



Technical Data Sheet

EcoSense™ 1200 Surfactant

Features & Benefits

- Mild
- Produces moderate to high stable foam
- Compatible with broad range of surfactants and polymers, including cationic ingredients
- 100% vegetable origin
- Solvent-free
- 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		50 / water
	Cloud Point ¹		> 100
	HLB ²		11–13
	CMC ³ / Surface Tension ⁴		74.3/28.7
	Pour Point	°C	6
	Form ⁵		Hazy pale yellow viscous liquid
	pH, 10% aq solution		12
	Viscosity at 40°C (104°F)	cSt	4000
	Density at 40°C (104°F)	g/mL	1.09
ASTM ⁶ D93	Flash point, closed cup	°C (est)	> 100

1. Cloud point: °C, 1% aqueous
2. HLB range: < 10 w/o emulsifier, > 10 o/w emulsifier
3. Critical micellization concentration: ppm at 25°C
4. Surface tension: dynes/cm at 0.1% actives, 25°C
5. Form at 25°C
6. ASTM: American Society for Testing and Materials

Chemical Description	C12-14 fatty alcohol glucoside INCI name: Lauryl Glucoside Surfactant type: Nonionic
Solubility and Compatibility	<ul style="list-style-type: none"> • 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	The product has the tendency to build viscosity, and crystallization may occur at storage temperatures below 35°C. If stored at temperatures below 35°C, the product can be heated and stirred until uniform before use. For convenience of handling and long-term storage in tanks, protect from frost and store at 35–40°C.
Limitations	This product is neither tested nor represented as suitable for medical or pharmaceutical uses.
Health and Environmental Information	<p>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.</p> <p>For further information, please see our website, dow.com or consult your local Dow representative.</p>
Disposal Considerations	<p>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.</p> <p>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.</p>
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.

dow.com

NOTICE: No freedom from infringement of any patent owned by Dow 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 government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

