

DuPont™ Capstone® Fluorosurfactant FS-63

TECHNICAL INFORMATION

Description

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

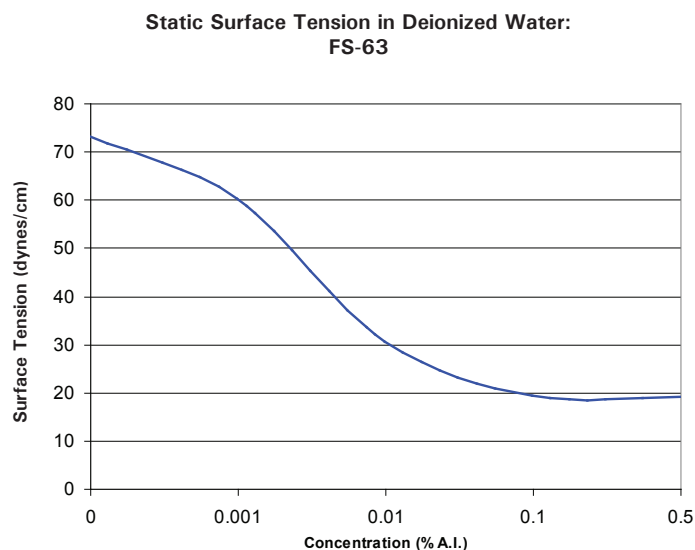
- Water-based floor finishes, waxes and polishes
 - Provides wetting and enhanced leveling
 - Good re-wet characteristics in multi-coat applications
 - Reduces cratering and provides faster spreading
 - Suggested use rates are 0.005-0.02% active ingredient
- Additive to low VOC architectural coatings
 - Multi-functional additive that provides anti-blocking, oil repellency, and dirt pick up resistance
 - Provides low foam with added oil repellency to improve easy-clean features of water-borne paints
 - When using it in a formulation, existing wetting, leveling, and defoamer additives should be tuned to minimize total surfactants for a maximum benefit
 - Suggested use rates are 0.02-0.03% active ingredient in latex paints
- Useful in metal cleaning applications to improve cleaning efficiency, reduce bath drag out and provide water break in parts cleaning

Typical Properties

Appearance	A yellow to amber liquid
pH	7-9
Specific Gravity	1.1
Stability	Freeze-thaw stable. Mix well before use.
Composition	35% solids 20% isopropyl alcohol 45% water
Shelf life	5 years

Performance

Surface Tension



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Foaming

- Effective defoamer; Ideal for coatings applications

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

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

DuPont™ Capstone® Repellents and Surfactants:

- Deliver more sustainable solutions with maximum performance
- Are based on short-chain molecules that cannot break down to PFOA in the environment
- Are supported by an in-depth foundation of data
- Are in compliance with REACH requirements
- Are listed on TSCA inventory
- Meet the goals of the U.S. Environmental Protection Agency 2010/15 PFOA Stewardship Program

For questions regarding technical data, commercialization, and sampling:

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