



Pentagon Chemicals

(Traders Exporters importers & Manufacturers in Heavy Chemicals, Acids, Dyes, Solvents, Auxiliaries, Minerals if etc)

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COPPER SULPHATE – USES AND SPECIFICATION

This salt exists as a series of compounds that differ in their degree of hydration. The anhydrous form is a pale green or gray-white powder, whereas the pentahydrate the most commonly encountered salt is bright blue. It is used in Organic synthesis, as an herbicide, fungicide, pesticide. Mixed with Lime it is called Bordeaux Mixture to control fungus on grapes and other berries. Most species of algae can be controlled with very low concentrations of Copper Sulphate. Other applications include hair dyes, coloring glass, processing of leather and textiles.

Specifications:

Assay as $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ %	99.2% Min
Total copper content as Cu	25.0% Min
Matter insoluble in H_2O	0.1% Max
Iron as Fe	1000 ppm Max
Chlorine as Cl	300 ppm Max
PH of 5% solution at 25oC	3.5

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