

ISO 9001:2008 Co.



Rehsiff Scientific®

Manufacture & Importer of
Laboratory Fine Chemicals, Diagnostic Kit & Lab wares

COPPER (II) SULPHATE PENTAHYDRATE AR/ACS

PRODUCT CODE	R05038
SYNONYMS	Cupric sulphate pentahydrate
C.I. NO.	--
CASR NO.	(7758-99-8)
ATOMIC OR MOLECULAR FORMULA	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
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.	

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<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 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.</p> <p>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.</p>	<p>IMDG Code : 9 / III UN No. 3077 IATA 9</p>
<p>Hazard Pictogram(s) :</p> <div style="display: flex; justify-content: center; align-items: center; gap: 20px;"><div style="text-align: center;"> GHS05</div><div style="text-align: center;"> GHS07</div></div>	

replace Date 1 April 2023

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