

Capstone™ FS-65

Fluorosurfactant

Technical Information

Description

Capstone™ FS-65 is a water-soluble fluorosurfactant with no intentionally-added VOC that gives low aqueous surface tensions only achievable with fluorosurfactants. FS-65 has a strong nonionic character under all conditions. FS-65 provides good stability, surface tension reduction, and sustainable foaming in brine media. In addition, it provides these same qualities as well as low foaming in aggressive media (acidic and basic). This environmentally preferred fluorosurfactant can be used in a variety of applications, including architectural coatings, industrial finishes, floor care formulations, etching applications, and cleaning solutions.

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 0.005–0.02% active ingredient (A.I.)

Concentrated Cleaning Solutions

- Reduces surface tension and provides excellent wetting to achieve cleanability
- Suggested use rates are 0.005–0.1% A.I.

Aqueous-Based Paints and Inks

- Excellent wetting, leveling, reduced orange peel effect, extend the open time
- Suggested use rates are 0.01–0.1% A.I. in aqueous-based paints

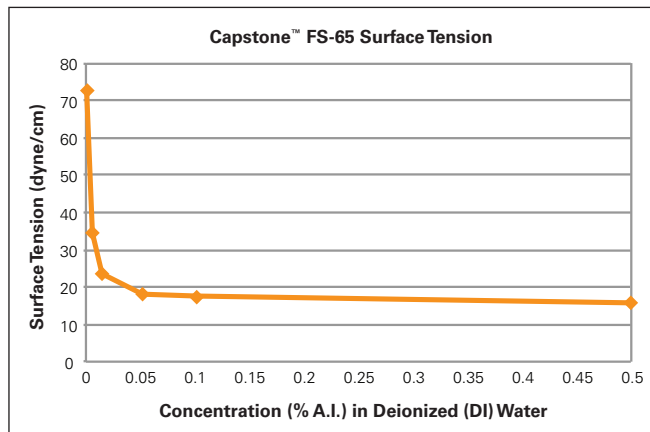
Stability and Surface Activity in Brine and Aggressive (Acidic and Basic) Media

Typical Properties

| | |
|------------------|---|
| Appearance | Colorless to yellow liquid |
| pH | 7.5–9 |
| Specific Gravity | 1.1 |
| Stability | Freeze-thaw stable. Warm the product to room temperature, and mix before use after cold storage. Stable in brine and aggressive media. Mix well before use. |
| Composition | 25% solids in water |
| Shelf Life | 3 years |
| Foam | Can foam with excessive shaking |

Performance

Surface Tension



Foaming

- Low foamer

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 | 71 | 71 | 71 | 71 |

Capstone™ Repellents and Surfactants

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

Package Sizes

Tote-2,220 lb (998.8 kg), Drum-125 lb (56.75 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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