

Water-based Dispersant for Pigments & Fillers LD-6409

First, Summary

LD-6409 could prevent the pigment flocculation by steric hindrance. Due to the small size of the stabilized pigment particles, high gloss, high transparency and hiding power could be achieved. Dispersant reduces the viscosity, thus improves the leveling property and increases the pigment content.

Second, Physical properties

Appearance: light brown transparent liquid

Component: high molecular weight block copolymer

Density: 0.9-1.2 g/cm³

Flash point: > 100°C

Solvent: water

Active content: 40%

Third, Advantages and Characteristics

LD-6409 is especially suitable for the production of stable pigment concentrates without resins, that are widely used for the production of general industrial water-borne coating systems without pigment floating. For the best performance, use only pigments, LD-6409 and water (excluding resin, amine and cosolvent) during the grinding process. It is suitable for all kinds of water-borne coating systems.

Fourth, Processing method and Dosage

Before adding the pigment, the dispersant should be mixed with water evenly. Pigment should be added after the dispersant is fully dispersed.

The recommended dosage is:

5-10% upon inorganic pigments;

2-5% upon titanium dioxide;

10-30% upon organic pigments;

30-100% upon carbon black.

Fifth, Storage and Packaging

25KG or 50KG plastic barrel packaging. Seal immediately after opening. May have layering and turbidity when the temperature is below 0°C, in this case heat up to 20°C and evenly mix before use.