



## ECOSURF™ EH-9 Surfactant

### Product Information

#### Chemical Description

Name: Alcohol Ethoxylate  
Surfactant Type: Nonionic

#### Benefits

- Superior wetting
- Excellent oily soil removal
- Rapid dissolution & good rinseability
- Low odor
- No gel range
- Outstanding formulation & handling properties
- Readily biodegradable
- Aquatic toxicity EC<sub>50</sub> > 10 mg/L

#### Applications

This product is suitable for use in applications such as:

- Hard surface cleaners
- High performance cleaners
- Concentrates
- Paints & coatings
- Pulp & paper
- Textile
- Agrochemicals

#### Typical Physical Properties

These properties are typical but do not constitute specifications.

Cloud Point <sup>1</sup>	64
Cloud Point <sup>2</sup>	61°C
HLB <sup>3</sup>	12.5
Moles EO	Proprietary
Pour Point <sup>4</sup>	16°C
Appearance	Pale yellow liquid
pH, 1% aq solution	6.2
Viscosity at 40°C (104°F), cSt	49.398
Density at 20°C (104°F), g/mL	1.0069
Flash Pt, Closed Cup, ASTM D93	288°C 550°F

<sup>1</sup> Cloud point: °C, 10 wt% actives in 25:75 Butyl Carbitol:Water

<sup>2</sup> Cloud point: °C, 10 wt% actives aqueous solution

<sup>3</sup> HLB Range: < 10 w/o emulsifier, >: 10 o/w emulsifier, 10-15 good wetting, 12-15 detergents

<sup>4</sup> Pour point: °C

## Typical Performance Properties

CMC <sup>5</sup>	1066
Surface Tension <sup>6</sup>	31

<sup>5</sup>Critical micelle concentration: ppm at 25°C

<sup>6</sup>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

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