

**TERGITOL™ BA-9 Surfactant**

Product Information

Chemical Description

Name: Alcohol Ethoxylate

Surfactant Type: Nonionic

Benefits

- Excellent detergency
- No gel range
- Low odor
- Readily biodegradable
- Aquatic toxicity EC₅₀ > 10 mg/L
- Fast dissolution

Applications

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

Typical Physical Properties

Cloud Point ⁽¹⁾	61
HLB ⁽²⁾	12.5
Moles EO	NA
Pour Point ⁽³⁾	16 °C
Appearance	Pale yellow liquid
pH, 1% aq solution	6.5
Viscosity at 40 °C (104 °F), cSt	51.000
Density at 20 °C (68 °F), g/mL	1.0237
Flash Pt, Closed Cup, ASTM D93	290 °C 554 °F

⁽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⁾	1066
Surface Tension ⁽⁵⁾	31

⁽⁴⁾ Critical micelle concentration: ppm at 25°C

⁽⁵⁾ Surface tension: dynes/cm at 1% actives, 25°C

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

Product Stewardship

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