

# ZINC OXIDE Dispersion

## ZnO



## APS 3nm

## Quick Facts

<b>Product</b>	:	Zinc Oxide Dispersion Nanotubes
<b>Stock No</b>	:	NS6130-04-479
<b>CAS</b>	:	1314-13-2
<b>Form</b>	:	Liquid
<b>Purity</b>	:	99.9%
<b>Color</b>	:	Milky White
<b>APS</b>	:	3nm
<b>Doping</b>	:	Undoped

Recent research studied on Zinc oxide, dispersion (ZnO) is a multi-function metal oxide with unique physio-chemical properties, which includes high chemical stability, broad range absorption spectra and high electrochemical characteristics. The high surface area and surface energy which are responsible for the beneficial effects of nanomaterials cause agglomeration of particles which leads to poor quality dispersions. It can also be categorized as a semiconductor due to its high energy band width and high thermal stability that make it potentially useful in electronics and optoelectronics applications. Zinc oxide nanodispersions exhibit antibacterial anti corrosive antifungal and UV filtering properties.

## Applications

- ✓ Pottery field: sinter temperature can be reduced 40-60 centigrade in pottery.
- ✓ Fibre and textile: effectively screen ultraviolet radiation and infrared ray.
- ✓ Sunproof cosmetic: effective UV-resistance and antibacterial property.
- ✓ It has low toxicity and biocompatibility, which facilitate its applications in biomedicine

**NS6130-04-479**

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