



TERGITOL™ XDLW Surfactant

Product Information

Chemical Description

Name: Alkyl EO/PO Copolymer

Surfactant Type: Nonionic

Benefits

- Excellent steric and freeze/thaw stabilizer
- Effective pigment & carbon black dispersant
- Excellent for aromatic, chlorinated & other difficult to emulsify compounds
- Good solubility in the presence of salts or electrolytes

Applications

- Agrochemicals
- Paints & coatings dispersions
- Iodophors
- Emulsion polymerization

Typical Physical Properties

Cloud Point ⁽¹⁾	74
HLB ⁽²⁾	-
Moles EO	Proprietary
Pour Point ⁽³⁾	< 11
Appearance	Liquid
pH, 5% aq solution	6.5
Viscosity at 20°C (68°F), cSt	3556
Density at 20°C (68°F), g/mL	1.053
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⁾	-
Surface Tension ⁽⁵⁾	32
Foam Height ⁽⁶⁾	100 / 45

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

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

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