



Product Specification

cdhfinechemical.com

COPPER (II) CHLORIDE DIHYDRATE AR

PRODUCT CODE	496660	
SYNONYMS	[Cupric chloride AR]	
C.I. NO.	--	
CASR NO.	(10125-13-0)	
ATOMIC OR MOLECULAR FORMULA	CuCl₂·2H₂O	$\begin{array}{c} \text{H}_2\text{O} \\ \\ \text{Cl}-\text{Cu}-\text{Cl} \\ \\ \text{H}_2\text{O} \end{array}$
ATOMIC OR MOLECULAR WEIGHT	170.48	
PROPERTIES	Loses 2HOH at 100°C.	

PARAMETER	LIMIT
Description	Moist blue, bluish green or green crystals.
Solubility	10% solution in water is clear and bright.
Identification	Passes test.
Assay (Iodometric, ex cu)	99.0 - 100.5%
pH (of 5% Aq. solution)	3.0 - 3.8

MAXIMUM LIMIT OF IMPURITIES	
Loss on drying (at 105°C)	20.9 – 21.4%
Insoluble matter	0.01%
Nitrate (NO ₃)	0.015%
Sulphate (SO ₄)	0.005%
Calcium (Ca)	0.005%
Iron (Fe)	0.005%
Lead (Pb)	0.004%
Nickel (Ni)	0.01%
Potassium (K)	0.01%
Sodium (Na)	0.02%
Organic volatile impurities	Meets the requirement.

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

<p>WARNING HAZARD DANGER Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.</p> <p>PRECAUTIONARY STATEMENTS 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. Wear protective gloves/protective clothing/eye protection/face protection. 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. If skin irritation occurs, seek medical advice/attention. If eye irritation persists, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Remove. Contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use.</p> <p>Disposal: The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.</p>	<p>IMDG Code : 8 / III UN No. : 2802 IATA : 8</p>
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Hazard Pictogram(s) :



GHS05



GHS07



GHS09

Replace Date 07-Mar-2026