Cocamide MEA (CMEA)

Other Name: Coconut Fatty Acid Monothanolamide
INCI name: Cocamide MEA (CMEA)
CAS No.: 68140-00-1
EINECS (EC) No.: 
Molecular Formula: RCONHCH$_2$CH$_2$OH  
R:Coco alkyl

Characteristics:
1. CMEA is an alkanolamide of nonionic surfactant.
2. Perfect foam-stabilizing, decontamination, wetting, anti-hard water and biodegradability (97% or more degradation rate).
3. Perfect thickener, even better thickening ability than CDEA (6501).
4. Difficult to dissolve in water. Easy to dissolve to transparent solution when compounded with soap and other surfactants.

Application:
1. In the application of soap, it can be enhance the fragrance, increase lustre and preventing rot.
2. In liquid washing products, it has a very clear thickening effect, adding 1% into the prescription, the viscosity even exceed that of 2-3% 6501 additive, and the dosage of inorganic salt will be saved.
3. Especially suitable in amine salt and sulfosuccinic acid salt systems.
4. It is widely used in solid soap and soap powder, washing powder, liquid detergent, emulsification stabilizer, and emulsifying shampoo.
5. The recommendend dosage for liquid and emulsion prescription is 0.5-2%.

Specification

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance, 25°C</td>
<td>White to yellowish flake solid</td>
</tr>
<tr>
<td>Amine value, mgKOH/g</td>
<td>10 max.</td>
</tr>
<tr>
<td>Amide content, %</td>
<td>92 min.</td>
</tr>
<tr>
<td>Melting point, ºC</td>
<td>70±5</td>
</tr>
<tr>
<td>Total ester, %</td>
<td>5 max.</td>
</tr>
<tr>
<td>Glycerine, %</td>
<td>/</td>
</tr>
<tr>
<td>pH value (25°C, 10g/l, 10% ethanol solution)</td>
<td>7.0-10.5</td>
</tr>
<tr>
<td>Color, Hazen (10% ethanol solution)</td>
<td>50 max.</td>
</tr>
</tbody>
</table>

Cocamide MEA (CMEA) Non-glycerol
Appearance, 25°C: White to yellowish flake solid
Amine value, mgKOH/g: 10 max.
Amide content, %: 92 min.
Melting point, ºC: 70±5
Total ester, %: 5 max.
Glycerine, %: nil
Ph value (25°C, 10g/L, 10% ethanol solution): 7.0-10.5
Color, Hazen (10% ethanol solution): 50 max.

Cocamide MEA (CMEA) with glycerol
Appearance, 25°C: White to yellowish flake solid
Amine value, mgKOH/g: 20 max.
Amide content, %: nil.
Melting point, °C: 60±5
Total ester, %: nil.
Glycerine, %: 11 max.
Ph value (25°C, 10g/L, 10% ethanol solution): 7.0-10.5
Color, Hazen (10% ethanol solution): 50 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>CMEA</td>
<td>25Kgs/Eag</td>
<td>500bags</td>
<td>12.50MT</td>
<td>12.75MT</td>
</tr>
</tbody>
</table>

25kg/bag, 12.5mt/fcl (N.W.), 12.75mt/fcl (G.W.)
**Paper-plastic compound bag

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