



Technical Data Sheet

TERGITOL™ EH-9 Surfactant

Uses / Applications

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

Sustainability Attribute:



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

Typical Properties

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

Test	Property	Unit	Result
	Cloud Point ¹		64
	HLB ²		12.5
	Moles EO		NA
	Pour Point ³	°C	16
	Appearance		Pale yellow liquid
	pH, 1% aq Solution		6.2
	Viscosity at 40°C (104°F)	cSt	49.398
	Density at 40°C (104°F)	g/mL	1.0069
ASTM ⁴ D93	Flash Pt, Closed Cup	°C	288
		°F	550

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
4. ASTM: American Society for Testing and Materials

Typical Performance Properties

Property	Unit	Result
CMC ¹		1066
Surface Tension ²		31

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

Chemical Description

Name: Alcohol Ethoxylate

Surfactant Type: Nonionic

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

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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