Sodium Lauryl Ether Sulfate (SLES)

Other Name: Sodium Fatty Alcohol Ether Sulfate(AES); Sodium Polyoxyethylene Fatty Alcohol Sulfate

INCI Name: Sodium Laureth Sulfate
CAS No.: 68585-34-2 or 68891-38-3 (SLES 24-2 / 70%)
9004-82-4 (SLES 25-3 / 70%)
EINECS (EC) No.: 221-416-0
Molecular Formula: RO(CH$_2$CH$_2$O)$_n$SO$_3$Na
R: C$_{12-14}$ alkyl (Natural)
C$_{12-15}$ alkyl (Synthetical)
n: 2-3

Characteristics:
1. Excellent decontamination, emulsification, dispersion, wetting, solubilizing performance and foaming property.
2. Good solvency, thickening effect, wide compatibility, anti-hard water and high biodegradable ability.
3. Low irritation to skin and eyes.

Application:
1. Widely used in liquid detergent such as dishwashing detergent, shampoo, bubble bath liquid, hand washing etc.
2. In washing powder and detergent for heavy dirty, using it to partially replace LABSA, phosphate can be saved or reduced, and general dosage of active matter is reduced.
3. In textile, printing and dyeing industry, petroleum and leather industry, it can be used as lubricant, dyeing agent, cleanser, foaming agent and degreasing agent.

Specification

<table>
<thead>
<tr>
<th>Items</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance 25℃</td>
<td>White to yellowish paste</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic odor</td>
</tr>
<tr>
<td>Active matter, %</td>
<td>70±2</td>
</tr>
<tr>
<td>Unsulfated matter,%</td>
<td>2.0 max.</td>
</tr>
<tr>
<td>Sodium sulfate, %</td>
<td>1.5 max.</td>
</tr>
<tr>
<td>1,4-Dioxane, PPM</td>
<td>50 max.</td>
</tr>
<tr>
<td>pH value (25℃, 1% Am.aq.sol)</td>
<td>7.0~9.5</td>
</tr>
<tr>
<td>Color, Hazen (5%Am.aq.sol)</td>
<td>20 max.</td>
</tr>
</tbody>
</table>

Sodium Lauryl Ether Sulfate (SLES) 70%
Appearance, 25℃: White to yellowish paste
Odor: Characteristic odor
Active matter, %: 70±2
Unsulfated matter, %: 2.0 max.
Sodium sulfate, %: 1.5 max.
1,4-Dioxane, PPM: 50 max.
Ph value (25°C, 1% Am.aq.sol): 7.0-9.5
Color, Hazen (5% Am.aq.sol): 20 max.

**Sodium Lauryl Ether Sulfate (SLES) 28%**
Appearance, 25°C: White to yellowish paste
Odor: Characteristic odor
Active matter, %: 28±1
Unsulfated matter, %: 1.5 max.
Sodium sulfate, %: 0.5 max.
1,4-Dioxane, PPM: 50 max.
Ph value (25°C, 1% Am.aq.sol): 7.0-9.5
Color, Hazen (5% Am.aq.sol): 20 max.

**Packing**

<table>
<thead>
<tr>
<th>Item</th>
<th>Packing</th>
<th>Quantity/FCL</th>
<th>N.W./FCL</th>
<th>G.W./FCL</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLES 70%</td>
<td>110Kgs/Plastic Drum</td>
<td>191 Drums</td>
<td>21.01MT</td>
<td>21.965MT</td>
</tr>
<tr>
<td></td>
<td>160Kgs/Plastic Drum</td>
<td>114 Drums</td>
<td>18.24MT</td>
<td>19.038MT</td>
</tr>
<tr>
<td></td>
<td>170Kgs/Plastic Drum</td>
<td>114 Drums</td>
<td>19.38MT</td>
<td>20.178MT</td>
</tr>
<tr>
<td></td>
<td>220Kgs/Plastic Drum</td>
<td>80 Drums</td>
<td>17.60MT</td>
<td>18.40MT</td>
</tr>
<tr>
<td></td>
<td>1000Kgs/IBC</td>
<td>18 IBCs</td>
<td>18.00MT</td>
<td>19.162MT</td>
</tr>
<tr>
<td>SLES 28%</td>
<td>200Kgs/Plastic Drum</td>
<td>80 Drums</td>
<td>16.00MT</td>
<td>16.80MT</td>
</tr>
<tr>
<td></td>
<td>1000Kgs/IBC</td>
<td>18 IBCs</td>
<td>18.00MT</td>
<td>19.152MT</td>
</tr>
</tbody>
</table>

**SLES 70%**:
1) 110kg/plastic drum, 20.01mt/fcl (N.W.), 21.965mt/fcl (G.W.)
2) 160kg/plastic drum, 18.24mt/fcl (N.W.), 19.038mt/fcl (G.W.)
3) 170kg/plastic drum, 19.38mt/fcl (N.W.), 20.178mt/fcl (G.W.)
4) 220kg/plastic drum, 17.6mt/fcl (N.W.), 18.4mt/fcl (G.W.)
5) 1000kg/IBC, 18mt/fcl (N.W.), 19.152mt/fcl (G.W.)
6) 1100kg/IBC, 19.8mt/fcl (N.W.), 20.952mt/fcl (G.W.)

**SLES 28%**:
1) 200kg/plastic drum, 16mt/fcl (N.W.), 16.8mt/fcl (G.W.)
2) 1000kg/IBC, 18mt/fcl (N.W.), 19.152mt/fcl (G.W.)

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