



## DATA SHEET NYACOL® CDP

### NYACOL® CDP – Ceria Dispersible Powder

NYACOL CDP is a new development in nano-sized cerium oxide. The product is a spray-dried powder of 10–20 microns mean size which disperses in water with simple mixing to 25–30 nm particle size. The powder is a free-flowing, light yellow powder of high surface area.

In catalysts or ceramics, this unique product allows a high surface area ceria to be incorporated into a formula without adding water that would normally accompany a colloidal sol.

In water-based coatings, NYACOL ceria is an excellent inorganic, transparent UV absorber. The use of NYACOL CDP enables dosing of the water-based coating without introducing additional water to the system. Figure 2 shows the particle size obtained with simple mixing at 25°C, 40°C, and 70°C in DI water.

#### TYPICAL PROPERTIES

CeO <sub>2</sub> , wt %:	89
pH:	2 – 3
Appearance:	Light Yellow Powder
TGA Profile:	See Figure 1

FIGURE 1 NYACOL CDP TGA in Air

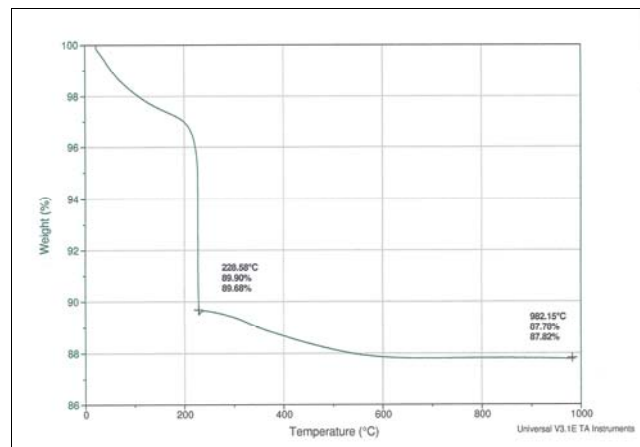
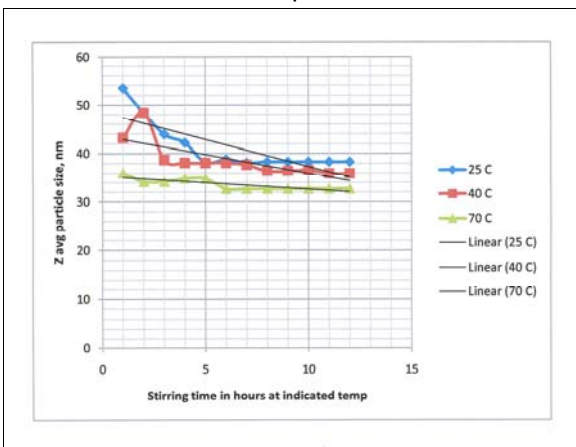


FIGURE 2 30% CeO<sub>2</sub> Dispersion Profile in DI H<sub>2</sub>O



#### PACKAGING

NYACOL CDP is available in 16.5-gallon fiber drums. Customized packaging is available.

#### SAFETY

NYACOL CDP is acidic and may cause eye and skin irritation. Users should observe precautions printed on the package label. A Material Safety Data Sheet for this product will be supplied on request.

#### FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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