EcoSense™ 1200 Surfactant
Product Information

**Chemical Description**
C12-14 fatty alcohol glucoside
INCI name: Lauryl 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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actives % / Solvent</td>
<td>50 / Water</td>
</tr>
<tr>
<td>Cloud Point (1)</td>
<td>&gt;100</td>
</tr>
<tr>
<td>HLB (2)</td>
<td>11-13</td>
</tr>
<tr>
<td>CMC(3) / Surface Tension(4)</td>
<td>74.3/28.7</td>
</tr>
<tr>
<td>Pour Point</td>
<td>6°C</td>
</tr>
<tr>
<td>Form(5)</td>
<td>Hazy pale yellow viscous liquid</td>
</tr>
<tr>
<td>pH, 10% aq solution</td>
<td>12</td>
</tr>
<tr>
<td>Viscosity at 40°C (104°F), cSt</td>
<td>4000</td>
</tr>
<tr>
<td>Density at 40°C (104°F), g/mL</td>
<td>1.09</td>
</tr>
<tr>
<td>Flash Pt, Closed Cup, ASTM D93</td>
<td>&gt;100°C (est)</td>
</tr>
</tbody>
</table>

(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 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.
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.

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