



Technical Data Sheet

ECOSURF™ SA-7 Surfactant

Chemical Description

Name: Seed oil surfactant
Surfactant Type: Nonionic

Sustainability Attribute:



Uses / Applications

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

Benefits

- Superior wetting
- Excellent detergency
- Rapid dissolution & good rinseability
- Low odor
- No gel range
- Outstanding formulation & handling properties
- Readily biodegradable

Typical Physical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Cloud Point ¹		37
HLB ²		9.7
Moles EO		NA
Pour Point ³	°C	< 4
Appearance		Pale yellow liquid

1. Cloud point: °C, 1 wt% actives aqueous solution
2. HLB Range: < 10 w/o emulsifier, > 10 o/w emulsifier
3. Pour point: °C

Typical Physical Properties (Cont.)

Property	Unit	Result
pH, 1% aq solution		7.1
Viscosity at 40°C (104°F)	cSt	21.799
Density at 40°C (104°F)	g/mL	0.9599
Flash Pt, Closed Cup, ASTM ⁴ D93	°C (°F)	193 (380 est)

4. ASTM: American Society for Testing and Materials

Typical Performance Properties

CMC ¹	17
Surface Tension ²	29
Foam Height ³	100 / 20

1. Critical micelle concentration: ppm at 25°C
2. Surface tension: dynes/cm at 1% actives, 25°C
3. 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

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