Product Data Sheet
PLANTACARE® 2000 UP

General characterisation
Chemical description
C8-16 fatty alcohol glucoside
C-chain distribution fatty alcohol:
C6 max. 1%
C8 33 - 40 %
C10 21 - 28 %
C12 27 - 32 %
C14 9 - 12 %
C16 max. 1%

Labeling information
INCI name(s)
Decyl Glucoside

Registrations

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CASR-No.</th>
<th>EINECS/ELINCS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>68515-73-1</td>
<td>no longer polymer</td>
</tr>
<tr>
<td></td>
<td>110615-47-9</td>
<td>no longer polymer</td>
</tr>
</tbody>
</table>

Officially listed in / Quality conforms to
JCIC: Alkyl (8 - 16) Glucoside (Ingredient Code 523007)


Product properties
Appearance
PLANTACARE® 2000 UP is a cloudy, viscous, aqueous solution of a C8-C16 fatty alcohol polyglycoside.

Example of use
The turbidity of the product is attributable to a combination of its magnesium oxide content (max. 500 ppm magnesium) and the pH value at which it is supplied. This turbidity has no negative effects on the products properties and disappears if the pH value is adjusted to below 7. PLANTACARE® 2000 UP is a nonionic surfactant with excellent foaming capacity and good dermatological compatibility. Therefore it is suitable for use as a base surfactant or a co-surfactant in cosmetic surfactant cleansing preparations.

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.)

- **Appearance**: conforms to standard
- **Odour**: conforms to standard
- **Active substance**: 51 - 55 %  
  **Difference**: 100% - %water
- **Water**: 45 - 49 %  
  **DGF H-III 3a**
- **pH value (20 % in 11.5 - 12.5 Q-P 1507.1 15 % Isopropanol)**
- **Viscosity (20° C) mPas**: 1000 - 6000  
  **DIN 53015**
- **Colour Gardner**: < 3  
  **DIN ISO 4630**

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

- **Free fatty alcohol**: max. 1.0 %
- **Sulfate ash**: max. 3.0 %

**Storage and transportation**

PLANTACARE® 2000 UP can be stored in original unopened containers at below 40°C for at least two years. PLANTACARE® 2000 UP should not be stored at temperatures below 10°C. Upon storage of PLANTACARE® 2000 UP separation of the product may occur, which has no negative effects on the product quality. The product should be stirred until uniform before use. Containers and storage tanks made of V2A steel (material no. 1.4541) and of V4A (material no. 1.4571) are suitable for storing PLANTACARE® 2000 UP. PLANTACARE® 2000 UP has a high pH-value and for this reason the product contains no presevatives (suffix UP = unpreserved).