

Capstone™ FS-93

Fluorosurfactant

Technical Information

Description

Capstone™ FS-93 is a water-soluble, anionic fluorosurfactant that gives extremely low aqueous surface tension with minimal foaming. FS-93 offers excellent wetting, leveling, anti-block, and oil repellency. This ammonia-free fluorosurfactant provides an alternative to surfactants containing APEOs for use in a variety of applications, including architectural coatings, industrial finishes, floor care formulations, wood coatings, and specialty metal cleaners.

Applications

Water-Based Floor Finishes, Waxes, and Polishes

- Provides wetting and enhanced leveling
- Good re-wet characteristics in multi-coat applications
- Reduces cratering and provides faster spreading
- Suggested use rates are 0.01–0.04% active ingredient (A.I.)

Low VOC Architectural Coatings

- Multi-functional additive that provides anti-blocking, oil repellency, and dirt pick-up resistance
- Existing wetting, leveling, and defoaming additives should be adjusted to minimize total surfactants in a formulation to maximize benefit
- Suggested use rates are 0.02–0.05% active ingredient

Useful in metal cleaning applications to improve cleaning efficiency, reduce bath drag out, and provide water break in cleaning parts

Typical Properties

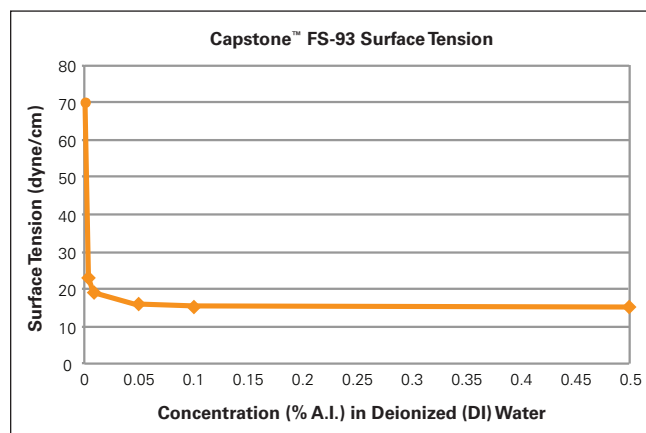
Appearance	Clear, colorless to yellow liquid
pH	7–7.5
Specific Gravity	1.18
Stability	Freeze-thaw stable. Cold storage may cause separation, which will not affect the product performance. Mix well before use.
Composition	17% solids 20% isopropyl alcohol
Shelf Life	5 years
Flash Point	34 °C (93 °F)

Handling

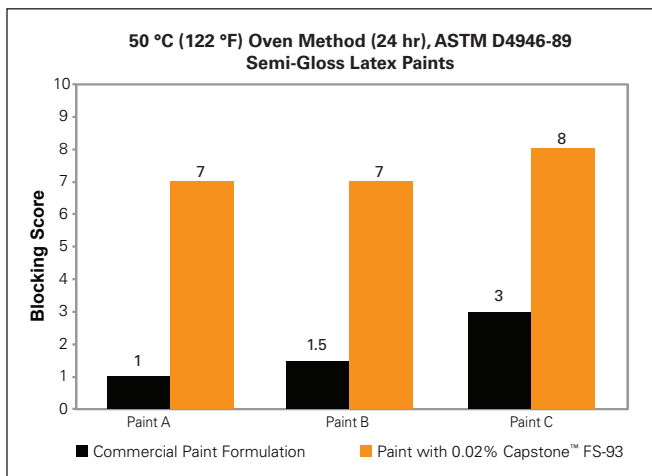
Mix well before use with low agitation, especially when taking a partial sample from the container. For drum size containers, gentle rolling and tilting is sufficient. After addition of product to formulation, use a low shear rate for incorporation. If the product is frozen, warm to room temperature with mild agitation.

Performance

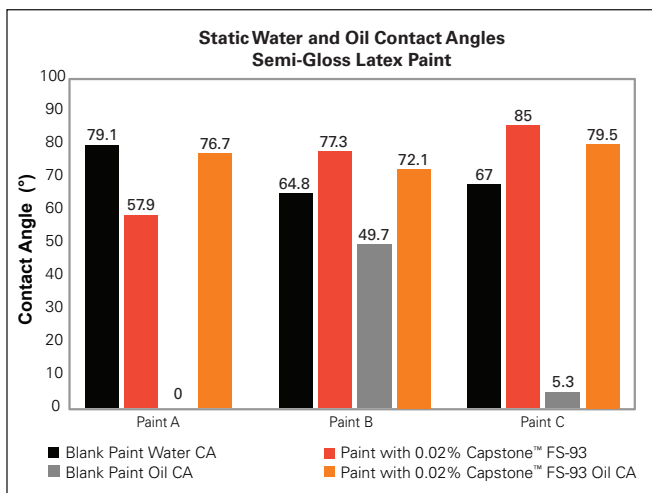
Surface Tension



Block Resistance



Contact Angle



Capstone™ Repellents and Surfactants

- Deliver maximum performance
- Regulatory and stewardship information is available upon request
- Are listed on TSCA inventory

Package Sizes

Drum-440 lb (199.76 kg), Pail-40 lb (18.16 kg)

For questions regarding technical data, commercial supply, and sampling:

Chemours Advanced Performance Materials

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