



TECHNICAL DATA SHEET

1. Product Information

Product Name: Copper Phosphate

Chemical Name: Copper(II) Phosphate

CAS No.: 10103-19-2

Molecular Formula: $\text{Cu}_3(\text{PO}_4)_2$

Molecular Weight: 380.58

Product Type: Inorganic chemical

Grade: Industrial / Technical Grade

2. Product Description

Copper Phosphate is an inorganic copper salt widely used in industrial and technical applications.

It appears as a blue to blue-green powder and exhibits good thermal stability. The product is commonly applied in surface treatment, catalysts, pigments, and specialty industrial formulations.

3. Typical Specifications

Item	Specification
Appearance	Blue to blue-green powder
Copper (Cu) Content	$\geq 55.0\%$
Phosphate (PO_4)	$\geq 38.0\%$
Loss on Drying	$\leq 2.0\%$

Item	Specification
Insoluble Matter in Water	$\leq 0.5\%$
pH (10% suspension)	6.0 – 8.0
Heavy Metals (as Pb)	≤ 20 ppm

Values shown are typical and may vary slightly depending on production process.

4. Physical & Chemical Properties

Appearance: Blue to blue-green powder

Solubility: Insoluble in water; soluble in acids

Stability: Stable under normal storage conditions

5. Applications

Industrial catalysts

Pigments and colorants

Surface treatment formulations

Specialty chemical manufacturing

Research and laboratory use

6. Packaging & Storage

Packaging: 25 kg fiber drum or woven bag with inner PE liner

Storage: Store in a cool, dry and well-ventilated place

Shelf Life: 24 months under proper storage conditions

7. Safety & Documentation

MSDS / SDS: Available upon request

COA: Provided per batch