

TECHNICAL DATA SHEET OF

Copper oxychloride 97% TC

Chemistry identity	
Common name	Copper oxychloride 97% TC
IUPAC name	dicopper chloride trioxide
CAS No	1332-65-6
Molecular Formula	$H_3ClCu_2O_3$
Mode of action	Interfering with the enzyme system of spores and mycelium, a process which is usually irreversible. It forms a chemical barrier against fungal attack and is a foliar fungicide with preventative action.
Physical and chemical properties	
Appearance	Green powder
Content	97% min.
pH	5.0-8.0
Density	NA
Solubility in water	In water 1.19 mg/cm ³ at 20 °C
Mammalian toxicity	
Acute oral	LD ₅₀ > 812 mg/kg
Acute dermal	LD ₅₀ for rats >1200 mg/kg
Acute inhalation	LC ₅₀ (4 h) for rats >15 mg/L
Environment fate	<p>Terrestrial Fate: Factors affecting the balance between copper in the parent rock and in the derivative soil include the degree of weathering, the nature and intensity of the soil formation, drainage, pH, oxidation-reduction potential, & the amount of organic matter in the soil. Since copper in rocks is likely to be more mobile under acidic than alkaline conditions, the relation of pH to copper in the environ has been of great concern to agriculturalists & biologists. Alkaline conditions in the soil and & the surface water favor precipitation of copper. Acid conditions promote solubility of copper, increase the concentration of ionic copper, and thereby change the microorganism and other aquatic animal populations, depending on tolerance for various levels of copper in solution. The reports of acid rain in various parts of the world are of serious concern. Due to the variety of conditions which influence the metal's availability, the total copper content of the soils is not an accurate indication of deficiencies or excess of copper in soil rooted plants.</p> <p>Aquatic Fate: During bio-transformation, some copper complexes may be metabolized, however, there is no evidence that biotransformation processes have a significant bearing on the aquatic fate of copper.</p>



SHANGHAI BOSMAN INDUSTRIAL CO., LTD.

Add: Room1804, No.1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.

Tel: +86 21 63065878 | **Fax:** +86 21 63065878 | **E-mail:** info@bosmangroup.com

Website: www.bosmangroup.com

Handling and storage	<p>Precautions for safe handling: Keep out of reach of children. Avoid skin and eye contact and breathing in vapour, mists and aerosols.</p> <p>Conditions for safe storage: Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Store away from foodstuffs. Keep containers closed when not in use - check regularly for spills.</p>
Package	25kg drum or customized package