

Technical Information

Lamesoft® PO 65

PRD 30528377

Valid since 16.11.2021
Revision 17.1
WF-No. 29513
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Care Chemicals

Lipid Layer Enhancer

INCI name(s)

Coco-Glucoside (and) Glyceryl Oleate

Chemical description

Mixture of alkyl glucoside with fatty acid glyceryl ester

Physical form:

Transparent to slightly yellowish viscous product with characteristic odor

Molecular weight

Mixture

CASR-No.	Ingredient	Remark
68515-73-1, 110615-47-9	Coco-Glucoside	
68424-61-3	Glyceryl Oleate	

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	Test method
Appearance at room temperature	Corresponds to the standard	Internal method 93000601
Odor at room temperature	Corresponds to the standard	Internal method 93000701
Water content (Karl Fischer)	32.0 - 35.0 %	DGF H-III 3A
Density (20 °C)	1.0600 - 1.1000 g/cm ³	DIN 51757
Viscosity Brookfield (20 °C; sp. 5, 10 rpm)	2500 - 6000 mPas	ASTM D 2196
pH value (5 %)	3.0 - 4.0	DGF H-III 1

Additional product descriptive data

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

Test property	Specification	Test method
Dry residue	64.0 - 68.0 %	DGF G-III 1



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Storage information

Shelf life

12 months

Storage temperature

Between + 10 °C and + 30 °C

Storage conditions

In original sealed containers and protected from moisture

Additional information

The product is preferably processed at temperatures between 15 and 25 °C. Storage at temperatures below 10 °C can lead to a crystallization. This property is characteristic of the product and reversible by stirring and heating at 25 - 30 °C. Due to inherent product viscosity, the possible foam layer on surface may trap crystallized product showing colored appearance by optical effect. This typical behavior should not be interpreted as quality defect of the product. Prolonged storage and transportation of this material at temperatures > 30 °C can lead to an increase in the viscosity which is not reversible but has no effect on the efficacy of Lamesoft PO 65. Only the handling must be adjusted appropriately when the viscosity has increased (while stirring the viscosity can increase). Containers and storage tanks made of steel (material no. 1.4571) are suitable for storing Lamesoft® PO 65. The product is protected against oxidation through addition of mixed tocopherols.

Stabilising additives / Auxiliaries

Preservatives

not present

Antioxidants

Mixture of Tocopherol and Hydrogenated palm glycerides citrate

Solvents

not present

Others

Citric acid for pH adjustment

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Care Chemicals**General information****Raw material basis**

Vegetable: (coconut / palm kernel oil, sunflower oil, glucose, glycerine)

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

INCI Name (US/EU/CN)	Content
Coco-Glucoside	20 - 40 %
Glyceryl Oleate	20 - 40 %

Auxiliaries

INCI Name (US/EU/CN)	Content
Citric Acid	1 - 5 %
Tocopherol	approx. 0.02 %
Hydrogenated Palm Glycerides Citrate	approx. 0.01 %

Water Content**Content**
32 - 35 %**Product properties****Solubility**

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



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Miscellaneous information

Example of use

The product is preferably used as lipid layer enhancer for the production of surfactant cleansing preparations. On account of its viscosity-increasing properties Lamesoft® PO 65 contributes to the viscosity formation in cosmetic cleansing preparations such as shower gels, foam baths, shampoos and baby products. The presence of the dermatological high value alkyl poly glycoside contributes with approx. 1.7 % to the final washing active substance considering a dosage of 5 % Lamesoft® PO 65. Correspondingly the amount of the basic or secondary surfactant can be reduced.

Intended for use as cosmetic ingredient

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