

Technical Information

Plantacare® 1200 UP

PRD 30530216

Valid since 26.02.2019
Revision 3.0

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

Lauryl Glucoside

Chemical description

C 10 - 16 fatty alcohol glucoside

Physical form:

Cloudy, viscous, aqueous solution

Molecular weight

approx. 433 g/mol

CASR-No.

110615-47-9

IngredientD-Glucopyranose, oligomeric, C10-16-alkyl
glycosides**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

Appearance at room temperature

SpecificationCorresponds to the standard
(Below 38 °C crystallization may
occur. See additional information.)

Odor at room temperature

Corresponds to the standard

Water

47.0 - 50.0 %

Active matter

50.0 - 53.0 %

pH value (20 % in 15 % IPA/Water)

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	Specification
Fatty alcohol	max. 0.80 %
Ash	max. 2.00 %
Density (40 °C)	1.07 - 1.09 g/cm ³
Viscosity Höppler (40 °C)	1000 - 3000 mPa.s

Specific methods used for batch release see Certificate of Analysis.

Storage information**Shelf life**

24 months

Storage temperature

< + 50 °C

Storage conditions

In original sealed containers and protected from moisture

Additional information

If the product is stored at temperatures below 38° C crystallization may occur. Depending on the storage time sedimentation may occur. Therefore, the product should be heated and 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® 1200 UP. For easier handling the product can be warmed up to max. 50 °C for a short duration without influence onto the product specification.

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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)**

Lauryl 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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Care Chemicals

Miscellaneous information

Example of use

The turbidity of the product is attributable to a combination of its magnesium oxide content (max. 600 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® 1200 UP is a nonionic surfactant with good dermatological compatibility and viscosity enhancing effects. Therefore it is suitable for use as an additive or a co-surfactant in cosmetic surfactant cleansing preparations.

Intended for use as cosmetic ingredient

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