

Cuprous Oxide Nanoparticles CONP12

Description:

Suspension of cuprous oxide nanoparticles are produced with concentrations of 1000, and 2000 ppm and functionalized with PVP.

Characterization	
CAS	1317-39-1
Stock No.	CONP122
Molecular formula	Cu ₂ O
Molecular weight (g/mol)	143.09
Form	Water base suspension
Color	Orange
Concentration (mg/mL)	2
Functional group	PVP
Morphology	Nearly spherical
Crystal structure	SC
Size range (>95%, nm)	50-100
Total impurity (%)	N/A



Image of suspension of cuprous oxide nanoparticles (CONP12)

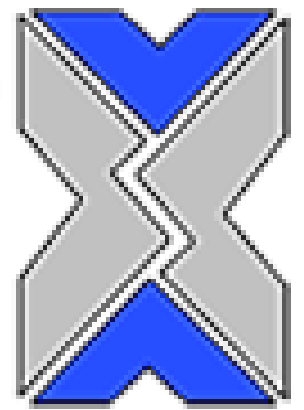
Note: product specifications are subject to amendment and may change over time.

Applications (but not limited to the following):

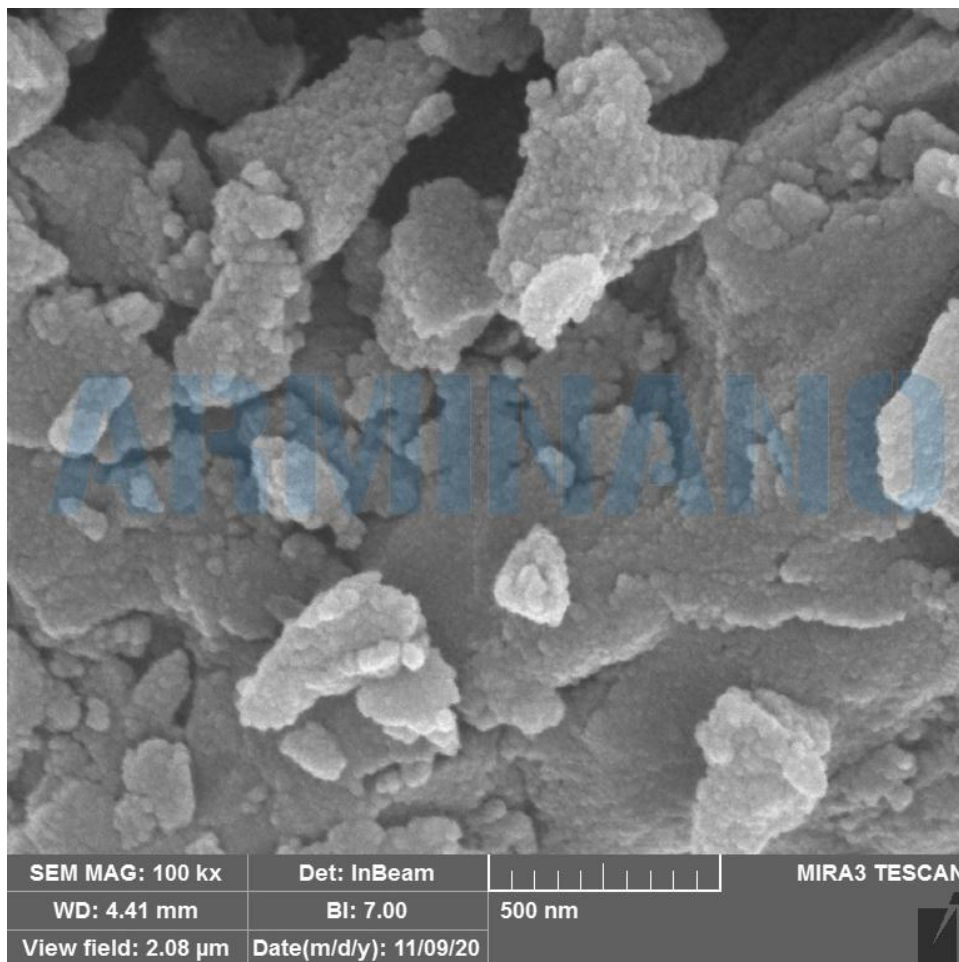
photo catalysis, Lithium ion batteries, optoelectronic and gas sensors, pigments, fungicide, antifouling agent for marine paints

