Technical Data Sheet

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Enfinol® WDF1

Version: 1

Overview

- Enfinol® WDF1 is an alkynol-based nonionic surfactant.

Product Features

- Self-emulsifying surfactant
- Excellent wetting ability, as well as good foam controlling
- Especially suitable for waterborne systems
- Low static as well as low dynamic surface tension
- Provides good anti-cratering and anti-pinholing performance in water-based baking coatings

Physical Property

Products Typical Data

Appearance (25℃)	Light yellow to yellow transparent liquid
Acid value (mgKOH/g)	≤8.0
Water content (%)	≤4.0
Color (25℃, Gardner）	≤4.5

Application

- Waterborne emulsion: such as acrylic ink
- Waterborne primer: reduces surface tension, prevent pinholes and orange skin in electrophoretic paint.
- Waterborne wood coating: wetting, controlling micro foam during spraying, and uniform color
- Printing ink: prevent surface defect, easy to mix, good color strength
- Ink : Prevent surface defect, easy to mix. Prevent fogging issue, uniform color and foam controlling.

Use Method

- The recommended dosage is 0.2% to 2.0% by total formulation, and the optimal dosage should be determined through a series of tests
- Keep the stirring time at least 15-30 minutes after adding this product
- It is better to add this product after other emulsifiers are added, or mix this product with surfactant evenly, which is conducive to product dispersion
- It’s better for dispersing when add into at low viscosity stage in some high-viscosity-needed formulation

Packaging & Storage

- 20kg、200kg & 1000 kg/Barrel
- Shelf life---12 months

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.
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