



TERGITOL™ TMN-10 (90%) Surfactant

Product Information

Chemical Description

Name: Branched Secondary Alcohol Ethoxylate

Surfactant Type: Nonionic

Benefits

- High-temperature penetrant & dispersant
- High HLB emulsifier
- Narrow gel range

Applications

- Paper & textile processing
- Pigment & wax/resin dispersants
- Cleaners
- Paints & coating

Typical Physical Properties

Actives, wt%	90
Diluent	water
Cloud Point (1)	76
HLB (2)	14.4
Moles EO	11
Pour Point(3)	-19
Appearance	Pale yellow liquid
pH, 1% in 10:6 isopropanol/water	6.4
Viscosity at 25°C (77°F), cP	96
Density at 20°C (68°F), g/mL	1.042
Flash Pt, Closed Cup, ASTM D93	None

(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)	1313
Surface Tension(5)	30
Foam Height(6)	118/28
Draves 20 sec wetting conc, wt% at 25°C (77°F)/ 50°C (122°F)	0.08/0.05

(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 most polar and non-polar solvents and oils
- Chemically stable in the presence of dilute acids, bases and salts
- Compatible with soaps, anionic and cationic surfactants, and many organic solvents

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<http://www.dow.com/surfactants>

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