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UL PROSPECTOR® Product Datasheet

Plantacare® 818 UP

PRD 30528606

Valid since 21.05.2015
Revision 13.2

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Care Chemicals

General characterisation

Chemical description

C8-16 fatty alcohol glucoside

Raw material basis

Vegetable:

(coconut/palm kernel oil, glucose)

Labeling information

INCI name(s)

Coco-Glucoside

Active ingredient information

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

Product properties

Appearance

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

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.

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Care Chemicals**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 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 %	DGF H-III 3A
Active matter	51.0 - 53.0 %	Internal method 96000301
Viscosity Hoeppler (20 °C)	2500 - 6000 mPas	DIN 53015
pH value (20 % in 15 % Isopropanol)	11.5 - 12.5	Internal method 92001901

Additional product descriptive data

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

Free fatty alcohol	max. 1.00 %	Internal method 96011701
Ash	max. 3.00 %	Internal method 95014901

Stabilising additives / Auxiliaries

(type and concentration)

Preservatives

not present



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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).

Intended for use as cosmetic ingredient

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