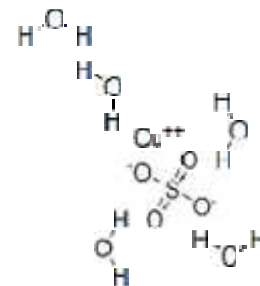


COPPER (II) SULPHATE PENTAHYDRATE AR/ACS

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|------------------------------------|--|
| PRODUCT CODE | 496775 |
| SYNONYMS | Cupric sulphate pentahydrate |
| C.I. NO. | -- |
| CASR NO. | (7758-99-8) |
| ATOMIC OR MOLECULAR FORMULA | $CuSO_4 \cdot 5H_2O$ |
| ATOMIC OR MOLECULAR WEIGHT | 249.68 |
| PROPERTIES | Slowly efflorescing in air, white when dehydrated, soluble in water, methanol. Slightly soluble in alcohol and glycerol. |



| PARAMETER | LIMIT |
|----------------------------|---|
| Description | Transparent blue crystals or blue crystalline powder. |
| Solubility | 10% solution in water is bright blue and clear. |
| Identification | Passes test. |
| Minimum Assay (Iodometric) | 99.5% |

| MAXIMUM LIMIT OF IMPURITIES | |
|-----------------------------|------------------------|
| Insoluble matter | 0.003% |
| Chloride (Cl) | 0.0005% |
| Nitrogen compounds (N) | 0.002% |
| Arsenic (As) | 0.0005% |
| Calcium (Ca) | 0.005% |
| Iron (Fe) | 0.003% |
| Lead (Pb) | 0.005% |
| Magnesium (Mg) | 0.005% |
| Nickel (Ni) | 0.005% |
| Potassium (K) | 0.001% |
| Sodium (Na) | 0.005% |
| Zinc (Zn) | 0.01% |
| Organic volatile impurities | Meets the requirement. |

Note(s): 1] Assay (if applicable) method mentioned.

| | |
|---|---|
| <p>WARNING</p> <p>HAZARD STATEMENTS: Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.</p> <p>PRECAUTIONARY STATEMENTS</p> <p>Prevention: Avoid breathing dust/ fume/gas/mist/vapours/ spray. Wash ... thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well- ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/ protective clothing/eye protection/face protection.</p> <p>Response: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for</p> | <p>IMDG Code : 9 / III</p> <p>UN No. : 3077</p> <p>IATA : 9</p> |
|---|---|



Product Specification

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breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before re- use. Wash contaminated clothing before reuse. Collect spillage.

Disposal: The quantities greater than 10g should be dissolved in dilute acid and transferred to heavy metal waste drum for collection by specialist disposal company.

Hazard Pictogram(s) :



GHS07



GHS09

Replace Date-26-Jun.2020