

Technical Information

Plantacare® 810 UP

PRD 30530208

Valid since 18.07.2023
Revision 7.1

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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.	Ingredient	Remark
68515-73-1	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.



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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)

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

INCI Name (US/EU/CN)	Content
Caprylyl/Capryl Glucoside	62 - 65 %

Water Content

Content
35 - 38 %

Product properties**Solubility**

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

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.



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Care Chemicals

Intended for use as cosmetic ingredient

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