

# DuPont™ Capstone® Fluorosurfactant FS-65

## TECHNICAL INFORMATION

### Description

FS-65 is a **VOC-free**, water-soluble fluorosurfactant 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 good stability, surface tension reduction and 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 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
- Concentrated cleaning solutions
  - Reduces surface tension and provides excellent wetting to achieve cleanability
  - Suggested use rates are 0.005-0.1% active ingredient
- Aqueous-based paints and inks
  - Excellent wetting, leveling, reduced orange peel effect, extend the open-time
  - Suggested use rates are 0.01-0.1% active ingredient in aqueous-based paints
- Stability and surface activity in brine and aggressive (acidic and basic) media

### Biodegradability Status

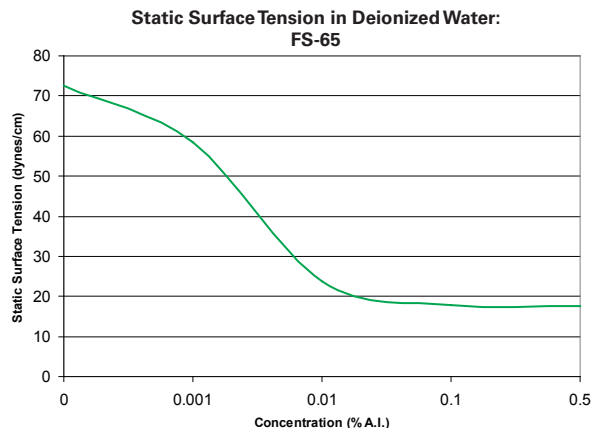
FS-65 was tested by OECD 301B or 67/548/EEC Annex V.C.4-C method and was found to meet the criteria to pass, which is 60% or greater theoretical CO<sub>2</sub> (ThCO<sub>2</sub>) production within 28 days. FS-65 also attained greater than 70% dissolved organic carbon (DOC) removal over the 28 day period. If you have questions regarding the results of this test or the interpretation of the results from this study, please contact your DuPont representative.

### Typical Properties

Appearance	A yellow to dark amber liquid
pH	7-9
Specific Gravity	1.1
Stability	Mix well before use. Freeze-thaw stable. Warm the product to room temperature and mix before use after cold storage. Stable in brine and aggressive media.
Composition	25% solids 75% water
Shelf Life	5 years
Flash Point	Does not flash

### Performance

#### Surface Tension



#### Foaming

- Low Foamer

**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	71	71	71	71



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## DuPont™ Capstone® Repellents and Surfactants:

- Deliver more sustainable solutions with maximum performance
- Are 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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