

## Copper Nanoparticle Dispersion

Copper 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

- ✓ Anti microbial, antifungal agent
- ✓ Self lubricant
- ✓ High thermal conductivity
- ✓ Photocatalysis
- ✓ Excellent electrical conductivity
- ✓ Oxidative capacity

## Quick Facts

Purity	: 99.9%
APS	: 80-100nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH <sub>2</sub> O)
Form	: Slurry, Suspension, Dispersion, Colloidal



## Applications

- ✓ Anti-fungicides (agricultural pathogens)
- ✓ Anti-microbial, antiviral coating (gloves, mask, textiles)
- ✓ Conductive ink
- ✓ Dental health care
- ✓ Water purification, food industry
- ✓ Bio sensors, gas sensors



# Copper Nano DISPERSION

**Cu** Dispersion



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