



TERGITOL™ TMN-6 (90%) Surfactant

Product Information

Chemical Description

Name: Branched Secondary Alcohol Ethoxylate

Surfactant Type: Nonionic

Benefits

- Superior wetting agent
- Penetrant & dispersant
- Narrow gel range
- Silicone emulsifier

Applications

- Paper & textile processing
- Pigment & wax/resin dispersants
- Hard surface cleaners
- Agrochemicals
- Paints & coatings

Typical Physical Properties

Actives, wt%	90
Diluent	Water
Cloud Point ⁽¹⁾	36
HLB ⁽²⁾	13.1
Moles EO	8
Pour Point ⁽³⁾	<-40
Appearance	Pale yellow liquid
pH, 10% aq solution	5.4
Viscosity at 25°C (77°F), cP	71
Density at 20°C (68°F), g/mL	0.994
CMC ⁽⁴⁾	800
Surface Tension ⁽⁵⁾	27
Foam Height ⁽⁶⁾	130/22
Draves 20 sec wetting conc, wt% at 25°C (77°F)	0.05
at 50°C (122°F)	0.03
Flash Point	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

⁽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 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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