



Dermolife di Margonari Maria Franca
Via Don Emilio Perugini 14 - 38121 Vigo Meano TRENTO (IT)
Tel : +39 340 585 1384
Mail : info@dermolife.it
Web : www.dermolife.it
P.I. 02202500225
C.F. MRGMFR66A69L378D

TEGOSOFT® DO

Lipophilic cosmetic oil, chemically similar to natural wax esters

- Universal emollient with refatting properties
- Especially suitable for dry skin applications
- Solvency for lipophilic active ingredients

Goldschmidt Personal Care

I metodi di analisi non indicati sono metodi interni del produttore ottenibili su specifica richiesta

Le informazioni sopra riportate non Vi sollevano dall'obbligo di identificare il prodotto prima dell'impiego. DERMOLIFE non si assume alcuna responsabilità per danni a persone o cose derivanti dall'impiego dei prodotti da noi commercializzati

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INCI Name (CTFA Name)

Decyl Oleate

Chemical and physical properties (not part of specifications)

Form	liquid
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Further product information (not part of specifications)

Density (g/cm ³)	approx. 0.86
Viscosity at 25 °C according to Höppler (mPas)	approx. 14
Surface tension at 25 °C according to ring method (mN/m)	approx. 31
Spreadability	medium spreadability
Polarity	high polarity
Pour point following DIN ISO 3016 (°C)	-6

Maximum solubility of UV filters in TEGOSOFT® DO [%]

Benzophenone-3	7
4-Methylbenzylidene Camphor	25
Butyl Methoxy-dibenzoylmethane	10

Properties

- High polarity
- Cosmetic ester with a composition similar to that of the natural skin lipids
- Emollient with refatting properties
- Solvency for lipophilic active ingredients

Application

TEGOSOFT® DO is especially suitable for

- skin care creams and lotions
- body oils

Packaging

720 kg pallet (4 x 180 kg drum)

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

Guide Line Formulations

W/O Cream F 25/96	
Phase A	
ISOLAN® GI 34 (Polyglyceryl-4 Isostearate)	1.5 %
ABIL® EM 90 (Cetyl PEG/PPG-10/1 Dimethicone)	1.0 %
Hydrogenated Castor Oil	0.8 %
Microcrystalline Wax	1.2 %
TEGOSOFT® OP (Ethylhexyl Palmitate)	11.0 %
TEGOSOFT® DO	10.5 %
Phase B	
Glycerin	3.0 %
Magnesiumsulfate Heptahydrate	0.6 %
Water	70.4 %
Preservative, Parfum	q.s.
Preparation:	
1. Heat phase A to 80 °C.	
2. Add phase B (80 °C or room temperature) slowly while stirring.	
3. Homogenise for a short time.	
4. Cool while gentle stirring below 30 °C.	
5. Homogenize again (particle size < 2 µm).	

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O/W Cream F 23/97	
Phase A	
TEGO® Care 450 (Polyglyceryl-3 Methylglucose Distearate)	3.0 %
TEGIN® M Pellets (Glyceryl Stearate)	2.0 %
TEGO® Alkanol 18 (Stearyl Alcohol)	1.0 %
TEGOSOFT® OS (Ethylhexyl Stearate)	10.0 %
TEGOSOFT® DO	9.0 %
Phase B	
Glycerin	3.0 %
Water	72.0 %
Phase Z	
Preservative, Parfum	q.s.
Preparation: 1. Charge with phase B and heat to approx. 70 °C. ¹⁾ 2. Heat phase A to approx. 70 °C and add to phase B with stirring. 3. Homogenise. 4. Cool with gentle stirring.	
¹⁾ Important information: If phase A has to be charged into the vessel first, phase B must be added to phase A without stirring .	

O/W Baby Lotion Ma 5/00-22	
Phase A	
TEGOSOFT® DO	5.7 %
TEGOSOFT® OS (Ethylhexyl Stearate)	6.5 %
Stearic Acid	0.5 %
TEGIN® 4100 Pellets (Glyceryl Stearate)	0.5 %
Phase B	
TEGO® Care CG 90 (Cetearyl Glucoside)	1.0 %
Glycerin	3.0 %
Water	81.3 %
Panthenol	0.5 %
Phase C	
TEGO® Carbomer 141 (Carbomer)	0.2 %
TEGOSOFT® OS (Ethylhexyl Stearate)	0.8 %
Phase DD	
Sodium Hydroxide (10% in water)	q.s.
Phase Z	
Preservative, Parfum	q.s.
Preparation: 1. Heat phase A and B separately to approx. 80 °C. 2. Add phase A to phase B with stirring.* 3. Homogenise. 4. Cool with gentle stirring to approx. 60 °C and add phase C. 5. Homogenise for a short time. 6. Cool with gentle stirring to approx. 40 °C and add phase D.	
[*] Important information: If phase A has to be charged into the vessel first, phase B must be added to phase A without stirring .	

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Product specification

Material TEGOSOFT DO
Spec.Code K00 STANDARD

Evonik Nutrition & Care GmbH

Personal Care Business Line
Goldschmidtstrasse 100
45127 Essen
Phone: +49 (201) 173-2524
Fax: +49 (201) 173-1828
<http://www.evonik.com/personal-care>
personal-care@evonik.com

Inspection Characteristics	Method	Limits	Units	Z
Refractive index / 20°C	GM_0120_01	1.4550-1.4570		X
Density / 20°C	GM_0110_01	0.860-0.870	g/ml	X
Solidificationspoint	GM_0151_01	<=0.0	°C	X
Colour to Hazen	GM_0140_01	<=150.0	Haze	X
Hydroxyl value	GM_0020_01	<=5.0	mg KOH/g	X
Iodine value	GM_0050_01	55.0-65.0	g I/100g	X
Acid Value	GM_0010_01	<=1.0	mg KOH/g	X
Saponification Value	GM_0030_04	130.0-140.0	mg KOH/g	X

Report on inspection certificate: X = specific/actual value, C = unspecific value/conformity, T = not reported

This document is computer printed and therefore valid without signature.

