Sodium Lauryl Sulfate (SLS or K12)

Other Name: Sodium Dodecyl Sulfate  
INCI name: Sodium Lauryl Sulfate  
CAS No.: 151-21-3  
EINECS (EC) No.: 205-788-1  
Molecular Formula: \( \text{ROS}_3\text{Na} \) \( \text{R: C}_{12-14} \) alkyl

Characteristics:
1. Excellent decontamination, emulsification, and foaming property. With rich and longstanding form.
2. Non-toxic and good biodegradable ability.
3. By adding other types of additive, its irritation will be ameliorated, degreasing power reduced, hand feeling enhanced.

Application:
1. Compounded with LABSA in a proportion of 1:3, it is used as the detergent for heavy dirty to wash carpet, dishware and hard surface.
2. Widely used in shampoo, bubble bath, hand washing, and the lather agent of toothpaste, cream or powder shampoo.
3. In the other industries fields, it can be used as emulsifier, fire retardant, auxiliary agent of textile, and plating additive, etc.

Specification

<table>
<thead>
<tr>
<th>Items</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance 25°C</td>
<td>White to yellowish powder or needle</td>
</tr>
<tr>
<td>Odor</td>
<td>characteristic odor</td>
</tr>
<tr>
<td>Active matter, %</td>
<td>95.0 min.</td>
</tr>
<tr>
<td>Petroleum ether soluble substance, %</td>
<td>1.5 max.</td>
</tr>
<tr>
<td>Sodium sulfate, %</td>
<td>3.0 max.</td>
</tr>
<tr>
<td>pH value (25°C, 1% Am.aq.sol)</td>
<td>7.5-9.5</td>
</tr>
<tr>
<td>Color, Hazen (5% Am.aq.sol)</td>
<td>10 max.</td>
</tr>
<tr>
<td>Water content, %</td>
<td>3.0 max.</td>
</tr>
</tbody>
</table>

Sodium Lauryl Sulfate (SLS or K12)  95%
Appearance, 25°C: White to yellowish powder or needle
Odor: Characteristic odor
Active matter, %: 95.0 min.
Petroleum ether soluble substance, %: 1.5 max.
Sodium sulfate, %: 3.0 max.
Ph value (25°C, 1% Am.aq.sol): 7.5-9.5
Color, Hazen (5% Am.aq.sol): 10 max.
Water content, %: 3.0 max.

**Sodium Lauryl Sulfate (SLS or K12)  92%**  
Appearance, 25°C: White to yellowish powder or needle  
Odor: Characteristic odor  
Active matter, %: 92.0 min.  
Petroleum ether soluble substance, %: 1.5 max.  
Sodium sulfate, %: 5.0 max.  
Ph value (25°C, 1% Am. aq. sol): 7.5-9.5  
Color, Hazen (5% Am. aq. sol): 10 max.  
Water content, %: 5.0 max.

**Sodium Lauryl Sulfate (SLS or K12)  30%**  
Appearance, 25°C: White to yellowish powder or needle  
Odor: Characteristic odor  
Active matter, %: 30 ± 1  
Petroleum ether soluble substance, %: 1.5 max.  
Sodium sulfate, %: 1.0 max.  
Ph value (25°C, 1% Am. aq. sol): 7.5-9.5  
Color, Hazen (5% Am. aq. sol): 10 max.  
Water content, %: nil

### 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>SLS 95% or 92%</td>
<td>20Kgs/Bag</td>
<td>625 Bags</td>
<td>10.50MT</td>
<td>10.763MT*</td>
</tr>
<tr>
<td></td>
<td>20Kgs/Bag</td>
<td>400 Bags</td>
<td>8.00MT</td>
<td>8.20MT**</td>
</tr>
<tr>
<td>SLS 30%</td>
<td>200Kgs/Plastic Drum</td>
<td>80 Drums</td>
<td>16.00MT</td>
<td>16.800MT</td>
</tr>
<tr>
<td></td>
<td>1000Kgs/IBC</td>
<td>18 IBCs</td>
<td>13.00MT</td>
<td>19.152MT</td>
</tr>
</tbody>
</table>

* No pallets  ** Have pallets

SLS 95% or 92%:  
1) 20kg/bag, 10.5mt/fcl (N.W.), 10.763mt/fcl (G.W.) without pallet  
2) 20kg/bag, 8mt/fcl (N.W.), 8.2mt/fcl (G.W.) with pallet

SLS 30%:  
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, cool and ventilated place, kept away from sunshine and rain.