Summary Technical Data Sheet

Copper Sulfate Pentahydrate ECG

Product Name: Copper Sulfate Pentahydrate ECG
Synonyms: Cupric sulfate pentahydrate,
Copper (II) sulphate pentahydrate,
Bluestone, Vitriol
CAS Number: 7758-99-8
Formula: $CuSO_4.5H2O$
Molecular weight: 249.69 g/mol
Grade: Electroless (ECG)
Appearance: blue crystals
Odour: odourless
Solubility: soluble in water, 25.9 wt.%

Product Specifications

Properties	Specifications
Copper	≥ 25.2 %
Copper sulfate pentahydrate	≥ 99.9 %
Iron (Fe)	≤ 0.001 %
Chromium (Cr)	≤ 0.0002 %
Nickel (Ni)	≤ 0.0001 %
Lead (Pb)	≤ 0.0005 %
Zinc (Zn)	≤ 0.0005 %
Cadmium (Cd)	≤ 0.0001 %
Manganese (Mn)	≤ 0.0001 %
Chloride (Cl)	≤ 0.0001 %
Water insolubles	≤ 0.005 %

Copper Sulfate Pentahydrate ECG is a high quality and high purity product that is particularly effective in copper plating and electroless copper plating. Copper Sulfate Pentahydrate ECG grade is suitable for electroless plating, which has the advantages of high efficiency, robust quality, relatively low energy consumption, and suitability for complex parts.

Copper sulfate pentahydrate is the most common form of copper sulfate and is a bright blue powder that is soluble in water. It has various applications as an etchant for copper and zinc plates, mordant in dyeing, and resistive element in electronic liquid resistors.

Storage and Handling: Store in a cool, dry and well-ventilated place and in a tightly closed container.

Packaging: 50 lb / 22.68 kg

Transport Regulations: UN3077, Hazard Class 9, Packing Group III.

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.

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