

Technical Information

Plantacare® 818 UP

PRD 30528606

Valid since	14.08.2018
Revision	9.0
WF-No.	17131
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Care Chemicals**Nonionic Surfactant / Alkyl Polyglucoside****INCI name(s)**

Coco-Glucoside

Chemical description

C8-16 fatty alcohol glucoside

Physical form:

Cloudy, viscous, aqueous solution of a C8-C16 fatty alcohol glycoside

Molecular weight

approx. 423 g/mol

CASR-No.	Ingredient	Remark
141464-42-8	Alkylpolyglucoside C8-16	Most common description
68515-73-1	Alkylpolyglucoside C8-10	REACH registration
110615-47-9	Alkylpolyglucoside C10-16	REACH registration

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
Appearance at room temperature	Corresponds to the standard (Below 15 °C crystallization may occur. See additional information.)
Odor at room temperature	Corresponds to the standard
Water content	47.0 - 49.0 %
Active matter	51.0 - 53.0 %
Viscosity Hoeppler (20 °C)	2500 - 6000 mPas
pH value (20 % in 15 % Isopropanol)	11.5 - 12.5

Specific methods used for batch release see Certificate of Analysis.

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Care Chemicals**Additional product descriptive data**

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

Test property

Free fatty alcohol

Ash

Specification

max. 1.00 %

max. 3.00 %

Specific methods used for batch release see Certificate of Analysis.

Storage information**Shelf life**

24 months

Storage temperature

Between + 15 °C and + 40 °C

Storage conditions

In original sealed containers and protected from moisture

Additional information

The product should not be stored at temperatures below 15° C. If Plantacare® 818 UP is stored at temperatures below 15° C crystallization may occur. The product should be heated and stirred until uniform before use. Upon storage also some sedimentation can occur which has no negative effects on the quality. It is recommended to homogenize the product before use by stirring. Containers and storage tanks made of V2A steel (material no. 1.4541) and of V4A (material no. 1.4571) are suitable for storing Plantacare® 818 UP. Plantacare® 818 UP has a high pH-value and for this reason the product contains no preservatives (suffix UP = unpreserved).

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Care Chemicals

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)

Composition hints for finished product label

INCI Components

INCI Name (US/EU/CN)

Coco-Glucoside

Content

50 - 60 %

Water Content

Content

40 - 50 %

Product properties

Solubility

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



We create chemistry

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Miscellaneous information

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® 818 UP is a nonionic surfactant with a balanced combination regarding the foam volume and the excellent dermatological properties. Therefore it is suitable for use as a base surfactant or a co-surfactant in cosmetic cleansing preparations.

Intended for use as cosmetic ingredient

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