

BLUE DIME

Copper Sulphate



Blue Dime is Copper Sulphate pentahydrate $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$, processed using finest quality raw materials and utilizing modern techniques. Blue Dime finds wide ranging applications covering a number of industries such as agriculture, animal husbandry, healthcare, industrial, etc. It is also the starting raw material for the production of many other copper salts.

Bluedime Copper Sulphate is manufactured by our associate firm from their well equipped and most modern production plant. We can offer three grades of quality and as well accommodate packaging options according to the buyer's choice. We are also competent enough to offer any change in the quality if in case the product falls out of the offered specification.

Salient features :

- Manufactured from millberry copper.
- Accurate composition, ensures purity.
- Consistent Quality and Reliability.
- Economical – good cost to benefit ratio
- Ecofriendly.



Specification :

Product	: CuSO ₄ .5H ₂ O --- 249.7 --- 7758-99-8
Appearance	: Blue crystals or crystalline powder.
Solubility	: Freely soluble in water
Assay as CuSO ₄ .5H ₂ O	: 99 %.min
Metal as Cu	: 24 % to 25 %
pH of 5 % solution	: 2.5 to 3.0.
Iron as Fe	: 0.0025 %.max
Zinc as Zn	: 0.005 %.max
Chloride as Cl	: 0.002 %.max
Nitrite as No ₃	: 0.01 %.max
Other Metals	: 0.002 % max
Insoluble matter	: 0.02 %.max

Grades :

Produced in a number of grades varying from large crystal lumps to fine powders.

Grade – I : Big Crystals between size range of 5mm to 25mm

Grade – II : Granular : 2mm to 4mm crystals.

Grade – III : Crystalline powder less than 2mm crystals

Production :

The production relates to the oxidation of metallic copper in a finely divided condition, immersed in a dilute solution of sulphuric acid, the reaction taking place in a low pressure Leaching Reactor into which is introduced heated oxygen and distilled water, thereby converting the metallic copper to copper sulphate solution. This hot saturated liquor is allowed to cool slowly in large cooling vats into which strips of lead are hung to provide a surface for the crystals to grow on. The cooling process is accelerated by agitating the liquor in water cooled vessels to draw out granulated crystals of Copper Sulphate.

Directions for Use:

Bordeaux Mixture : One kg of copper sulphate powder is dissolved in 50 litres of water. Similarly, 1 kg of lime is powdered and dissolved in another 50 litres of water. Then copper sulphate solution is slowly added to lime solution with constant stirring or alternatively, both the solutions may be poured simultaneously to a third contained and mixed well.

Preparation of 0.5% Bordeaux mixture is same as above but reducing the copper sulphate and lime half of the amount but keeping water same as 1% mixture preparation.

In general, 1% Bordeaux mixture is applied to hardy plant parts such as roots, stem and 0.5% of mixture is applied on leaf/foilage.

Bordeaux Paste: Bordeaux Paste consists of same constituents as that of Bordeaux mixture, but it is in the form of a paste as the quantity of water used is too little. It is nothing but 10 per cent Bordeaux mixture and is prepared by mixing 1 kg of copper sulphate and 1 kg of lime in 10 litres of water. The method of mixing solution is similar to that of Bordeaux mixture. It is a wound dresser and used to protect the wounded portions, cut ends of trees etc., against the infection by fungal pathogens.

Safety precautions :

Do not eat, drink or smoke when using this product.

First aid measures

Inhalation: Remove the victim into fresh air. Assure fresh air breathing. Allow the victim to rest. If Respiratory problems arise consult a Doctor.

Skin contact : Wash immediately with lots of water. Do not apply neutralizing agents. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Take victim to a doctor if irritation persists.

Eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Take victim to an ophthalmologist if irritation persists.

Ingestion : Rinse mouth with water immediately after ingestion: give lots of water to drink. Consult a doctor/medical service if you feel unwell. If potentially dangerous volumes of this material have been consumed get emergency medical attention.

Storage :

Keep bag tightly closed after use in a dry, cool and well-ventilated place, away from direct sunlight.

Store out of reach of children.

Packing : LDPE lined HDPE bags of 25 kgs or can be accommodated as per customer preference.

Shelf Life : 2 Years from the date of manufacture .

Important :

Be sure to read all Directions, Safety and First Aid Measures on product labels before use of BLUE DIME. If in doubt, get in touch with INCON customer service. Material Safety Data Sheets for all INCON products are available by visiting www.inconproducts.in

Non Warranty :

Manufacturer or seller of this product makes no warranty expressed or implied concerning the use of this product other than the aforementioned purpose. Manufacturer or seller is not liable for any injury or damage caused by this product arising out of misuse, misunderstanding or any application not specifically described and recommended on the safety data sheet.

Guarantee :

INCON's production and quality control system ensure uniform quality. However if dissatisfied with the performance of the product, you may return any unused portion for credit or replacement within 6 months of the date of manufacture.

INCON Products

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