



TERGITOL™ NP-6 Surfactant
Product Information

Chemical
Description

Name: Nonylphenol Ethoxylate

Surfactant Type: Nonionic

Benefits

- Excellent emulsifier
- Wetting agent
- Stabilizer
- Couples detergent range nonionics into hydrocarbon systems

Applications

- Cleaners & degreasers
- Dry cleaning
- Adhesives
- Agrochemicals

Typical Physical Properties

Actives, wt%	100
Cloud Point ⁽¹⁾	Insoluble
HLB ⁽²⁾	10.9
Moles EO	6
Pour Point ⁽³⁾	-26
Appearance	Pale yellow liquid
pH, 5% aq solution	7.3
Density at 25°C (77°F), g/mL	1.039
Flash Pt, Closed Cup, ASTM D93	281°C 425°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⁾	Insoluble
Surface Tension ⁽⁵⁾	Insoluble
Foam Height ⁽⁶⁾	Insoluble

⁽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

- Dispersible 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 other nonionic surfactants, and many organic solvents

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

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