**TRITON™ CG-650 Surfactant**

Product Information

**Chemical Description**

Name: Alkyl Polyglucoside  
Surfactant Type: Nonionic

**Benefits**

- Mild  
- Soluble in alkaline solutions  
- Produces moderate to high stable foam  
- Low Streaking/Filming  
- Good detergency & wetting properties  
- Readily biodegradable

**Applications**

- Bottle washing  
- Highly alkaline formulations  
- Metal Cleaners  
- Paint strippers  
- Aluminum brighteners  
- Glass cleaners  
- Highly alkaline detergents  
- Dairy cleaners

**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>-</td>
</tr>
<tr>
<td>CMC (3) / Surface Tension (4)</td>
<td>67.2 / 28.7</td>
</tr>
<tr>
<td>Foam Height (5)</td>
<td>110 / 110</td>
</tr>
<tr>
<td>Pour Point</td>
<td>-18°C</td>
</tr>
<tr>
<td>Form (6)</td>
<td>Liquid</td>
</tr>
<tr>
<td>pH, 5% aq solution</td>
<td>11</td>
</tr>
<tr>
<td>Viscosity at 40°C (104°F), cSt</td>
<td>622</td>
</tr>
<tr>
<td>Density at 40°C (104°F), g/mL</td>
<td>1.1079</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) Ross-Miles foam height: mm at 0.1 wt% actives 25°C, initial / 5 minutes (6) 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, cationic, and other nonionic surfactants

**Storage and Handling**

If crystallization or sedimentation occurs when stored at temperature below 15°C, the product can be heated and stirred until uniform before use. The maximum storage temperature is 40°C.

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