Technical Data Sheet

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Enfinol® DSP4161

Version: 2

Performance Overview

- Enfinol® DSP4161 is a solvent-based wetting and dispersing agent for paint and pigment concentrates. Its chemical composition is a modified polyurethane solution with broad compatibility, which can stabilize various organic pigments, enhance the gloss, hiding power, and color intensity of coatings, while reducing the viscosity of the slurry

Product Features

- Extensive compatibility
- The multi-pigment system does not produce floating color and speckling by the mechanism of space steric hindrance and charge repulsion
- The deflocculation effect of this product enhances the gloss, color intensity, transparency, and hiding power of coatings while reducing the viscosity of abrasives

Physical Property

Products Typical Data	
Density (20℃, g/cm^3) :	1.02
Non-volatile matter (%) :	30
Flash point (closed cup, °C):	38
Amine value (mg KOH/g) :	11
Solvent :	6 parts of propylene glycol methyl ether acetate/1 part of butyl acetate

Application

- coating industry: especially suitable for stabilizing ultrafine carbon black and organic pigments, especially two-component polyurethane and baking system

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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	10-15%
Titanium dioxide	5-6%
Organic pigments	30-90%
Carbon black	70-140%

*The specific addition is based on the experiment.

Packaging & Storage

- 20kg、200kg & 1000 kg/Barrel
- When the temperature is below 0℃, stratification or turbidity may occur. Heat to 20℃ and mix thoroughly.
- 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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