Technical Data Sheet

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Enfinol® DSP4163

Version: 1

Performance Overview

- Enfinol® DSP4163 is a wetting and dispersing agent for solvent-based coatings and pigment concentrates. Its chemical composition is a modified polyurethane solution, which has broad compatibility, can stabilize various pigments, enhance the gloss, hiding power, and color intensity of coatings, and reduce the viscosity of the slurry.

Product Features

- Extensive compatibility
- Stabilization and Dispersion of Various Pigments by Space Steric and Charge Repulsion Mechanism
- Solvent-based general pigment concentrate suitable for grinding with aldehyde or acrylic resin

Physical Property

Products Typical Data

Density (20℃, g/cm^3) :	0.99
Non-volatile matter (%) :	45
Flash point (closed cup, °C):	28
Amine value (mg KOH/g) :	10
Solvent :	Xylene/butyl acetate/propylene glycol methyl ether acetate

Application

- It is widely used in industrial coatings.
- Suitable for various solvent-based formulations and can also be used for post-treatment of problematic coatings

Use Method

- To achieve optimal performance, the additives should be added to the abrasive first, followed by the pigments.

- Firstly, the resin and solvent components of the abrasive are pre-mixed, then the additives are slowly added under continuous stirring. The pigments should not be added until the additives are thoroughly mixed.
- Recommended addition amount :

Inorganic pigments	15-20%
Titanium dioxide	4-5%
Organic pigments	30-60%
Carbon black	80-100%

*The specific addition is based on the experiment.

Packaging & Storage

- 20kg、200kg & 1000 kg/Barrel
- Store in the original container and keep it in a cool, dry place, away from direct sunlight.
- Shelf life of 12 months from the date of production

Service Restrictions

- This product has not been tested nor has it been specifically stated that it is suitable for medical or pharmaceutical use. 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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