



## Technical Data Sheet

### ECOSURF™ EH-3 Surfactant

#### Chemical Description

Name: Alcohol Ethoxylate Surfactant

Type: Nonionic

#### Sustainability Attribute:



#### Benefits

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

#### Applications

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

#### Typical Physical Properties

Property	Unit	Result
Cloud Point <sup>1</sup>		52
HLB <sup>2</sup>		7.9
Moles EO		NA
Pour Point <sup>3</sup>	°C	-21
Appearance		Pale yellow liquid
pH, 1% aq solution		6.2
Viscosity at 40°C (104°F)	cSt	23–25
Density at 40°C (104°F)	g/mL	0.9651
Flash Pt, Closed Cup, ASTM <sup>4</sup> D93	°C (°F)	232 (450)

1. Cloud point: °C, 10 wt% actives in 25:75 Butyl Carbitol:Water
2. HLB Range: < 10 o/w emulsifier, > 10–15 good wetting, 12–15 detergents
3. Pour point: °C
4. ASTM: American Society for Testing and Materials

## Typical Performance Properties

Property	Unit	Result
CMC <sup>1</sup>		480
Surface Tension <sup>2</sup>		30

1. Critical micelle concentration: ppm at 25°C
2. 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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