfate pentahydrate

Synonyms: Copper monosulfate pentahydrate, Copper vitriol pentahydrate

CAS number: 7758-99-8

General information:		
	Chemical formula: $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	Molar Mass: 249.68 g/mol
	Appearance: blue crystalline powder	density: 2.284 g/cm ³
	Solub. in water: 317 g/l	Melting point: 110 °C
	vapor pressure : 7.3 mmHg (25 °C)	pH value : 3.5 - 4.5 (H ₂ O, 20°C)
	Storage temp.: +2°C to +30°C	Cautions: harmful, irritant, dangerous for the environment
	R: N/A	S: N/A
	HS-No.: 2833 25 00	EC index number .: 029-004-00-0

Hazard Symbol



Safety Information

Grade

ACS

Specification:				
Assay			98.0-102.0	%
Description			Conforms	
Solubility & Appearance of Solution			Conforms	
Identification (Copper)			Conforms	
Identification (Sulfate)			Conforms	
Insoluble matter	≤	0.005		%
Chloride	≤	0.001		%
Nitrogen compounds (as N)	≤	0.002		%
Calcium	≤	0.005		%
Iron	≤	0.003		%
Nickel	≤	0.005		%
Potassium	≤	0.01		%
Sodium	≤	0.02		%

Ordering code	250 g	1 kg	2.5 kg	5 kg	10 kg
P.E.		478.16.01000.02			
Glass					