


TRITON™ CF-21 Surfactant

Product Information

**Chemical
Description**

Name: Low Foam

Surfactant Type: Nonionic

Benefits

- Low Foam
- Excellent wetting
- Alkaline & acid stability

Applications

- Ion Exchange Resin Cleaners
- Metal Cleaners
- Pigment Dispersions
- Pulp & Paper
- Rinse Aids
- Textile Processing
- Wetting Agents

Typical Physical Properties

Active Ingredient, wt%	100
Cloud Point, 1% aq. Soln., °C (°F)	40(104)
HLB (calculated)	12.9
Appearance	Transparent, yellow liquid
pH, 5% aq solution	6
Viscosity at 25°C (77°F), cP	250
Density at 25°C (77°F)	1.040
Flash Pt, Closed Cup, ASTM D93	204°C 400°F
Pour Point, ASTM D97, °C (°F)	-27 (-16)

Typical Performance Properties

Surface Tension ⁽¹⁾	32
Critical Micelle Concentration (CMC), ppm	130
Draves 25 sec wetting conc, wt% at 25°C (77°F)	0.04
Hamilton Beach Foam Test, 0.1% at 50°C (122°F), cm	3.4
at 70°C (158°F)	0.4

⁽¹⁾ 1 wt% actives, dynes/cm

**Solubility and
Compatibility**

- Soluble in water
- Soluble in alcohols, glycols acetone, aromatics, and chlorinated solvents
- Insoluble in highly aliphatic materials
- Poor stability on solid caustic
- Compatible with anionic, cationic, and other nonionic surfactants
- Chemically stable in the presence of alkaline materials, also phosphoric & weaker acids

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