

Technical Information

Eutanol® G 16 S

PRD 30527811

Valid since 10.08.2020
Revision 8.0

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Care Chemicals**Emollient****INCI name(s)**

Hexyldecyl Stearate

Chemical description

Ester of guerbet alcohol and fatty acids

Physical form:

Clear, light yellow oil of mean polarity with a neutral odor

Molecular weight

approx. 510 g/mol

| CASR-No. | Ingredient |
|-----------------|--|
| 101227-09-2 | Fatty acids, C16-18, 2-hexyldecyl esters |

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 930006 |
| Odor at room temperature | Corresponds to the standard | Internal method 930007 |
| Acid value | max. 0.8 mg KOH/g | DGF C-V 2 |
| Saponification value | 105 - 115 mg KOH/g | DGF C-V 3 |
| Density (20 °C) | 0.850 - 0.860 g/cm ³ | ISO 2811-3 |
| Refractive index (20 °C) | 1.4535 - 1.4560 | DGF C-IV 5 |

Additional product descriptive data

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

| Test property | Specification | Test method |
|----------------------------|----------------------|--------------------|
| Iodine value (Kaufmann) | max. 4.00 g I/100 g | DGF C-V 11B |
| Hydroxyl value | max. 15 mg KOH/g | DGF C-V 17A, B |
| Cloud point | -20 - 0 °C | ISO 3015 |
| Viscosity Hoeppler (20 °C) | 29 - 34 mPas | DGF C-IV 7 |

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Care Chemicals

Storage information

Shelf life

12 months

Storage temperature

< + 30 °C

Storage conditions

In original sealed containers and protected from moisture

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 / rape oil)

Composition hints for finished product label

INCI Components

INCI Name (US/EU/CN)

Hexyldecyl Stearate

Content

Complete *

* Complete means conclusively describes the substance

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Care Chemicals**Product properties****Solubility**

| | |
|---------------|-----------------------|
| Ethylether: | very soluble |
| Chloroform: | very soluble |
| Petrolether: | very soluble |
| Ethylalcohol: | practically insoluble |
| Paraffin oil: | very soluble |
| Water: | practically insoluble |

Miscellaneous information**Example of use**

Traditional, slow spreading emollient for modern cosmetic applications which gives a luxurious feel on the skin.
Spreading value: 450 mm²/10 min.

Intended for use as cosmetic ingredient**Disclaimer**

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