

Capstone™ FS-63

Fluorosurfactant

Technical Information

Description

Capstone™ FS-63 is a water-soluble, anionic fluorosurfactant that gives low aqueous surface tensions with minimal foaming. FS-63 offers excellent wetting, leveling, anti-block, and dirt pick-up resistance. This fluorosurfactant can be used in a variety of applications, including architectural coatings, industrial finishes, floor care formulations, wood coatings, specialty cleaners, and metal cleaning.

Applications

Water-Based Floor Care (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 0.02–0.05% active ingredient (A.I.) in total formulation by weight

Additive to Low VOC Architectural Coatings

- Multi-functional additive that provides anti-blocking, oil repellency, and dirt pick-up resistance
- Added oil repellency to improve easy-clean features of waterborne paints
- When used in a formulation, existing wetting, leveling, and defoamer additives should be tuned to minimize total surfactants for maximum benefit
- Suggested use rates are 0.02–0.04% A.I. in wet paint by weight

Other Applications

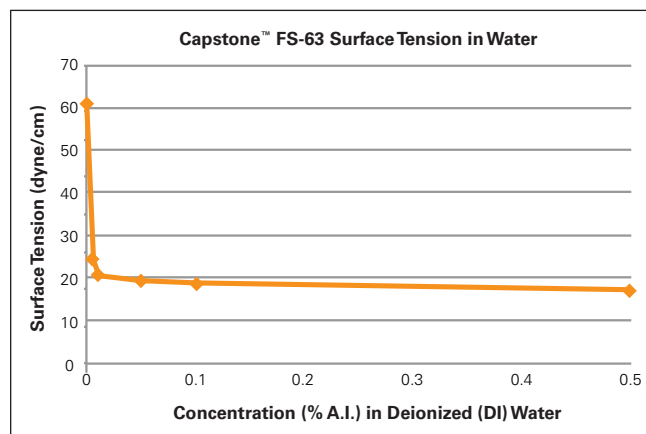
- Useful in metal cleaning applications to improve cleaning efficiency, reduce bath drag-out, and provide water break in parts cleaning

Typical Properties

Appearance	Clear, colorless to yellow liquid
pH	7–8.5
Specific Gravity	1.1
Stability	Freeze-thaw stable. Mix well before use.
Composition	35% solids 20% isopropyl alcohol 45% water
Shelf Life	5 years
Flash Point	26 °C (79 °F)
Foam	Can foam with excessive shaking

Performance

Surface Tension



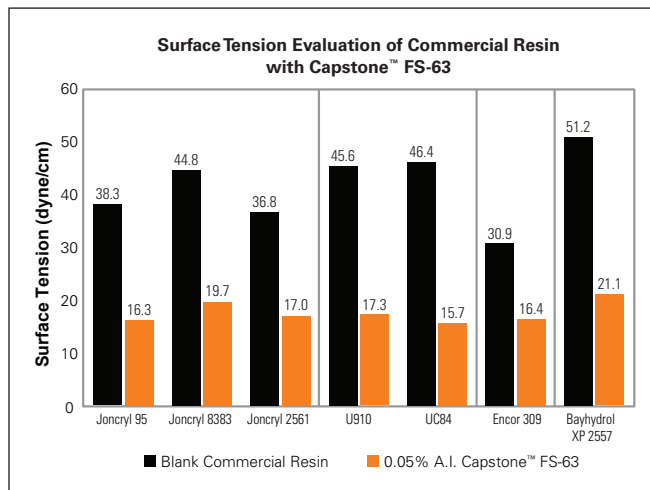
Foaming

- Very low foam; ideal for coatings applications

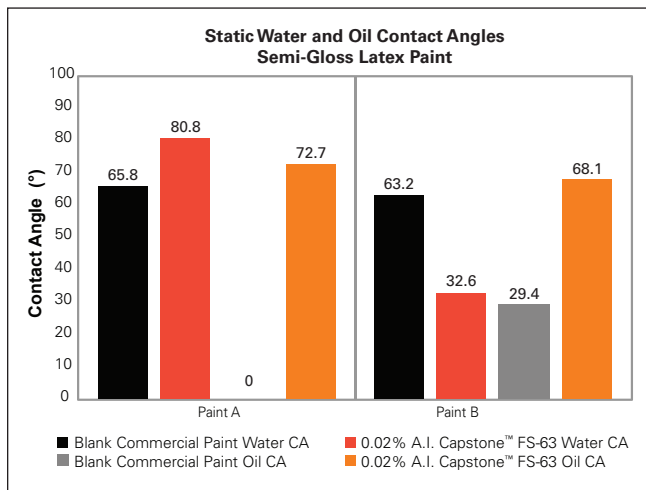
Ross-Miles Foam Volume (mL) at 25 °C (77 °F) at 0.1% Active Ingredient (A.I.)

	Initial	3 min	5 min	10 min
DI Water	5	5	5	5

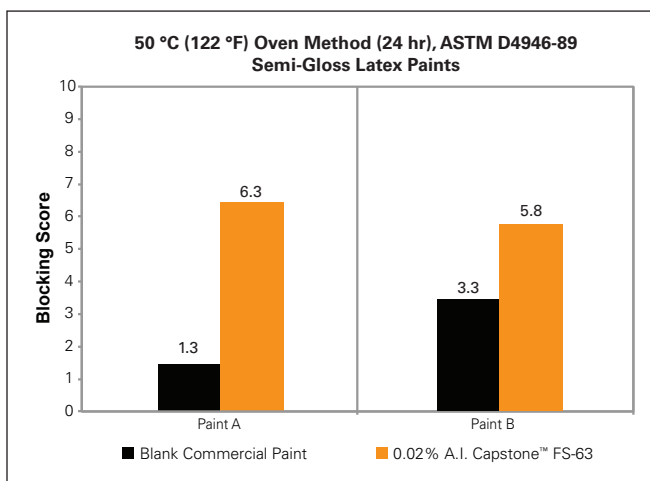
Surface Tension



Contact Angle



Block Resistance



Package Sizes

Drum-440 lb (199.76 kg), Pail-40 lb (18.16 kg), Can-8 lb (3.632 kg)

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

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Capstone™ Repellents and Surfactants

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

For more information, visit www.chemours.com/capstone

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