Safety:

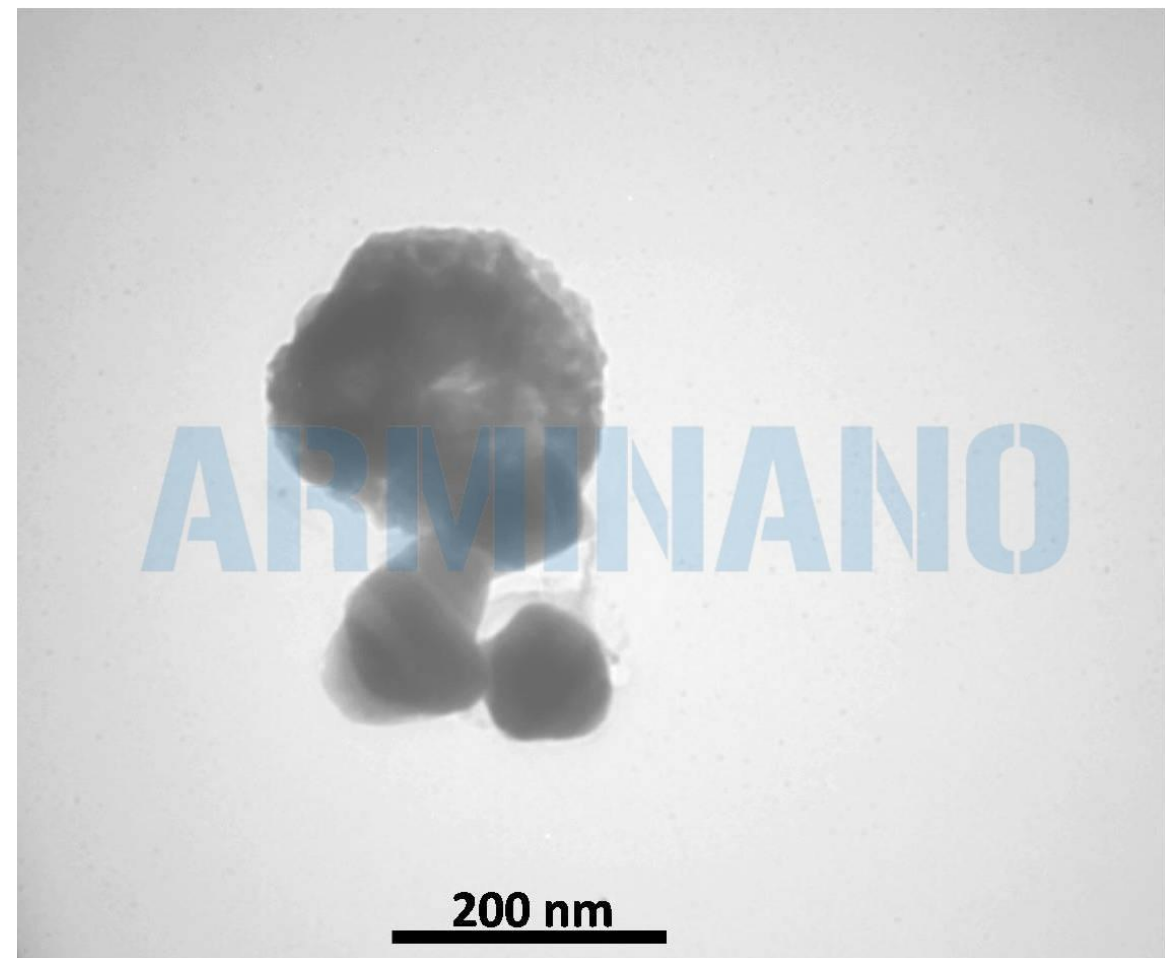
Always use protective gloves and safety glasses.
Wash with soap and water after exposure.
Do not expose to extreme heat or flame.
Refer to MSDS prior to handling this material.



