

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. Copper nanoparticles dispersions have unique optical and semiconductor properties allowing the application of copper oxide nanoparticles in many industrial applications.

Properties

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

Quick Facts

Purity : 99.99%

APS : 80nm

Concentration : Customer requirement

Dispersing Agent : Organic Solvent (DMF), IPA, Ethanol, Water (ddH₂O)

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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