



TERGITOL™ 15-S-9 Surfactant  
Product Information

Chemical  
Description

Name: Secondary Alcohol Ethoxylate

Surfactant Type: Nonionic

Benefits

- Superior detergency
- Rapid dissolution & good rinseability
- Low odor
- Narrow gel range
- Excellent formulation & handling properties
- Readily biodegradable (OECD 301E)

Applications

- Paints & coatings
- High performance cleaners
- Agrochemicals
- Pulp & paper
- Textile
- Oilfield

Typical Physical Properties

Actives, wt%	100
Cloud Point <sup>(1)</sup>	60
HLB <sup>(2)</sup>	13.3
Moles EO	9
Pour Point <sup>(3)</sup>	9
Appearance	Pale yellow liquid
pH, 1% aq solution	7.1
Viscosity at 25°C (77°F), cP	60
Density at 20°C (68°F), g/mL	1.006
Flash Pt, Closed Cup, ASTM D93	193°C 380°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>	52
Surface Tension <sup>(5)</sup>	30
Foam Height <sup>(6)</sup>	124/43
Draves 20 sec wetting conc, wt%	
at 25°C (77°F)	0.06
at 50°C (122°F)	0.05

<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 organic solvents
- Chemically stable in the presence of dilute acids, bases and salts
- Compatible with anionic, cationic, and other nonionic surfactants

**Contact information goes here:**

North America: 1-800-447-4369

Europe: (+32) 3-450-2240

Asia/Pacific: (+852) 2879 7339

Other areas: 1-989-832-1556

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

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