



ECOSURF™ EH-40 (75% actives) Surfactant

Product Information

Chemical Description

Name: Alcohol Ethoxylate

Surfactant Type: Nonionic

Benefits

- Emulsion stabilizer
- Provides freeze/thaw & ionic stability
- Low odor
- Electrolyte solubility
- Good handling properties

Applications

- Emulsion polymerization
- Paints & coatings
- Floor polish & wax emulsions

Typical Physical Properties

Actives, wt%	75
Diluent	Water
Cloud Point ⁽¹⁾	>100
HLB ⁽²⁾	18
Moles EO	40
Pour Point ⁽³⁾	3
Appearance	Pale yellow, liquid
pH, 1% aq solution	6.5
Viscosity at 40°C (104°F), cSt	472
Density at 40°C (104°F), g/mL	1.073

⁽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⁾	8454
Surface Tension ⁽⁵⁾	46
Foam Height ⁽⁶⁾	100 / 45

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

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

⁽⁶⁾ Ross-Miles foam height: mm at 0.1 wt% actives, 25°C, initial / 5 minute

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

Contact information:

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