



**BHARATH
CHEMICAL
INDUSTRIES**

**The Superior
quality
Technical grade
Copper Sulphate**



www.bcics.in



IS.261.1982



CML/4468373



WHO WE ARE

Bharath Chemical Industries (BCI) has been working since 2009. It is an ISO 9001-2015 certified firm. Which is situated in H N Pura, Hassan district, Karnataka, Licence No: PPO/PML/6/2018 Dt. 13. 12. 2018. We are providing our services all over India as per the need, at a reasonable cost without compromising the quality of the product. We are providing both crystal and powder forms of copper sulfate with a 25% copper content and 99% purity, which is best in the industry. The chemical composition is given below.


- Copper Sulphate Penta Hydrate (CuSo4.5H2O): 98.0% w/w
- Equivalent to A.I. Copper Content:(\pm)25% w/w
- Matter insoluble in water: 0.2% w/w
- Soluble Iron and Aluminium Compound: 0.3% w/w

We have a good managing level team having more than 40 years of experience in this area and highly skilled employees make this organization top in the industry. Our team aims in providing best-in-class service to the farmers. Our company possesses high-quality machinery to control the crystal size and the quality, also, we have a rigorous quality assurance process monitored by a team of experts to ensure technical excellence. The application of our product to plants is explained below.

Reg. No	Sample	pH (5% Aq)	Cu Content (%)	Purity as CuSO_4 (%)	Remarks
154	Copper Sulphate - Crystal	3.8	24.7	99.0	Good Sample
155	Copper Sulphate - Powder	4.0	24.8	98.4	Good Sample
		>3	24.7	97.0	Good

Benefit & Uses

- Copper content is 24.7 which is best in class in the market.
- Have a high PH content of above 3
- Superior quality Copper Sulphate powder / crystal having 99% purity
- A single coat application of BCI Copper Sulphate provides a guaranteed fungicide protection for nearly 45 days.



**DIVISIONAL OF AGRICULTURAL CHEMISTRY
CENTRAL COFFEE RESEARCH INSTITUTE
COFFEE RESEARCH STATION - 577 117
CHIKKAMAGALURU DISTRICT**

Ref : Ag. Chem/2020-21/842 Date:

ANALYSIS REPORT

To:
M/s. Bharath Chemical Industries Limited
Plot No. 433, K.J.A.D.B Industrial Growth Center
H.N. Puru Road, Hassan - 573201

Sr:
Sub: Analytical results of Agro-chemicals - reg
Reg. No 80

Please find herewith the analytical result of the samples sent by you.
Please note that Coffee Board is not a party for any legal action based on this analytical report

Reg No	Sample	pH (5% Aq)	Cu Content (%)	Purity as CuSO_4 (%)	Remarks
154	Copper Sulphate - Crystal	3.8	24.7	99.0	Good Sample
155	Copper Sulphate - Powder	4.0	24.8	98.4	Good Sample
		>3	24.7	97.0	Good



Uses

Copper Sulphate Technical is used for the manufacture of Bordeaux mixture only.

Preparation of Bordeaux

Bordeaux mixture is prepared from Copper Sulphate, quick lime and water. The strength of the mixture is in terms of the properties of the ingredients of the percent age of Copper in the mixture in the former case it is specified as 1:1:225 and in the latter as 0.4% or 0.6 % etc. (1kg 225 Ltrs of water)

1. Dissolve required quantity of Copper Sulphate in 3/4% quantity of water in glass / plastic / earthen pot or wooden tub.
2. Dissolve quick lime in remaining quantity of water.
3. Mix the above solution in another tub.
4. Test the H with blue litmus paper which should not turn red or by dipping a knife blade on which Copper Sulphate deposit should not appear if the mixture is acidic add more lime.

Antidote:

Empty stomach by gastric lavage with milk or preferable a/ v sol. of Pottassium Ferrocyanide. Adminster egg white and other demulcent. Maintain electrolyte and fluid balance. Mor phine may be given to control pain. Dose of gencilamine 15-40 mg/kg/day (max/1-2 mg/day divided into dosage) should be administered for five days.

Dimercaprol can be given 3mg/kg/every four hours for first four days and 2 mg/kg/every four hours for a total of 10 days. Give within first four hours per poisoning to obtain maximum benefit. Dimercaprol administered intravenously.

മുഖ്യമരുന്ന്

പാലോ 1% പൊട്ടാസിയം ഫെറോസയനൈഡ് ലായനിയോ കൊണ്ട് വയർ കഴുകുക. ഇലക്ട്രോലൈറ്റ് - ദ്രവസമതുലനം നിലനിർത്താൻ മുട്ടയുടെ വെള്ളയും മറ്റു ശമനഘടകങ്ങളും നൽകുക. വേദന നിയന്ത്രിക്കുന്നതിന് മോർഫൈനോ, പെതിറൈനോ, അസുഖലക്ഷണങ്ങൾ തുടരുകയാണെങ്കിൽ ഡൈമർകാ പ്രൊയിൽ പെൻസിലാ മൈനോ നൽകുക.

विषप्रतिरोधक

रोगी को दूध या पोटॉसियम फरोसायहायड के घोल के साथ गेसट्रिक लवज देकर पेट खाली करे। पेट साफ कर अंडे का सकेद भाग था अन्य डेमुलुसेट दे। इलेक्ट्रोलाइट का अन्य संतुलित आहार दो दूदर कम करने के लिए मारफीन या पेथिडीन दे। जहर के लक्षण दिखने पर जायमरकेपाल या पेनिसिलामीन दे। पेनिसिलामीन की मात्र १५-४० मि. ग्रा/कि या प्रतिदिन अधिकतम २-२ या प्रति दिन वार भागो में बांट पांच दिन देती चाहिये। जायमरके प्राल ३ मि. ग्रा/कि या पबले चार दिन प्रति चार घंटे पर तए २ मि. ग्राय/कि. ग्रा हर घंटे पर कुल दिन तर दैना चाहिए। अधिक फायदे के लिए जहर पढने के पहले बार घंटे के अंदर दगा दो डायमरकेप्राल का इंजवशन नडियों में दें।



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Senior Chemist