

Copper(II) sulfate pentahydrate

Grade: Extra pure

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

M=249.68 g/mol

Specification

Assay

-iodometric..... 99-100.5%
-iodometric, calc. on.....98.5-100.5%
dried substance

Identity.....confirms

Appearance of.....confirms
solution

Solubility.....confirms

Chloride.....0.05%

Loss on drying.....35-36.5 %

Technical data

- CAS-No. 7758-99-8
- EC-No. 231-847-6
- Spec. density 2.285 g/cm³ (25 ° C)
- Solub. In H₂O 317 g/l (20 ° C)
- M = 249.68 g/mol
- pH value 3.5 – 4.5(50 g/l, H₂O, 20 ° C)
- Bulk density ~ 900-1200 Kg/m³
- Harmful, irritant, dangerous for the environment
- R 22-36/38-50/53
- S 22-60-61
- RTECS GL8900000
- Posion class (CH) 3
- WGK 2
- LD 50 oral rat 960 mg/Kg
- LD50 dermal rat> 2000 mg/kg
- EC-Index-No. 029-004-00-0
- HS-No. 2833 25 00
- LGK 10-13
- Pack.-cat. A
- Disposal 15
- Road/Rail 9/M 7 III
- IMDG-Code 9/III UN 3077
- IATA-DGR UN 3077 CAO 911 PAX 911
- Merckblatt BG Chemie Nr. M050,M 004
- Merck-Index 10, 2645
- Roempp 8, 2292

Guidelines of usage & storage

- Highly flammable
- Irritating to eyes.
- Repeated exposure may cause skin dryness or cracking.
- Vapours may cause drowsiness and dizziness.
- Keep out of reach of children
- Keep away from food and drink.
- Keep away from source of ignition-no smoking.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Take precautionary measures against static discharges.
- Do not breathe vapour .
- Do not empty into drains.

Symbol



Packaging

Plastic Bottles

1 Kg

Plastic container

5-10 Kg

Fiber Bag