



Technical Data Sheet

EcoSense™ 3000 Surfactant

Chemical Description

C8-C16 fatty alcohol glucoside

INCI name: Decyl Glucoside

Surfactant Type: Nonionic

Features & Benefits

- Mild
- Produces moderate to high stable foam
- Compatible with a broad range of surfactants and polymers, including cationic ingredients
- 100% vegetable origin
- Self-preserved
- Low eco-toxicity and toxicity
- Readily biodegradable

Applications

- Shampoo
- Body wash
- Bubble bath
- Hand and facial cleanser
- Liquid and bar soap
- Conditioner
- Baby wipes

Typical Properties

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

Test	Property	Unit	Result
	Actives % / Solvent		51 / water
	Cloud Point ¹		> 100
	CMC ² / Surface Tension ³		50.1 / 29.1
	Pour Point	°C	-18
	Form ⁴		Hazy pale yellow liquid

1. Cloud point: °C, 1% aqueous.
2. Critical micellization concentration: ppm at 25°C.
3. Surface tension: dynes/cm at 0.1% actives.
4. Form at 25°C.

Typical Properties (Cont.)

Test	Property	Unit	Result
	pH, 10% Aq Solution		12
	Viscosity at 40°C (104°F)	cSt	400
	Density at 25°C (77°F)	g/mL	1.10
ASTM ⁵ D93	Flash Pt, Closed Cup	°C	> 100 (est)

5. ASTM: American Society for Testing and Materials.

Solubility and Compatibility

- Soluble in water
- Soluble in concentrated electrolyte solutions
- Chemically stable in the presence of acids, bases and salts
- Compatible with anionic, amphoteric, 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.

Usable Life and Storage

This product should not be stored at temperatures below 15°C or above 40°C. If crystallization or sedimentation occurs when stored at temperatures below 15°C, the product should be heated and stirred until uniform before use.

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

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