



TERGITOL™ 15-S-20 Surfactant

Product Information

Chemical Description

Name: Secondary Alcohol Ethoxylate

Surfactant Type: Nonionic

Benefits

- Excellent emulsion stabilizer with low reactor residue
- Provides freeze/thaw & ionic stability
- Good handling properties
- High HLB emulsifier & dispersant
- Electrolyte solubility
- High temperature wetting

Applications

- Emulsion polymerization
- Paper & textile processing
- Solid cleaners

Typical Physical Properties

Actives, wt%	100
Cloud Point ⁽¹⁾	>100
HLB ⁽²⁾	16.3
Moles EO	20
Pour Point ⁽³⁾	35
Appearance	White solid
pH, 1% aq solution	6.6
Viscosity at 50°C (122°F), cP	49
Density at 40°C (104°F), g/mL	1.038
Flash Pt, Closed Cup, ASTM D93	232°C 450°F

⁽¹⁾ Cloud point: °C, 1 wt% actives aqueous solution

⁽²⁾ HLB Range: <10 w/o emulsifier, > 10 o/w emulsifier, 10-15 good wetting, 12-15 detergents

⁽³⁾ Pour point: °C

Typical Performance Properties

CMC ⁽⁴⁾	315
Surface Tension ⁽⁵⁾	38
Foam Height ⁽⁶⁾	112/42

⁽⁴⁾ Critical Micelle Concentration: ppm at 25°C

⁽⁵⁾ Surface tension: dynes/cm at 1% actives, 25°C

⁽⁶⁾ Ross-Miles foam height: mm at 0.1 wt% actives, 25°C, initial / 5 minute

Solubility and Compatibility

- Soluble in water
- Soluble in chlorinated solvents and polar organic solvents
- Chemically stable in the presence of dilute acids, bases and salts
- Compatible with anionic, cationic, and other nonionic surfactants

Contact information goes here:

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