

## Copper Oxide Dispersion

CuO Dispersion has other unique magnetic and super hydrophobic properties. These nanostructures show very promising applications in heterogeneous catalysis in the complete conversion of hydrocarbons into carbon dioxide, enhancement of thermal conductivity of nanofluids, nanoenergetic materials, and super-hydrophobic surfaces or anode materials for lithium ion batteries.

## Properties

- ✓ Good adhesion
- ✓ High mechanical strength
- ✓ Thermal conductivity
- ✓ Energetic material
- ✓ Super hydrophobic
- ✓ Good catalyst

## Quick Facts

Purity	: 99.9%
APS	: 80nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH <sub>2</sub> O)
Form	: Slurry, Suspension, Dispersion, Colloidal



# Copper oxide DISPERSION

## Applications

- ✓ Used as a cathode of solid oxide fuel and oxygen generation system
- ✓ Gas sensors, magnetic storage media
- ✓ Photoconductors and photo-thermal system
- ✓ Catalyst for the rate of combustion in rocket propellant
- ✓ Semiconductor and high-tech superconductor
- ✓ Solar energy transformation
- ✓ Tissue engineering, in drugs delivery
- ✓ Food industry

**CuO**  
Dispersion



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