



TERGITOL™ NP-30 Surfactant

Product Information

Chemical Description

Name: Nonylphenol Ethoxylate

Surfactant Type: Nonionic

Benefits

- Highly water-soluble emulsifier & stabilizer
- Effective at high temperatures
- Excellent detergency
- Versatile solubility characteristics
- Low odor
- Outstanding wetting

Applications

- Wetting agents & stabilizers
- Emulsifiers & dispersants
- Agrochemicals

Typical Physical Properties

Actives, wt%	100
Cloud Point ⁽¹⁾	>100
HLB ⁽²⁾	17.1
Moles EO	30
Pour Point ⁽³⁾	37
Appearance	Waxy white solid
Viscosity at 25°C (77°F), cP	Solid
Density at 20°C (68°F), g/mL	Solid
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⁾	157
Surface Tension ⁽⁵⁾	46
Foam Height ⁽⁶⁾	125/77

⁽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 solvents
- 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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