



Thetawet™ FS-8225

Short-Chain telomer-based fluorosurfactant

Overview

- Short-Chain Fluorochemical Technology (meets the goal of the US EPA 2010/2015 PFOA Stewardship Program)
- VOC-free, 14% solids water-dispersible anionic fluorosurfactant which is effective at low end-use concentrations
- Powerful low foam wetting and leveling performance for smoother, defect-free coatings
- Does not impart color, or change the optical properties of a coating (beyond potential gloss or DOI - distinctness of image - improvement from higher reflectance)
- Partially replaces coalescent solvents for further VOC formulation reductions
- Orients and concentrates at all liquid interfaces, imparting block resistance, release properties, improved weatherability and soil resistance, and improved open time
- Reduces foaming tendency in paints and coatings, waxes and adhesives
- Readily dilutes in water/alcohol/glycol mixtures with excellent shelf stability
- WERCS ID number: 1720956
- WERCS access number: 11-29-22

Applications

- High solids coatings
- Floor finishes and sealers
- Automotive finishes and top coats
- Lacquers and polishes
- Adhesives
- Industrial and architectural paints & coatings
- Release additive, anti-block
- Mold release

Technical Information

Thetawet FS-8225 is a 14% solids aqueous emulsion. Is a water dispersible, low foam anionic fluorosurfactant. 100% VOC-free, Thetawet FS-8225 is ideal for use in VOC sensitive systems.

Thetawet FS-8225 is an excellent choice for wetting difficult-to-wet surfaces such as plastics, oily substrates, waxy surfaces, and for reduction in coating surface defects. The product also provides enhanced gloss development, improved weatherability, and soil resistance. Surface diffusion properties of this product impart block resistance, mold release, and increased open-time for coatings.

Formulary

Thetawet FS-8225 is dispersible in water, and readily soluble in a range of polar organic solvents such as glycol ethers, alcohols, ketones, acetone and ethyl acetate. Dilution with deionized or softened water is recommended due to sensitivity to hard water.

Recommended use concentrations vary for Thetawet FS-8225 with application, but in general, 0.1-0.5% is recommended for leveling, gloss development and foam control in water based systems. For neat or solvent-based systems, 0.25-0.75% is recommended.

Thetawet FS-8225 is stable as delivered, however for long-term storage of stock solutions, use of a preservative such as Proxel GXL, Nipacide BIT 20 or VeriGuard 19S is recommended, as determined by the formulator.

Typical Properties

PROPERTY	VALUE
Appearance	Off-white to tan emulsion
Odor	Mild
Ionic character	Anionic
Water solubility	Dispersible
pH (as is)	9.0 ± 1.0
Density@25°C	1.14 ± 0.02 g/ml
% Solids	13.0 ± 0.5
Flash point	None
Storage	Perishable if frozen. Also, store below 55°C (131°F)
Shelf life	3 years

Packaging and Handling

Thetawet FS-8225 is available in:
275 gallon totes (Net Wt. 2200 lbs)
55 gallon plastic drums (Net Wt. 440 lbs)
5 gallon pails (Net Wt. 40 lbs)

In spray applications, use a coarse spray device, such as a trigger sprayer or pressurized dispenser, that does not produce respirable fine particles. **DO NOT AEROSOLIZE OR ATOMIZE.** This product can only be used in consumer spray applications in concentrations at or below 0.1 weight percent of active ingredient (0.7% as sold). For further Safety Information, please refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.

DOT Classification: Non-Regulated

Whether you're looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition; please feel free to contact us.

Please refer to back page for important information

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