Ethoxylated alcohol, C12-C14 (2/3/4/7/9EO)

Other Name: Fatty Alcohol Ethoxylate; alcohol ethoxylate
INCI name:
CAS No.: 68131-39-5
EINECS (EC) No.:
Molecular Formula: RO(CH₂CH₂O)ₙH ; RO(CH₂CH₂O)ₙH

Characteristics:
Colorless clear liquid or White cream.

Application:
AEO-3: in the manufacture of surfactant AES; lipophilic emulsifier; in defoamer and dissolution aid.
AEO-7: Excellent detergency and emulsifying property. Biodegradable. Used in detergents and emulsifiers.
AEO-9: Excellent detergency and emulsifying, dispersing properties. Used in detergents and emulsifiers.

Specification

<table>
<thead>
<tr>
<th>Entry</th>
<th>AEO-3</th>
<th>AEO-7</th>
<th>AEO-9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance (30°C)</td>
<td>Colorless to light yellow liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color (Pt-Co)</td>
<td>~50</td>
<td></td>
<td></td>
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<tr>
<td>Active ingredient, %</td>
<td>~90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>5-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water (ml)</td>
<td>16-22</td>
<td>40-50</td>
<td>60-70</td>
</tr>
<tr>
<td>Cloud point, °C</td>
<td></td>
<td>40-50</td>
<td>60-70</td>
</tr>
<tr>
<td>HLB value</td>
<td>8</td>
<td>12</td>
<td>13</td>
</tr>
</tbody>
</table>

Ethoxylated alcohol, C12-C14  3EO
Appearance, 30°C: Colorless to light yellow liquid
Color (Pt-Co): 50
Active ingredient, %: 99
Ph: 5-7
Water (ml): 16-22
Cloud point, °C: nill
HLB value: 8

Ethoxylated alcohol, C12-C14  7EO
Appearance, 30°C: Colorless to light yellow liquid
Color (Pt-Co): 50
Active ingredient, %: 99
Ph: 5-7
Water (ml): 16-22
Cloud point, °C: 40-50
HLB value: 12

**Ethoxylated alcohol, C12-C14  9EO**
Appearance, $30^\circ C$: Colorless to light yellow liquid
Color (Pt-Co): 50
Active ingredient, %: 99
Ph: 5-7
Water (ml): 16-22
Cloud point, $^\circ C$: 60-70
HLB value: 13

**Packing**
AEO-3: 190kg per barrel; AEO-7 and AEO-9: 200kg per barrel.

**Storage:** Stored in dry, cool and ventilated place, kept away from sunshine and rain.