



Specialized in chemicals

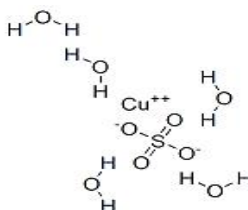
Hefei TNJ Chemical Industry Co.,Ltd.  
B910~911 Xincheng Business Center,  
Qianshan Rd. Hefei 230022 China  
Tel : (0086) 551 65418678  
Fax: (0086) 551 65418697  
Email: info@tnjchem.com  
Site: www.tnjchem.com

## Technical Data Sheet

### Copper sulfate pentahydrate

#### Product Information

Chemical Name	Copper sulfate pentahydrate
CAS #	7758-99-8
Formula	CuSO <sub>4</sub> ·5(H <sub>2</sub> O)
Molecular Weight	249.68
Synonyms	Copper sulfate
Chemical Structure	



#### Description

Copper sulphate is also called chalcantite.

##### Pellet copper sulphate:

Bright blue color, even pellet, fine mobility, dry and not agglomeration, for long-term storage.

##### Powder copper sulphate:

Even mixing, fine mobility, easy to assimilate.

It doesn't ooze or agglomerate in moist or high-temperature environment, so it is suitable for a long-term storage and transportation by sea.

#### Physical Properties

Melting point, °C .	110
Density @ 20°C, g/cm <sup>3</sup>	2.284
Soluble	320 g/L (20 °C)

#### Specification

Index name	Feed grade	Industry grade
------------	------------	----------------

CuSO <sub>4</sub> .5H <sub>2</sub> O ≥	98	96
Cu ≥	25.00	24.50
Pb ≤	20ppm	20ppm
As ≤	20ppm	20ppm
Free Acid ≤	0.3	0.3
Insoluble matter ≤	0.15	0.2

### Safety

Always refer to the Material Safety Data Sheet (MSDS)

### Applications

Coper sulphate pentahydrate can be extensively used in fodder, fertilizer, pigment, chemical, pesticide, electroplating, mining ore, animal medicine field and so on.

### Packaging

25kg per bag

25mt per 20ft container

### Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.

Store in a cool, dry, well-ventilated area away from incompatible substances.

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.

Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.*

### Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center  
Qianshan Road, Hefei  
230022 Anhui  
China

Tel : (0086) 551 65418678  
Fax: (0086) 551 65418697  
Email: info@tnjchem.com  
Site: www.tnjchem.com