All warranty claims in respect of the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the criteria for our internal quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when despatched from the works.

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TEGOSOFT® DO

Product data record (PDR)

1. General information

1.1 Supplier

1.2 Product Description

1.2.1 Raw material category Liquid Lipophilic Emollient

1.2.2 Ingredients according to INCI
Decyl Oleate

1.2.3 Composition

Components	Source	Ratio
Decyl Oleate	vegetable	100 %

This composition information serves for information of our customers only.
It is neither relevant for the composition listing according to Regulation (EC) No 1223/2009, nor does it reflect the chemical composition according to the different chemical regulations in the world which is disclosed in the table "information on ingredients/hazardous components" in the relevant parts of the respective (Material) Safety Data Sheets.

1.2.4 Solvents, preservatives and other additives

	CAS No.	EINECS / EC No.	content	Function
no additives				

Unless mentioned in our PDR under section 2.1 (By products) or 2.2 (CMR), no components which are listed in Annex II of the Regulation (EC) No 1223/2009 and its modifications and updates are added to and are not to be expected in the above mentioned product due to the raw materials used and the production process.

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2. Information on production process

General description of production process:
Esterification product

The product is not irradiated.

TEGOSOFT® DO is produced in the strictest absence of any animal derived material of any type.

Residual plant based source (dominant origin of main constituents): palm oil/ palm kernel oil
GMO–Status:

The item does not contain ingredients that might have been derived from GM sources. However max 0.9 % cross-contamination is possible. Any protein or DNA is not present. Consequently the product will be PCR negative when tested.

2.1 By products

		method
Residual solvents	not applicable	
Free amines	not applicable	Chromatography
Nitrosamines	not applicable	
Monochloroacetic acid	not applicable	Chromatography
Dichloroacetic acid	not applicable	Chromatography
1,4–Dioxane	not applicable	
Pesticides	meets the valid regulatory requirements for limits on agricultural pesticides	
Heavy metals (Cu; Pb; Sn; Pt; Pd; Hg; As; Cd; Ni)	max. 20 ppm	AAS–ICP
Hg; As; Cd; Ni respective	< 1 ppm	AAS–ICP
Latex	not to be expected in the product due to the raw materials used and the production process	
VOC	< 3 % according to SR (Swiss Right) 814.018	

2.2 CMR (Carcinogenic, Mutagenic or Reprotoxic)

The use in cosmetic products of substances classified as CMR substances, of category 1A or 1B or 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008 shall be prohibited.

Further Information:

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:342:0059:0209:en:PDF>

Some of the CMR substances listed in Annex VI to Regulation (EC) No 1272/2008 are used as starting materials for the production of our cosmetic raw materials.

Some of the CMR substances mentioned below and listed in Annex VI to Regulation (EC) No 1272/2008 are used as starting materials for the production of our cosmetic raw materials and may require California reporting under Proposition 65 or the Safe Cosmetics Act, SB 484.

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CMR substance	Starting material	max. concentration	method
Ethylene Oxide	no		
Propylene Oxide	no		
Octamethylcyclotetrasiloxane (D4)	no		
2-Ethylhexanoic Acid	no		
n-Hexane	no		
Methyl Chloride	no		
Dimethyl Sulphate	no		

2.3 "Allergens" according to the Regulation (EC) No 1223/2009

The presence of substances, the mention of which is required under the column 'Other' in Annex III, shall be indicated in the list of ingredients in addition to the terms perfume or aroma.

The cosmetic raw materials and the cosmetic actives supplied by Evonik Personal Care are manufactured without the use of perfumes and fragrances. An analytical proof for the absence in traces of the substances to be mentioned in addition to the terms perfume or aroma is not performed in cosmetic raw materials, which are chemically produced.

None of these substances have been intentionally added to our cosmetic raw materials or are formed during the manufacturing process according to our knowledge of the chemistry.

2.4 Food Ingredients listed in Annex II of Regulation (EU) No 1169/2011

None of these substances have been intentionally added to our cosmetic raw materials or are formed during the manufacturing process according to our knowledge of the chemistry.

3. Microbiological status

Total Viable Count max. 100 cfu/g
Pathogens* absent/g

*Pathogens are: Enterobacteria, Pseudomonas, Enterococci, Candida albicans, Staphylococci

4. Shelf life / storage conditions

360 days after production (unopened original packaging)

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5. Regulatory Status

5.1 HS-Code 291615
EU-CN-Code 29161500

5.2 Regulatory status (chemical regulations)

Europe

Components	REACH status	CAS No.	EINECS / EC No.
Decyl Oleate	Reg. No. 01-2119489425-28	3687-46-5	222-981-6

Other countries/regions

Country		yes / no	Remark
Australia	AICS:	yes	
China	IECSC:	yes	
Canada	DSL: NDSL:	yes	
Taiwan	TCSI:		

In the following countries the relevant authorities currently do not require pre-market approval for cosmetic raw materials:

Brazil, Japan, South Korea, Philippines, USA

5.2.1 Regulatory status (cosmetic regulation)

Country		yes / no	Remark
China	CFDA:	yes	
Japan	JSQI:	yes	JSQI No. 101696, but specifications not controlled

6. Toxicology and Ecotoxicology

Refer to summary of ecotoxicological and toxicological data

7. Packaging

720 kg (4 x 180 kg drum)

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