

Technical Information

Plantacare® 810 UP

PRD 30530208

| | |
|-------------|------------|
| Valid since | 14.09.2020 |
| Revision | 6.0 |
| WF-No. | 24968 |
| Page | 1 of 4 |

® = registered trademark of BASF in many countries ™ = Trademark of BASF

Care Chemicals**Nonionic Surfactant / Alkyl Polyglucoside****INCI name(s)**

Caprylyl/Capryl Glucoside

Chemical description

C8-10 fatty alcohol glucoside

Physical form:

Yellowish, slightly cloudy and viscous liquid

Molecular weight

approx. 400 g/mol

CASR-No.

68515-73-1

Ingredient

Caprylyl/Capryl Glucoside

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.)

| Test property | Specification |
|---|---------------|
| Water content (Karl-Fischer) | 35.0 - 38.0 % |
| Active matter | 62.0 - 65.0 % |
| pH value (10 % in 15 % Isopropanol/85 % Water) | 11.5 - 12.5 |

Specific methods used for batch release see Certificate of Analysis.

Additional product descriptive data

(Data which is proven statistically but not determined regularly.)

| Test property | Specification |
|----------------------------|-------------------------------|
| Fatty alcohol | max. 0.7 % |
| Density (40 °C) | 1.13 - 1.14 g/cm ³ |
| Viscosity Hoeppler (40 °C) | 500 - 1500 mPas |

Specific methods used for batch release see Certificate of Analysis.



We create chemistry

Technical Information

Plantacare® 810 UP

PRD 30530208

| | |
|-------------|------------|
| Valid since | 14.09.2020 |
| Revision | 6.0 |
| WF-No. | 24968 |
| Page | 2 of 4 |

® = registered trademark of BASF in many countries ™ = Trademark of BASF

Care Chemicals

Storage information

Shelf life

24 months

Storage temperature

Between + 10 and + 40 °C

Storage conditions

In original sealed containers and protected from moisture

Additional information

Store frost-free. Upon storage of Plantacare® 810 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) are of only limited use for storing Plantacare® 810 UP, because corrosion may occur. Storage containers made of V4A (material no. 1.4571) should therefore be preferred. Plantacare® 810 UP has a high pH-value and for this reason the product contains no preservatives (suffix UP = unpreserved).

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, glucose)

Technical Information

Plantacare® 810 UP

PRD 30530208

| | |
|-------------|------------|
| Valid since | 14.09.2020 |
| Revision | 6.0 |
| WF-No. | 24968 |
| Page | 3 of 4 |

® = registered trademark of BASF in many countries ™ = Trademark of BASF

Care Chemicals**Composition hints for finished product label****INCI Components**

| INCI Name (US/EU/CN) | Content |
|---------------------------|-----------|
| Caprylyl/Capryl Glucoside | 60 - 70 % |

Water Content

| Content |
|-----------|
| 30 - 40 % |

Product properties**Solubility**

| | |
|---------------|-----------------------|
| Ethylether: | practically insoluble |
| Chloroform: | sparingly soluble |
| Petrolether: | practically insoluble |
| Ethylalcohol: | practically insoluble |
| Paraffin oil: | practically insoluble |
| Water: | practically insoluble |

Miscellaneous information**Example of use**

The turbidity of the product is attributable to a combination of its magnesium oxide content (max. 0.1 % 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 8.5. Plantacare® 810 UP is a nonionic surfactant with excellent solubility, stability, surface and interfacial activities. Plantacare® 810 UP shows excellent solubilizing properties in highly concentrated surfactant solutions also in the presence of salt and alkalies.



We create chemistry

Technical Information

Plantacare® 810 UP

PRD 30530208

| | |
|-------------|------------|
| Valid since | 14.09.2020 |
| Revision | 6.0 |
| WF-No. | 24968 |
| Page | 4 of 4 |

® = registered trademark of BASF in many countries ™ = Trademark of BASF

Care Chemicals

Intended for use as cosmetic ingredient

Disclaimer

This document, or any answers or information provided herein by BASF, does not constitute a legally binding obligation of BASF. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. It does not relieve our customers from the obligation to perform a full inspection of the products upon delivery or any other obligation. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.