

Inorganics, solutions and auxiliaries

159253 Copper(II) sulfate pentahydrate Reag. Ph Eur

Formula Hill	CuO ₄ S * 5 H ₂ O		
Chemical formula	CuSO ₄ * 5 H ₂ O		
Molar mass	249.68 g/mol		
Density	2.29 g/cm ³ (20 °C)		
pH value	3.5 - 4.5 (50 g/l 20 °C)		
Form	solid		
Color	blue		
Odeur	odourless		
Melting point			
Boiling point			
Vapor pressure	Solubility in water	317 g/l (20 °C)	
Explosion limits	Solubility in ethanol	insoluble	
Flash point	Solubility in chloroform		
Thermal decomposition	88 - 245 °C ((release of crystalline water))	Water absorbtion	
Heat of evaporation		Saturation conc. (air)	
Evaporation number		Dielectric constant	7.8 (17 - 22 °C)
Ignition temperature		Dipole moment	
Bulk density	~ 900 - 1200 kg/m ³	Viscosity dynamical	
Refractive index		Viscosity kinematical	