

Capstone™ FS-61

Fluorosurfactant

Technical Information

Description

Capstone™ FS-61 is a water-based, anionic fluorosurfactant with no intentionally-added VOC that provides extremely low aqueous surface tension only achievable with fluorosurfactants. FS-61 offers excellent wetting, leveling, thin film control, anti-blocking, and oil repellency to water-based coatings systems. The multi-functional properties of FS-61 can help simplify formulations and improve performance.

Applications

Additive to Low VOC Architectural Coatings

- Multi-functional additive that provides anti-blocking, oil repellency, and dirt pick-up resistance
- 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% active ingredient (A.I.) in wet paint by weight

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 0.005–0.02% A.I. in total formulation by weight

Specialty Cleaners

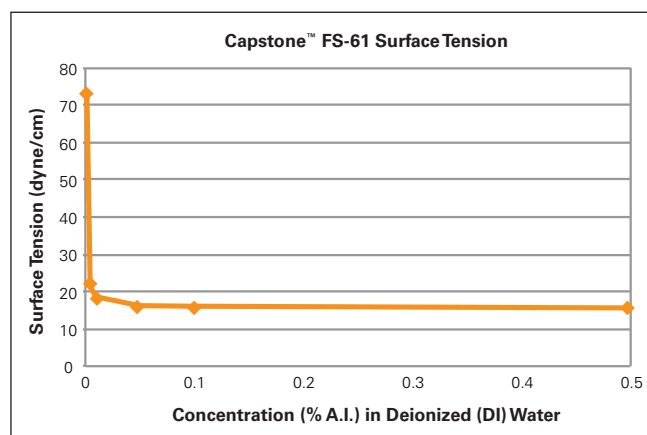
- Lowers surface tension to improve cleaning efficiency in metal cleaning, car washes, and glass cleaners
- Suggested use rates are 0.01–0.03% A.I. in total formulation by weight

Typical Properties

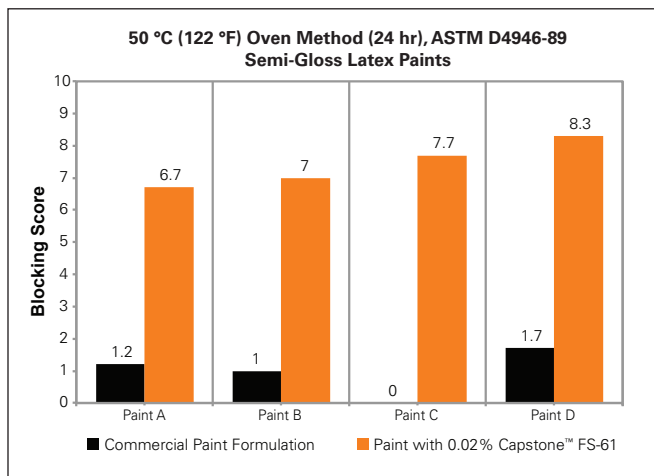
Appearance	Colorless to yellow liquid
pH	7.5–9.0
Specific Gravity	1.1
Flash Point	Does not flash
Stability	This product should be protected from freezing and is intended for use in formulations with a pH range of 6.5–12.0.
Composition	14% solids in water
Shelf Life	2 years
Foam	Can foam with excessive shaking

Performance

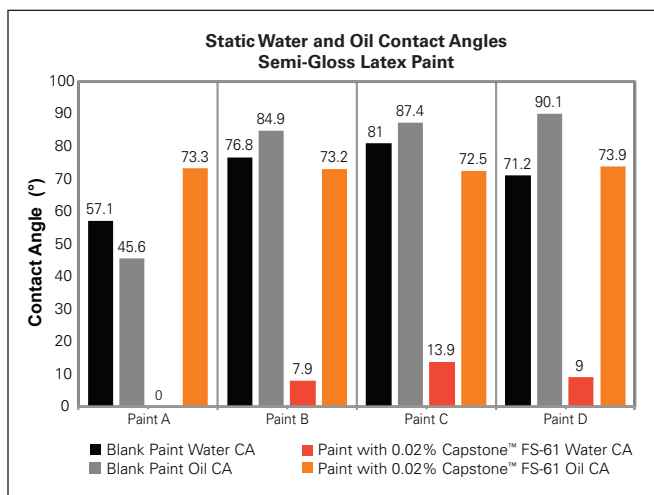
Surface Tension



Block Resistance



Contact Angle



Handling

- Mix well before use.
 - Especially when taking a partial sample from the container
 - For drum size containers, gentle rolling and tilting is sufficient
- This product is perishable if frozen. Keep the product above 0 °C (32 °F) during storage and transportation.
- The viscosity of the product may increase over time or with cold storage, due to the zero VOC nature of this product. A viscosity increase will not affect the product performance.

Capstone™ Repellents and Surfactants

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

Package Sizes

Tote-2,200 lb (998.8 kg), Drum-440 lb (199.76 kg), Pail-40 lb (18.16 kg), Bottle-8 lb (3.632 kg)

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

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