



MARLYN

Product Information Sheet

Copper Sulphate

Product Description

Copper sulphate is an inorganic, crystalline and odourless compound associated with 1 of 5 waters of hydration. Pentahydrate copper sulphate (associated with 5 waters of hydration, $\text{CuSO}_4(\text{H}_2\text{O})_5$) is the most common form of copper sulphate, and is blue in colour. Anhydrous copper sulphate (CuSO_4) is a white powder. Copper ions are highly toxic to fish

Usage

Copper sulphate is used for a variety of purposes including:

Fungicide, algacide and herbicide: The most common application for copper sulphate is for microbiological control of bacteria, fungi and algae. Solutions of copper sulphate are used to control fungus on grapes, melons and other berries. Copper sulphate solutions are used in horticulture to prevent damping off in seedlings, and in swimming pools to prevent algae growth.

Mining: Copper sulphate is a flotation reagent in the froth flotation of lead, zinc, cobalt and gold ores

Agriculture: Copper sulphate is used to correct copper deficiency in the soil.

Chemical: Copper sulphate is used for the preparation of catalysts used in many industries.

Other applications:

- A reagent in the preparation of dyestuff intermediates
- A reagent in the tanning process
- Electroplating

Packaging

Copper sulphate is available in 25 or 500 kilogram bags.

Health and Safety Information

For Health, Safety, Shipping and Handling information it is recommended to refer to the Material Safety Data Sheet.

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