



Technical Data Sheet

TERGITOL™ 15-S-5 Surfactant

Product Information

Chemical Description

Name: Secondary Alcohol Ethoxylate

Surfactant Type: Nonionic

Sustainability Attribute:



Uses / Applications

- Paints and coatings
- Cleaners
- Prewash spot removers
- Agrochemicals

- Dry cleaners
- Textile
- Oilfield

Benefits

- Excellent emulsifier and detergent
- Enhances paint associative thickener efficiency
- Aids in rinseability of solvent-based systems

Typical Physical Properties

Property	Unit	Result
Actives	wt%	100
Cloud Point ¹		Dispersible
HLB ²		10.5
Moles EO		5
Pour Point ³		-25
Appearance		Pale yellow liquid
Viscosity at 25°C (77°F)	cP	35
Density at 20°C (68°F)	g/mL	0.963
Flash Pt, Closed Cup, ASTM ⁴ D93	°C (°F)	178 (352)

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
4. ASTM: American Society for Testing and Materials

Typical Performance Properties

Property	Unit	Result
CMC ¹		Dispersible
Surface Tension ²		Dispersible
Foam Height ³		Dispersible

1. Critical Micelle Concentration: ppm at 25°C
2. Surface tension: dynes/cm at 1% actives, 25°C
3. 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 organic solvents and oils
- Chemically stable in the presence of dilute acids, bases and salts
- Compatible with anionic, cationic, and other nonionic surfactants

Contact:

www.dow.com/contact

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