

Technical Information

Cetiol® V

PRD 30527917

Valid since	18.07.2023
Revision	7.0
WF-No.	25002
Page	1 of 4

® = registered trademark of BASF in many countries ™ = Trademark of BASF

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.	Ingredient	Remark
3687-46-5	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	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	0.0 - 1.0 mg KOH/g	DGF C-V 2
Iodine value	55.0 - 65.0 g I/100 g	DGF C-V 11A
Hydroxyl value	0.0 - 2.0 mg KOH/g	DGF C-V 17A,B
Saponification value	130.0 - 140.0 mg KOH/g	DGF C-V 3
Density (20 °C)	0.860 - 0.870 g/cm ³	DIN 51757
Viscosity (dynamic) 20 °C	15.0 - 20.0 mPas	DGF C-IV 7
Refraction index (20 °C)	1.4555 - 1.4575	DGF C-IV 5
Peroxide value (at batch release 0.0 - 3.0 meq/kg)	0.0 - 8.0 meq/kg	DGF C-VI 6A



We create chemistry

Technical Information

Cetiol® V

PRD 30527917

Valid since 18.07.2023
Revision 7.0
WF-No. 25002
Page 2 of 4

® = registered trademark of BASF in many countries ™ = Trademark of BASF

Care Chemicals

Additional product descriptive data

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

Test property	Specification	Test method
Cloud point	max. 5 °C	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



We create chemistry

Technical Information

Cetiol® V

PRD 30527917

Valid since 18.07.2023
Revision 7.0
WF-No. 25002
Page 3 of 4

® = registered trademark of BASF in many countries ™ = Trademark of BASF

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.



We create chemistry

Technical Information

Cetiol® V

PRD 30527917

Valid since	18.07.2023
Revision	7.0
WF-No.	25002
Page	4 of 4

® = registered trademark of BASF in many countries ™ = Trademark of BASF

Care Chemicals

Intended for use as cosmetic ingredient

Disclaimer

This document, or any answers or information provided herein by BASF, does not constitute a legally binding obligation of BASF. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. It does not relieve our customers from the obligation to perform a full inspection of the products upon delivery or any other obligation. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.