

Copper Oxide Powder







NS6130-05-574

APS
40-50 μ m



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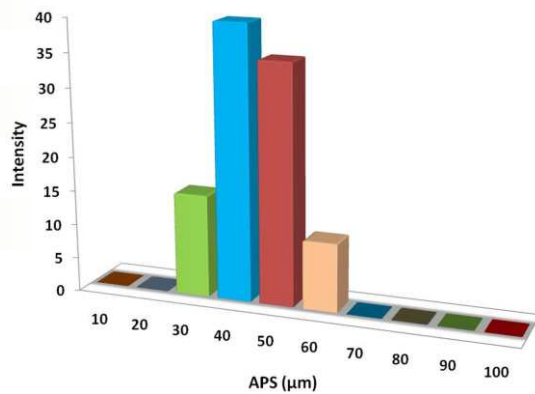
Copper Oxide Powder

Copper oxide powder is very stable, and their activity is longer when compared with organic antimicrobial agents. CuO powder has great biological properties including effective antimicrobial action against a wide range of pathogens and also drug resistant bacteria. These properties have led to the development of various approaches with direct applications to the biomedical field, such as tailored surfaces with antimicrobial effect, wound dressings and modified textiles. Copper oxide powder can be applied to the catalyst, superconducting materials, and thermoelectric materials, sensing materials, glass, ceramics and other fields.

Copper oxide (CuO) is a semi-conducting compound with a monoclinic structure. CuO has attracted particular attention because it is the simplest member of the family of copper compounds and exhibits a range of potentially useful physical properties, such as high temperature superconductivity, electron correlation effects, and spin dynamics. Copper oxide is relatively cheap, easily mixed with polarized liquids (i.e., water) and polymers, and relatively stable in terms of both chemical and physical properties.

Quick Facts

Product	:	Copper Oxide Powder
Stock No	:	NS6130-05-574
CAS	:	1317-39-1
Purity	:	99%
Color	:	Black or Brown
Form	:	Powder



Technical Specification

Formula	APS	Molecular Weight	Melting Point
CuO	40-50µm	79.545 g/mol	1326 °C

Chemical Composition

Product	Weight Percent (nominal)	
	CuO	Other Metal
Copper Oxide Powder	99%	0.1%

Applications

- Catalyst
- Superconducting Materials
- Thermoelectric Materials
- Sensing Materials
- Glass
- Ceramics

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