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Technical Data Sheet

Product Name: Copper Sulphate Pentahydrate

Molecular Formula: $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$

CAS No.: 7758-99-8

HS Code: 28332500

Physical Description

Mol Weight: 249.68

Appearance: Bright blue crystal

Physical State: Solid

Melting Point: 200 C (anhydrate)

Density: 2.286

Solubility: Water soluble

Stability: Stable

Usage:

- (1) Feed additive: used in the elaboration of mineral premixes, complement the proper feeding of livestock and poultry
- (2) Agriculture: Used as fungicide and nutritious trace element
- (3) Electroplating industry
- (4) Hardware industry
- (5) Chemical industry: used in the manufacturing of copper salt leaching, copper chloride, cuprous chloride and cuprous oxide etc.
- (6) Dyestuff industry: used in the protection of copper sheet azo dyes, such as blue complexing agent. Also in organic synthesis, spices and dye intermediates of catalysts.
- (7) Water treatment industry.

Technical Specification

Appearance: Bright blue crystal

$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$: 98%min

Cu: 25% min

Pb: 10ppm max

As: 5ppm max

Water Insoluble: 0.2% max

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