Technical Data Sheet

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Enfinol® SF N407

Version: 1

Overview

- Enfinol® SF N407 is an alkyl polyoxyethylene ether nonionic surfactant.

Product Features

- Improving the skin formation phenomenon in water-based coatings
- Enhance the storage stability and mechanical stability of the coating
- Excellent pigment wetting properties
- Free of bactericides and easily biodegradable

Physical Property

Products Typical Data

Appearance	Transparency liquid
Color（APHA）	≤150
Viscosity（mPa.s）	600
Active matter content （%）	70
Cloud point（℃， 1% to 10% NaCl solution）	75
pH（1% aqueous solution ）	6.5
HLB	18

Application

- As an emulsifier in emulsion polymerization, it can also serve as a pigment dispersant in water-based coatings.
- Applied to aqueous color paste systems, particularly suitable for the dispersion of carbon black and organic pigments.
- It can be used as a dispersant in water-based coatings, or as a stabilizer to enhance the compatibility between pigments and polymer matrix resins.
- Can be used as an emulsifier for synthetic aqueous alkyd emulsion

Use Method

- Recommended dosage:

  For emulsion applications, 1 – 3% active ingredient based on monomer content;

  For color pastes, 5 – 35% active ingredient based on pigment content;

  For water-based coatings, 0.1 – 0.5% based on formulation;

  For alkyd emulsions, 2 – 7% active ingredient based on alkyd resin content;

- The optimal addition amount should be determined through a series of tests.

Packaging & Storage

- 20kg、200kg & 1000 kg/Barrel
- Store sealed in the original container. Precipitates may form at temperatures below 10℃, but they will dissolve at 30 – 50℃. Stir before use.
- Shelf life: 12 months from the date of manufacture

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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