

# Nano-Ceria UV-Blocking Dispersion

## Siddhi Trading Company

Innovators in Liquid Commodities

Nano-Ceria UV-Blocking Dispersion is a high-performance rare earth liquid engineered for advanced applications in coatings, cosmetics, and functional materials. Utilizing nanometer-scale cerium oxide particles dispersed in liquid form, this solution provides exceptional UV absorption and radical scavenging properties. Its liquid state ensures ease of formulation, high dispersion stability, and broad compatibility with both aqueous and non-aqueous systems.

## Key Features & Benefits

- Superior UV protection through ceria nanoparticle absorption.
- High stability dispersion with minimized agglomeration.
- Scavenges free radicals, enhancing anti-aging formulations.
- Transparent finish suitable for cosmetics and coatings.
- Liquid form allows easy integration in formulations.

## Applications

- Cosmetics & Skincare: Sunscreens, anti-aging creams, serums.
- Coatings: UV-protective paints, varnishes, and polymer coatings.
- Functional Materials: Optical films, advanced composites, glass protection.
- Electronics: UV-resistant encapsulants and protective layers.

## Typical Specifications

Appearance	Transparent to slightly milky liquid
Active Ingredient	Nano Cerium Oxide (10–50 nm)
Concentration	10–20 wt%
Dispersion Medium	Water or ethanol-based
pH	6.5 – 8.0
Stability	High dispersion stability, low sedimentation

## Packaging & Handling

Supplied in sealed HDPE bottles, drums, or custom bulk liquid containers. Store in a cool, dry place away from direct sunlight. Gentle agitation recommended before use to ensure uniformity.

## Safety & Regulatory Information

This product is intended for industrial and cosmetic-grade applications. Consult SDS for detailed handling instructions. Non-flammable, but avoid inhalation and prolonged skin contact. Complies with cosmetic regulatory frameworks in multiple regions.

For inquiries, partnerships, or bulk orders:

**Siddhi Trading Company**

Toronto, Canada

Email: [vinay@siddhitrading.com](mailto:vinay@siddhitrading.com)

Website: [www.siddhitrading.com](http://www.siddhitrading.com)