



Technical Data Sheet

TERGITOL™ L-101 Surfactant

Product Information

Chemical Description

Name: Polyether polyol

Surfactant Type: Nonionic

Sustainability Attribute:



Uses / Applications

- Fermentation processes
- Metalworking fluids
- General defoamer
- Paints and coatings

- Emulsion polymerization
- Textile production
- Bottle washing

Benefits

- Low-temperature foam control
- High thermal and chemical stability
- Good steric stabilizer

- Good wetting
- Rinseability

Typical Physical Properties

Property	Unit	Result
Actives	wt%	100
Cloud Point ¹		18
HLB ²		1
Moles EO		Proprietary
Pour Point ³		-24
Appearance		Pale yellow liquid
Viscosity at 38°C (100°F)	cSt	399
Density at 25°C (77°F)	g/mL	1.018
Flash Pt, Closed Cup, ASTM ⁴ D93	°C (°F)	216 (420)

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		
Surface Tension ²		33
Foam Height ³		30/25
Draves 20 Sec Wetting Conc, at 25°C (77°F)	wt%	0.11

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

- Slightly soluble in water
- Soluble in organic solvents including ethanol, toluene and xylene

Contact:

www.dow.com/contact

NOTICE: No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

