Technical Information

Plantapon® SF
PRD 30535493

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Surfactant

INCI name(s)
Sodium Cocoamphoacetate (and) Glycerin (and) Lauryl Glucoside (and) Sodium Cocoyl Glutamate (and)
Sodium Lauryl Glucose Carboxylate

Chemical description
Mixture of Sodium Cocoamphoacetate, Glycerin, Lauryl Glucoside, Sodium Cocoyl Glutamate and Sodium
Lauryl Glucose Carboxylate

Physical form:
Clear, yellowish, low viscous liquid with characteristic odor

Molecular weight
Mixture

CASR-No.  
68334-21-4  Sodium Cocoamphoacetate
56-81-5  Glycerin
110615-47-9  Lauryl Glucoside
68187-32-6  Sodium Cocoyl Glutamate
383178-66-3  Sodium Lauryl Glucose Carboxylate

Characteristic values
The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally
and conclusively describe the properties of the product.

Quality control data
(Data which is used for quality release and is certified for each batch.)

<table>
<thead>
<tr>
<th>Test property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance at room temperature</td>
<td>Corresponds to the standard</td>
</tr>
<tr>
<td>Odor at room temperature</td>
<td>Corresponds to the standard</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>4.5 - 5.8 %</td>
</tr>
<tr>
<td>Water</td>
<td>48.0 - 58.0 %</td>
</tr>
<tr>
<td>pH value (20 °C; conc.)</td>
<td>6.5 - 7.5</td>
</tr>
</tbody>
</table>

Specific methods used for batch release see Certificate of Analysis.
Storage information

**Shelf life**
18 months

**Storage temperature**
Between + 15 °C and + 30 °C

**Storage conditions**
In original sealed containers and protected from moisture

**Additional information**
On account of its high salt content the product can have a corrosive effect during storage in stainless steel tanks.

Stabilising additives / Auxiliaries

**Preservatives**
not present

**Antioxidants**
not present

**Solvents**
Isopropanol

**Others**
not present

General information

**Raw material basis**
Vegetable: (coconut / palm kernel oil, glucose, sodium glutamate)
Synthetic: (Sodium mono chloro acetate, monochloro acetic acid, aminoethyl ethanol amine)
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WF-No. 11496
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Composition hints for finished product label

<table>
<thead>
<tr>
<th>INCI Name (US/EU/CN)</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Cocoamphoacetate</td>
<td>10 - 20 %</td>
</tr>
<tr>
<td>Glycerin</td>
<td>8 - 10 %</td>
</tr>
<tr>
<td>Lauryl Glucoside</td>
<td>5 - 15 %</td>
</tr>
<tr>
<td>Sodium Cocoyl Glutamate</td>
<td>max. 5 %</td>
</tr>
<tr>
<td>Sodium Lauryl Glucose Carboxylate</td>
<td>max. 5 %</td>
</tr>
</tbody>
</table>

Water Content

<table>
<thead>
<tr>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 - 60 %</td>
</tr>
</tbody>
</table>

Miscellaneous information

Example of use

Plantapon® SF is a mild surfactant mixture for cosmetic use. It is EO-free and Alkyl Sulfate free, therefore it is suitable for the formulation of alternative shampoos, showers and baths.

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