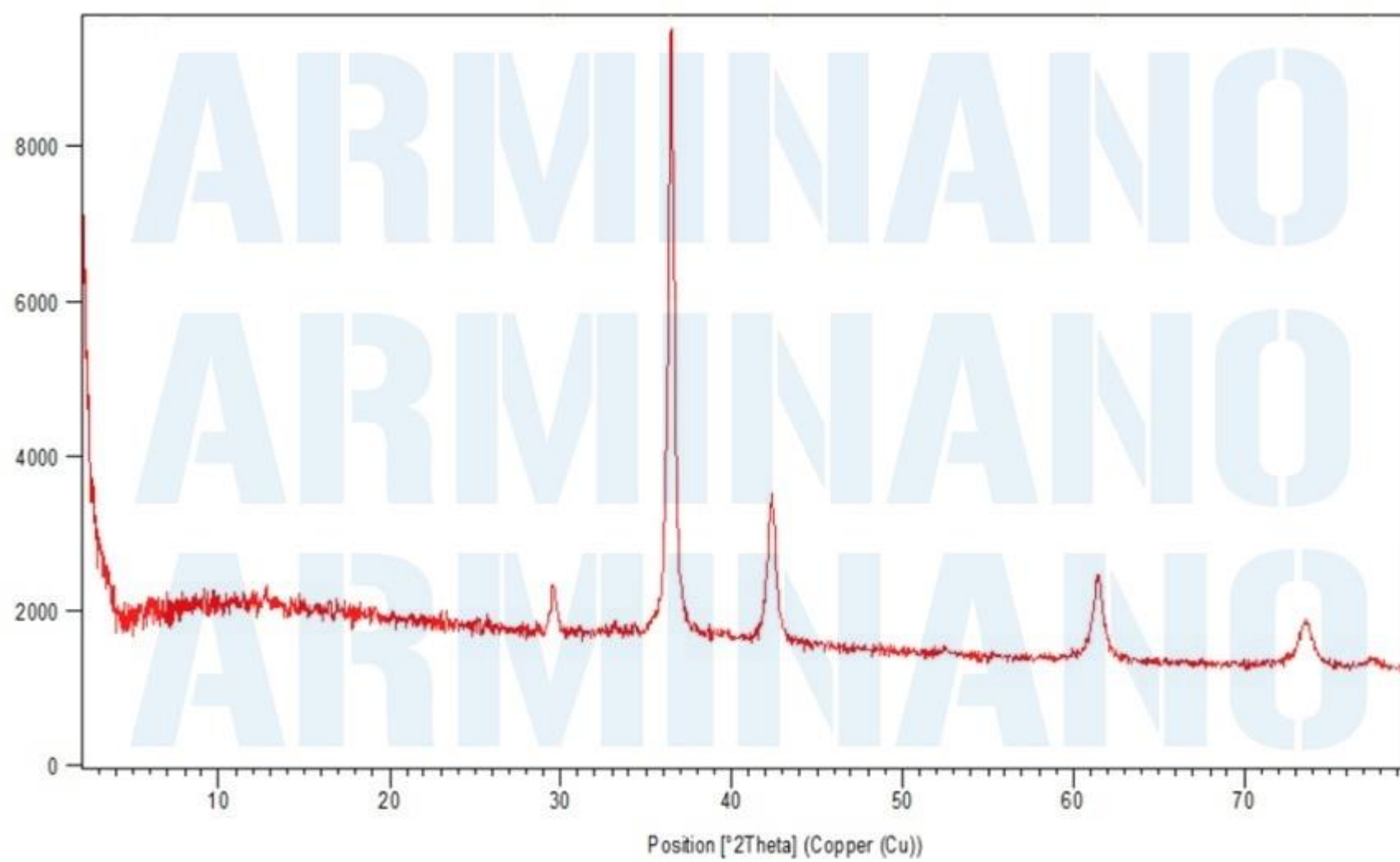
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SEM image of CONP12



TEM image of CONP12



XRD pattern of CONP12

Storage:

Keep it in cool dry place.
Avoid direct sunlight.
Do not freeze.
To disperse sedimented nanoparticles sonication could be used.

Shelf life:

When stored as specified the product is stable for at least 6 months.