Technical Data Sheet

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Enfinol® DSP19

Version: 3

Overview

- Enfinol® DSP19 is a high molecular weight polymeric block copolymer solution with pigment-affinity groups. This additive effectively disperses and stabilizes pigments through steric hindrance stabilization, thereby enhancing gloss, increasing color strength, improving the transparency of transparent pigments and the hiding power of opaque pigments, effectively reducing the viscosity of the pigment system, improving flow properties, and increasing pigment loading.

Product Features

- Excellent broad-spectrum pigment dispersibility and stability
- Improve the color strength and stability of pigment concentrate
- Effectively improve the salt spray resistance of paint film
- Effectively improve water resistance
- Low VOC

Physical Properties

Product Typical Values	
Appearance（25℃）	Light yellow liquid
Solvent	Water
Density（20℃，g/cm^3）	1.06
Non-volatile content（%）	40
Acid value（mg KOH/g）	10

Application

- Waterborne coating
- Printing ink
- Adhesive/Sealant

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Use Method

- The additive is mixed with water, and the pigment can only be added after the additive is fully dispersed and uniform
- Grinding can only be done in water (no resin, amine or solubilizer)
- Recommended add amount:

Inorganic pigment：	20-30%
Titanium：	10-12%
Organic pigment：	30-75%
Carbon black pigment：	130-150%
Filler	1-3%

Above is the recommended dosage, the best dosage needs to be determined by a series of experiments

Packaging & Storage

- 20kg、200kg & 1000 kg/Barrel
- Storage or transportation at temperatures below 0℃ may cause stratification or turbidity. Heat to 20℃ and stir before use.
- Shelf life---12 months

Service Restrictions

- This product has not been tested and also not specifically stated for medical or pharmaceutical using. It may not be used for human injection or consumption

Limited Warranty Information - Please read carefully

- The content of this product data sheet is based on the products owned by my company, and is provided for reference only
- Due to the numerous formulations, production, and application conditions, customers should pre-test the adaptability of my company's products before using them to determine their performance, efficiency, and safety
- The suggestions we provide shall not be considered as a cause of any patent infringement. The sole responsibility of our company is to refund the money or exchange it for a product with same value
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