**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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pale yellow to amber liquid</td>
</tr>
<tr>
<td>pH</td>
<td>7–8.5</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.1 g/mL</td>
</tr>
<tr>
<td>Stability</td>
<td>Freeze-thaw stable. Mix well before use.</td>
</tr>
<tr>
<td>Composition</td>
<td>35% solids 20% isopropyl alcohol 45% water</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>5 years</td>
</tr>
<tr>
<td>Flash Point</td>
<td>26 °C (79 °F)</td>
</tr>
<tr>
<td>Foam</td>
<td>Can foam with excessive shaking</td>
</tr>
</tbody>
</table>

**Performance**

**Surface Tension**

![Capstone™ FS-63 Surface Tension in Water](image_url)

**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.)**

<table>
<thead>
<tr>
<th></th>
<th>Initial</th>
<th>3 min</th>
<th>5 min</th>
<th>10 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>DI Water</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>
Capstone™ Repellents and Surfactants

- Deliver more sustainable solutions with maximum performance
- Are in compliance with REACH requirements
- Are listed on TSCA inventory

For questions regarding technical data, commercialization, and sampling:

**Chemours Fluoroproducts**

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