TRITON™ CG-50 Surfactant
Product Information

Chemical Description
Name: Alkyl Polyglucoside
Surfactant Type: Nonionic

Benefits
- Mild
- Soluble in highly alkaline solutions
- Produces moderate to high stable foam
- Good detergency & wetting properties
- Readily biodegradable

Applications
- Bottle washing
- Highly alkaline formulations
- Metal Cleaners
- Paint strippers
- Personal care products
- Aluminum brighteners
- Glass cleaners
- Highly alkaline detergents
- Detergents

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°C</td>
</tr>
<tr>
<td>CMC (2) / Surface Tension (3)</td>
<td>871/28.7</td>
</tr>
<tr>
<td>Foam Height (4)</td>
<td>112/112</td>
</tr>
<tr>
<td>Pour Point</td>
<td>0°C</td>
</tr>
<tr>
<td>Form (5)</td>
<td>Yellowish Slightly Cloudy Liquid</td>
</tr>
<tr>
<td>pH, 1% aq solution</td>
<td>10.85</td>
</tr>
<tr>
<td>Viscosity at 40°C (104°F), cSt</td>
<td>135</td>
</tr>
<tr>
<td>Density at 40°C (104°F), g/mL</td>
<td>1.1</td>
</tr>
<tr>
<td>Flash Pt, Closed Cup, ASTM D93</td>
<td>None</td>
</tr>
<tr>
<td>Draves 25 sec wetting conc, wt% at 25°C</td>
<td>0.13</td>
</tr>
</tbody>
</table>

(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) Ross-Miles foam height: mm at 0.1 wt% actives 25°C, (5) Form at 25°C

Solubility and Compatibility
- Soluble in water
- Soluble & stable in highly caustic solutions
- Compatible with anionic, cationic, and other nonionic surfactants

Disposal
Although the Triton™ CG-50 Surfactant is considered readily biodegradable (>60 percent biodegradation within 28 days per OECD 301F) it has been determined that for unused & contaminated product, the preferred options for disposal include sending to a licensed, permitted incinerator or other thermal destruction device. This is consistent with Dow’s overall commitment to the Responsible Care Guiding Principles.

Contact information:
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