

Technical Data Sheet

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Copper sulfate

Product Identification

Product name : Copper sulfate
Chemical Formula : $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
CAS No. : 7758-99-8

Physical and Chemical Properties

Property	Value / Description
Purity	99% min
Physical State	Crystals or crystalline powder
Color	Blue
Density	2.286 g/cm ³
Melting Point	No data
Solubility in Water	31.7 g/100m ℓ (0 °C)
pH	3.5 - 4.5
Stability	Stable under normal conditions
Reactivity	Reacts with iron and zinc, hygroscopic

Applications

Electroplating, catalyst, preparation of Bordeaux mixture, algicide, bactericide, herbicide, mordant in textile dyeing, azo dye preparation, wood preservative, tanning, battery electrolyte, pigment in paints and varnishes, metallurgy, water-resistant adhesives, reagent toner in photography

Packing

25kg net in sealed containers

Shipping Regulations

UN No.3077

Safety Information

Toxic if swallowed. Causes skin irritation. Causes serious eye irritation.
Suspected of causing genetic defects.
Causes damage to organs (blood system, kidneys, liver, nervous system).
Causes damage to organs (blood system, respiratory system) through prolonged or repeated exposure.

***The information provided herein is for reference purposes only, and the user is responsible for determining the suitability of the product for their specific application.