ECOSURT™ EH-6 Surfactant

Product Information

Chemical Description

Name: Alcohol Ethoxylate
Surfactant Type: Nonionic

Benefits

- Superior wetting
- Excellent oily soil removal
- Rapid dissolution & good rinseability
- Low odor
- No gel range
- Outstanding formulation & handling properties
- Readily biodegradable
- Aquatic toxicity EC50 > 10 mg/L

Applications

- Hard surface cleaners
- High performance cleaners
- Concentrates
- Paints & coatings
- Pulp & paper
- Textile
- Agrochemicals

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cloud Point (°C)</td>
<td>43</td>
</tr>
<tr>
<td>HLB (1)</td>
<td>10.8</td>
</tr>
<tr>
<td>Moles EO</td>
<td>NA</td>
</tr>
<tr>
<td>Pour Point (°C)</td>
<td>5°C</td>
</tr>
<tr>
<td>Appearance</td>
<td>Pale yellow liquid</td>
</tr>
<tr>
<td>pH, 1%aq solution</td>
<td>6.2</td>
</tr>
<tr>
<td>Viscosity at 40°C (cSt)</td>
<td>36.830</td>
</tr>
<tr>
<td>Density at 40°C (g/mL)</td>
<td>0.9897</td>
</tr>
<tr>
<td>Flash Pt. Closed Cup, ASTM D93</td>
<td>263°C 505°F</td>
</tr>
</tbody>
</table>

(1) Cloud point: °C, 10 wt% actives aqueous solution
(2) HLB: <10 w/o emulsifier, > 10 w/o emulsifier, 10-15 good wetting, 12-15 detergents
(3) Pour point: °C

Typical Performance Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMC(4)</td>
<td>914</td>
</tr>
<tr>
<td>Surface Tension(5)</td>
<td>30</td>
</tr>
</tbody>
</table>

(4) Critical micelle concentration: ppm at 25°C
(5) Surface tension: dynes/cm at 1% actives, 25°C

Solubility and Compatibility

- Soluble in water
- Soluble in chlorinated solvents and most polar organic solvents
- Chemically stable in the presence of dilute acids, bases and salts
- Compatible with anionic, cationic, and other nonionic surfactants

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