



ECOSURF™ EH-3 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⁾	52
HLB ⁽²⁾	7.9
Moles EO	NA
Pour Point ⁽³⁾	-21°C
Appearance	Pale yellow liquid
pH, 1% aq solution	6.2
Viscosity at 40°C (104°F), cSt	25.143
Density at 40°C (104°F), g/mL	0.9651
Flash Pt, Closed Cup, ASTM D93	232°C 450°F

⁽¹⁾ Cloud point: °C, 10 wt% actives in 25:75 Butyl Carbitol:Water

⁽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⁾	480
Surface Tension ⁽⁵⁾	30

⁽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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