Technical Information

Sodium Coco-Sulfate

Sulpoton 1216 G/MB

Valid since 24.06.2019
Revision 3.0
WF-No. 20097
Page 1 of 4

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Care Chemicals

Anionic Surfactant

INCI name(s)
Sodium Coco-Sulfate

Chemical description
Sodium C12-18 alkyl sulfate

Physical form:
White granules

Molecular weight
Mixture

CASR-No. Ingredient
68955-19-1 Fatty alcohol sulfate C12-18, sodium salt

Ingredient information:
This product contributes to the production of certified sustainable palm kernel oil.
Certification No. RSPO: BMT-RSPO-000099.

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>Anionic surfactant (average MW 310)</td>
<td>90.0 - 95.0 %</td>
</tr>
<tr>
<td>Bulk density</td>
<td>550 - 650 g/l</td>
</tr>
<tr>
<td>Particle size distribution by sieving on sieve 1.25 mm</td>
<td>max. 5.0 %</td>
</tr>
<tr>
<td>through sieve 0.1mm</td>
<td>max. 3.0 %</td>
</tr>
</tbody>
</table>

Specific methods used for batch release see Certificate of Analysis.
Technical Information

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Revision 3.0
WF-No. 20097
Page 2 of 4

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Additional product descriptive data
(Data which is proven statistically but not determined regularly.)

<table>
<thead>
<tr>
<th>Test property</th>
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<tr>
<td>Sodium sulfate</td>
<td>max. 3.0 %</td>
</tr>
<tr>
<td>Water content</td>
<td>max. 3.0 %</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>0.6 - 2.0 %</td>
</tr>
<tr>
<td>Unsulfated matter</td>
<td>max. 3.0 %</td>
</tr>
</tbody>
</table>

Specific methods used for batch release see Certificate of Analysis.

Typical values
(For information purposes only, not part of the guaranteed specifications.)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>C-chain distribution</td>
<td></td>
</tr>
<tr>
<td>C12 - C14</td>
<td>70 - 80 %</td>
</tr>
<tr>
<td>C16 - C18</td>
<td>20 - 30 %</td>
</tr>
</tbody>
</table>

Storage information

Shelf life
24 months

Storage temperature
Between + 20 °C and + 30 °C

Storage conditions
In original sealed containers and protected from moisture

Additional information
At temperatures below the indicated minimum temperature moisture condensation may occur at the surface of the packaging and may lead to lumpiness and is why a minimum storage temperature is recommended. The product quality is not impaired at temperatures below the indicated minimum temperature, only handling may be influenced.
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Page 3 of 4

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Stabilising additives / Auxiliaries

Preservatives
not present

Antioxidants
not present

Solvents
not present

Others
not present

General information

Raw material basis
Vegetable: (coconut / palm kernel oil)
Anorganic: (SO₃, NaOH)

Composition hints for finished product label

INCI Components
INCI Name (US/EU/CN) Content
Sodium Coco-Sulfate Complete *

* Complete means conclusively describes the substance
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**Care Chemicals**

**Miscellaneous information**

**Example of use**

**Home Care/I&I Applications:**
The manufacture of Sulfopon® 1216 G/MB is based on fluidized bed granulation and the resulting granule structure allows the convenient addition of solid FAS into surfactant preparations, laundry detergents, toilet blocks and cleaning agents, based on solid and powdered recipes.

Sulfopon® 1216 G/MB is not only suitable for home care applications, but also for formulations used in the industrial and institutional sector and personal care applications.

The main product characteristics of Sulfopon® 1216/MB G can be described as follows:
- convenient handling
- good flowability
- good storage stability
- high bulk density
- good detergency

**Personal Care Applications:**
Sulfopon® 1216 G/MB is also suited as a basic surfactant in cosmetic cleansing preparations such as shampoos, shower gels and bath preparations.

Additional Information on the processing of Sulfopon® 1216 G/MB in cosmetic cleansing formulations are available.

**Intended for use as cosmetic and home care ingredient**

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