



EcoSense™ 919 Surfactant
Product Information

Chemical
Description

C8-C14 fatty alcohol glucoside
INCI name: Coco-Glucoside (pending)

Surfactant Type: Nonionic

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 Physical Properties

Actives % / Solvent	50 / Water
Cloud Point ⁽¹⁾	>100
HLB ⁽²⁾	12-14
CMC ⁽³⁾ / Surface Tension ⁽⁴⁾	67.2/28.7
Pour Point	-18°C
Form ⁽⁵⁾	Hazy pale yellow liquid
pH, 10% aq solution	12
Viscosity at 40°C (104°F), cSt	1000
Density at 40°C (104°F), g/mL	1.11
Flash Pt, Closed Cup, ASTM D93	>100°C (est)

⁽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

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

Storage

The 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.

Handling
Precautions

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

Disposal

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 Personal Care 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.

For More Information:

North America: 1-800-447-4369
Europe: (+32) 3-450-2240
Asia/Pacific: (+852) 2879 7339
Other areas: 1-989-832-1556
<http://www.dow.com/personalcare>

Notice: No freedom from 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.

