



EcoSense™ 3000 Surfactant

Chemical Description

C8-C16 fatty alcohol glucoside
 INCI name: Decyl Glucoside
 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
- 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

Physical Properties

The following are typical properties of EcoSense™ 3000 Surfactant; **they are not to be considered product specifications.**

Actives % / solvent: 51 / Water
 Cloud point⁽¹⁾: >100
 CMC⁽²⁾ / surface tension⁽³⁾: 50.1 / 29.1
 Pour point: -18°C
 Form⁽⁴⁾: Hazy pale yellow liquid
 pH, 10% aq solution: 12
 Viscosity at 40°C (104°F), cSt: 400
 Density at 25°C (77°F), g/mL: 1.10
 Flash Pt, Closed Cup, ASTM D93: >100°C (est)

⁽¹⁾ Cloud point: °C, 1% Aqueous, ⁽²⁾ Critical micellization concentration: ppm at 25°C,

⁽³⁾ Surface tension: dynes/cm at 0.1% actives, 25°C, ⁽⁴⁾ 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

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.

CAUTION! Keep combustible and/or flammable products and their vapors away from heat, sparks, flames and other sources of ignition including static discharge. Processing or operating at temperatures near or above product flashpoint may pose a fire hazard. Use appropriate grounding and bonding techniques to manage static discharge hazards.

CAUTION! Failure to maintain proper volume level when using immersion heaters can expose tank and solution to excessive heat resulting in a possible combustion hazard, particularly when plastic tanks are used.

Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

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 (SDS), should be consulted prior to use of Dow products. Current Safety Data Sheets are available from Dow.

Contact:

North America: 1-800-447-4369
Latin America: (+55)-11-5188-9000
Europe: (+800)-3-694-6367
(Toll) +31-11567-2626
Asia-Pacific: (+800)-7776-7776
(Toll) +60-3-7965-5392

<http://www.dow.com>

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