

**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 EC₅₀ > 10 mg/L

Applications

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

Typical Physical Properties

Cloud Point ⁽¹⁾	64
HLB ⁽²⁾	12.5
Moles EO	NA
Pour Point ⁽³⁾	16°C
Appearance	Pale yellow liquid
pH, 1% aq solution	6.2
Viscosity at 40°C (104°F), cSt	50-52 cSt
Density at 40°C (104°F), g/mL	1.0069
Flash Pt, Closed Cup, ASTM D93	288°C 550°F

⁽¹⁾ Cloud point: °C, 10 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

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

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