



# What is the use of copper sulphate in Industry?

[Copper sulphate](#), also known as cupric sulphate, is a chemical compound that consists of copper, sulphur, and oxygen. It is widely used in various industries due to its unique properties and versatility. In this blog post, we will explore the different uses of copper sulphate, its formula, and price.

## Copper Sulphate Formula

The chemical formula of copper sulphate is  $\text{CuSO}_4$ . It is a blue crystalline solid that is soluble in water and ethanol. Copper sulphate exists in various forms, including anhydrous, pentahydrate, and heptahydrate. The most common form of copper sulphate is the pentahydrate, which has five water molecules attached to each copper ion.

## Copper Sulphate Uses

Copper sulphate has numerous uses in different industries, including agriculture, mining, and manufacturing. Here are some of the most common uses of copper sulphate:

1. **Agriculture:** Copper sulphate is widely used in agriculture as a fungicide and pesticide. It helps to control the growth of algae, fungi, and other harmful organisms that can damage crops. Copper sulphate is also used as a soil additive to increase the copper content in the soil, which is essential for plant growth.
2. **Mining:** Copper sulphate is used in the mining industry as a flotation agent. It helps to separate valuable minerals from the ore by attaching to the mineral surface and forming a froth that can be easily separated.
3. **Manufacturing:** [Copper sulphate is used](#) in the manufacturing of various products, including dyes, pigments, and chemicals. It is also used as a catalyst in chemical reactions and as a mordant in the textile industry.

## **Copper Sulphate Price**

The price of copper sulphate varies depending on the form and purity of the compound. The anhydrous form of copper sulphate is more expensive than the hydrated forms due to its higher purity. The price of copper sulphate also depends on the quantity purchased, with bulk purchases being cheaper than smaller quantities.

## **Conclusion**

Copper sulphate by [Amizara Speciality Chemicals LLP](#) is a versatile chemical compound that has numerous uses in different industries. Its unique properties make it an essential ingredient in agriculture, mining, and manufacturing. The price of copper sulphate varies depending on the form and purity of the compound, with bulk purchases being cheaper than smaller quantities. With its wide range of applications, copper sulphate will continue to be an important chemical compound in the future.