



## TERGITOL™ NP-7 Surfactant

### Product Information

#### Chemical Description

Name: Nonylphenol Ethoxylate

Surfactant Type: Nonionic

#### Benefits

- Excellent detergency
- Outstanding wetting
- Versatile solubility characteristics
- Low odor

#### Applications

- Cleaners & degreasers
- Paper & textile processing
- Prewash spotters
- Agrochemicals
- Metalworking fluids
- Oilfield chemicals

#### Typical Physical Properties

Actives, wt%	100
Cloud Point <sup>(1)</sup>	20
HLB <sup>(2)</sup>	12.0
Moles EO	7
Pour Point <sup>(3)</sup>	-19
Appearance	Pale yellow liquid
pH, 5% aq solution	6
Viscosity at 25°C (77°F), cP	221
Density at 20°C (68°F), g/mL	1.044
Flash Pt, Closed Cup, ASTM D93	174°C 346°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 Performance Properties

CMC <sup>(4)</sup>	39
Surface Tension <sup>(5)</sup>	32
Foam Height <sup>(6)</sup>	20/19

<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 min

## 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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Form No. 119-01915-1107