

Technical Information

Cetiol® V

PRD 30527917

Valid since	22.09.2020
Revision	7.0
WF-No.	25002
Page	1 of 4

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

Decyl Oleate

Chemical description

Oleic acid decylester

Physical form:

Clear, slightly yellowish polar oil with characteristic odor and a mean molecular weight

Molecular weight

approx. 415 g/mol

CASR-No.

3687-46-5

Ingredient

Decyl 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

Appearance at room temperature

Odor at room temperature

Acid value

Iodine value

Hydroxyl value

Saponification value

Density (20 °C)

Viscosity (dynamic) 20 °C

Refraction index (20 °C)

Peroxide value

(at batch release 0.0 - 3.0 meq/kg)

Specification

Corresponds to the standard

Corresponds to the standard

0.0 - 1.0 mg KOH/g

55.0 - 65.0 g I/100 g

0.0 - 2.0 mg KOH/g

130.0 - 140.0 mg KOH/g

0.860 - 0.870 g/cm³

15.0 - 20.0 mPas

1.4555 - 1.4575

0.0 - 8.0 meq/kg

Test method

Internal method 930006

Internal method 930007

DGF C-V 2

DGF C-V 11A

DGF C-V 17A,B

DGF C-V 3

DIN 51757

DGF C-IV 7

DGF C-IV 5

DGF C-VI 6A

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Care Chemicals**Additional product descriptive data**

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

Test property

Cloud point

Specification

max. 5 °C

Test method

Internal method 930052

Storage information**Shelf life**

12 months

Storage temperature

Between + 5 °C and + 30 °C

Storage conditions

In original sealed containers and protected from moisture

Additional information

Through addition of mixed tocopherols the product is protected from autoxidation. Depending on the storage temperature, the peroxide value may increase. The product quality is not impaired as long as the peroxide value remains below 8.0.

Stabilising additives / Auxiliaries**Preservatives**

not present

Antioxidants

Mixed tocopherols and synergists

Solvents

not present

Others

not present



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Care Chemicals

General information

Raw material basis

Vegetable: (coconut /palm kernel oil)

Composition hints for finished product label

INCI Components

INCI Name (US/EU/CN)

Decyl Oleate

Content

Complete *

* Complete means conclusively describes the substance

Auxiliaries

INCI Name (US/EU/CN)

Tocopherol

Hydrogenated Palm Glycerides Citrate

Content

approx. 0.03 %

approx. 0.01 %

Product properties

Solubility

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

Miscellaneous information

Example of use

Cetiol® V is a traditional medium spreading emollient for modern cosmetic applications.



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Care Chemicals

Intended for use as cosmetic ingredient

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