

UNIVAR PRODUCT SPECIFICATIONS:

Copper Sulfate, Pentahydrate, Technical / Feed Grade, Small and Medium Crystal

Univar's Copper Sulfate, *Technical/Feed grade* is provided in 2 different crystal sizes: as small or medium size, blue crystals. No additives are present (such as free flow additives). The medium size has an up charge in cost over the small crystal size material.

PROPERTY	SPECIFICATION	TYPICAL RESULTS
Copper, Cu	25.0 % min. (98.0% min CuSO ₄ •5H ₂ O)	25.2
Chlorides	0.05% max.	< 0.05%
Iron, Fe	< 50 ppm	18.2 ppm
Cadmium	< 1.0 ppm	< 0.5 ppm
Arsenic	< 1 ppm	< 1 ppm
Lead	< 20 ppm	< 15 ppm
Free Moisture	0.5 % max	Pass
pH, 5 % solution	3.0 – 4.0%	Pass
Water Insoluble matter	< 0.1%	< 0.1%

CAS: 7758-98-7

Formula: CuSO₄•5H₂O

PARTICLE SIZE (Typical): SMALL: On 20 mesh: 5% max; between 20 – 40 mesh: 95% min
MEDIUM: -4 to 20 mesh

HAZARD: Toxic by ingestion, strong irritant. Marine Pollutant.

SHELF LIFE: Free flow properties: 3 months from production date; chemical parameters: 2 years.

PACKAGING: 25 kg . UN approved, Univar paper bags with PE liner, palletized and shrink wrapped.
20 MT (40 bags x 20 pallets) per 20' FCL.

USES:

- Mining (ore flotation)
- Animal Feed
- Compounding of CCA
- Leather industry
- Petroleum industry
- Electroplating
- Steel manufacturing
- Synthetic rubber

030-HAR-01

4/8/04

Consult MSDS for additional information

All information is based on data obtained from the manufacturer or recognized technical sources. The information is believed to be accurate. Univar Products Corp. ("UPC") makes no representation or warranty, express, or implied, concerning the accuracy or sufficiency of the information. UPC is not liable for any damages resulting from the use of the information.



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