Disodium Laureth (3 or 2) Sulfosuccinate (DLS)

Other Name: Disodium Fatty Alcohol Polyoxyethylene Ether Sulfosuccinate
INCI name: Disodium Laureth (3 or 2) Sulfosuccinate
CAS No.: 040754-59-4
EINECS (EC) No.:
Molecular Formula: $RO(C_2H_4O)_{n}COCH_2CH(SO_3Na)COONa$  \( R: C_{12-14} \) alkyl

Characteristics:
1. Quite gentle to skin even in high consistence.
2. Low irritation and markedly reducing the irritation of other surfactants. Especially compounded with SLES, it has a more obvious effect.
3. Excellent emulsification, dispersion, wetting and solubilizing performance.
4. Medium decontamination and low degreasing power. Excellent cleaning ability and easy to rinse.
5. Good efficiency of dispersing calcium soap and anti-hard water.
6. Enhancing the attached components in shampoo, and reducing the hair color fading rate.
7. Medium foaming property and perfect solubility and viscosity adjusting functions.

Application:
1. With medium decontamination and weak degreasing power, widely used in shampoos, bubble-bath liquid, hand washing, facial cleanser, dishware detergent, surgical cleaning products, cosmetics products and household cleaning products.
2. Also can be used as emulsifier, dispersant, wetting agents, foaming agents and so on. Mainly used in coatings, textile, paper, leather and oil exploration industries.
3. Owning to its good lubrication, anti-hard water and excellent solubilizing performance, it can also be used as industrial liquid detergent.
4. The recommended dosage is:
   1) 4-10% in shampoo and 4-8% in bubble bath.
   2) 0.5-5% in the cosmetics.
   3) PH value should lower than 7.

Specification

<table>
<thead>
<tr>
<th>Items</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance, 25°C</td>
<td>Colorless to yellow transparent viscous liquid</td>
</tr>
<tr>
<td>Active matter, %</td>
<td>30±1</td>
</tr>
<tr>
<td>Solid, %</td>
<td>34±2</td>
</tr>
<tr>
<td>Sodium sulfate, %</td>
<td>1.0 max.</td>
</tr>
<tr>
<td>Sodium sulfate, %</td>
<td>0.3 max.</td>
</tr>
<tr>
<td>pH value (25°C, 10% aq. sol)</td>
<td>5.0—7.0</td>
</tr>
<tr>
<td>Color, Hazen</td>
<td>100 max.</td>
</tr>
</tbody>
</table>
Disodium Laureth (3 or 2) Sulfosuccinate (DLS)
Appearance, 25°C: Colorless to yellow transparent viscous liquid
Active matter, %: 30±1
Solid, %: 34±2
Sodium sulfate, %: 1.0 max.
Sodium sulfite, %: 0.3 max.
Ph value (25°C, 10% aq.sol): 5.0-7.0
Color, Hazen : 100 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>DLS</td>
<td>200Kgs/plastic drum</td>
<td>80 Drums</td>
<td>16.00MT</td>
<td>16.80MT</td>
</tr>
</tbody>
</table>

200kg/plastic drum, 16mt/fcl (N.W.), 16.8mt/fcl (G.W.)

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