



ECOSURF™ EH-6 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

This product is suitable for use in applications such as:

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

Typical Physical Properties

These properties are typical but do not constitute specifications.

Cloud Point ¹	43
Cloud Point ²	40°C
HLB ³	10.8
Moles EO	Proprietary
Pour Point ⁴	5°C
Appearance	Pale yellow liquid
pH, 1% aq solution	6.2
Viscosity at 40°C (104°F), cSt	36.830
Density at 20°C (104°F), g/mL	0.9897
Flash Pt, Closed Cup, ASTM D93	263°C 505°F

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

² Cloud point: °C, 1 wt% active aqueous solution

³ HLB Range: < 10 w/o emulsifier, >: 10 o/w emulsifier, 10-15 good wetting, 12-15 detergents

⁴ Pour point: °C

Typical Performance Properties

CMC ⁵	914
Surface Tension ⁶	30

⁵Critical micelle concentration: ppm at 25°C

⁶Surface 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

Notice: No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

ECOSURF™ is a trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.

The suggestions and data in this document are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. The prospective user is responsible for determining whether our products and the information in this document are appropriate for your use, and for ensuring your workplace and disposal practices are in compliance with applicable laws and other governmental requirements. These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

Suggestions for uses of our products or the inclusion of descriptive material from patents and the citation of specific patents in this publication should not be understood as recommending the use of our products in violation of any patent or as permission or license to use any patents of The Dow Chemical Company.



®™* Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

119-02242-0109
2009