TRITON™ CG-600 Surfactant

Product Information

Chemical Description

Name: Alkyl Polyglucoside
Surfactant Type: Nonionic

Benefits

• Mild
• Soluble in alkaline solutions
• Produces moderate to high stable foam
• Low Filming/Streaking
• 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>74.3 / 28.7</td>
</tr>
<tr>
<td>Foam Height (5)</td>
<td>80 / 80</td>
</tr>
<tr>
<td>Pour Point</td>
<td>6°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>1643</td>
</tr>
<tr>
<td>Density at 40°C (104°F), g/mL</td>
<td>1.0942</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

The product has the tendency to build viscosity and crystallization may occur at storage temperature 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 if possible or stored at 35-40°C.

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