



TERGITOL™ NP-10 Surfactant  
Product Information

Chemical  
Description

Name: Nonylphenol Ethoxylate

Surfactant Type: Nonionic

Benefits

- Excellent detergency
- Outstanding wetting
- Versatile solubility characteristics
- Exceptional handling properties
- Low odor
- Excellent rinseability

Applications

- Cleaners & detergents
- Paper & textile processing
- Paints & coatings
- Agrochemicals
- Metalworking fluids

Typical Physical Properties

Actives, wt%	100
Cloud Point <sup>(1)</sup>	63
HLB <sup>(2)</sup>	13.2
Moles EO	10
Pour Point <sup>(3)</sup>	6
Appearance	Pale yellow liquid
pH, 1% aq solution	6
Viscosity at 25°C (77°F), cP	237
Density at 20°C (68°F), g/mL	1.060
Flash Pt, Closed Cup, ASTM D93	197°C 387°F

<sup>(1)</sup> Cloud point: °C, 1 wt% actives aqueous solution

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

<sup>(3)</sup> Pour point: °C

Typical Physical Properties

CMC <sup>(4)</sup>	55
Surface Tension <sup>(5)</sup>	33
Foam Height <sup>(6)</sup>	115/110
Draves 20 sec wetting conc, wt% at 25°C (77°F)	0.06
at 60°C (122°F)	0.04

<sup>(4)</sup> Critical Micelle Concentration: ppm at 25°C

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

<sup>(6)</sup> 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 solvents
- Chemically stable in the presence of dilute acids, bases and salts
- Compatible with soaps, anionic and other nonionic surfactants, and many organic solvents

**Contact information goes here:**

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

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