

TEGOSOFT® CT

Cosmetic ester with properties similar to natural triglycerides but with a pleasant skin feel

Intended use

Liquid lipophilic emollient

Benefits at a glance

- Very high ability to solve lipophilic active ingredients and UV filters
- Universal emollient with good skin care properties
- Vegetable based

INCI (PCPC Name)

Caprylic/Capric Triglycerides

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. 0.94
Viscosity at 25 °C according to Höppler (mPas)	approx. 24
Surface tension at 25 °C according to ring method (mN/m)	approx. 29
Spreadability	medium spreading
Polarity	medium polarity

Pour point following DIN ISO 3016 (°C)	approx. -4
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Maximum solubility of UV filters in TEGOSOFT® CT [%]

Benzophenone-3	15
4-Methylbenzylidene Camphor	20
Butyl Methoxy-dibenzoylmethane	10

Properties

- Medium polarity
- Very good solvent for lipophilic active ingredients and UV filters
- Universal emollient with good skin care properties and pleasant afterfeel on the skin
- Oxidation stable

Application

TEGOSOFT® CT is suitable as an emollient for

- all types of creams and lotions, especially sun care products
- body oils
- lipsticks
- bath oils
- shampoos and cleansers

Registration for pharmaceutical products

DAB 10

Pharmacopée Française, 10ème édition

Packaging

760 kg pallet (4 x 190 kg)

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 case of accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

Guideline formulations

Skin Care Oil F 11/99	
TEGOSOFT® CT	50.00%
TEGOSOFT® M (Isopropyl Myristate)	20.00%
TEGOSOFT® liquid (Cetearyl Ethylhexanoate)	20.00%
Simmondsia Chinensis (Jojoba) Seed Oil	10.00%
Antioxidants, Perfume	q.s.
Preparation: Mix the ingredients in the given order.	

Insect Repellent Lotion SZ 31/13-15	
Phase A	
TEGO® Care PBS 6 (Polyglyceryl-6 Stearate (and) Polyglyceryl-6 Behenate)	3.00%
TEGIN® M Pellets (Glyceryl Stearate)	0.75%
TEGO® Alkanol 1618 (Cetearyl Alcohol)	0.75%
TEGOSOFT® CT	10.00%
Ethyl Butylacetylaminopropionate (Insect Repellent 3535, Merck KGaA)	10.00%
Phase B	
Glycerin	3.00%
Water	71.50%
Phase C	
Polyacrylamide (and) C13-14 Isoparaffin (and) Laureth-7 (Sepigel 305, Seppic)	1.00%
Phase Z	
Preservative, Perfume	q.s.
Preparation: 1. Heat phase A and B separately to approx. 80 °C. 2. Add phase A to phase B with stirring. ¹⁾ 3. Homogenize. 4. Cool with gentle stirring, add phase C below 40 °C. 5. Homogenize for a short time. *Important: If phase A has to be charged into the vessel first, phase B must be added without stirring .	

W/O Night Cream	
F 10/97	
Phase A	
ABIL® EM 90 (Cetyl PEG/PPG-10/1 Dimethicone)	2.00%
ISOLAN® GI 34 (Polyglyceryl-4 Isostearate)	1.00%
Beeswax	1.20%
Hydrogenated Castor Oil	0.80%
Isohexadecane	9.50%
TEGOSOFT® CT	6.00%
TEGOSOFT® liquid (Cetearyl Ethylhexanoate)	4.00%
Tocopheryl Acetate	0.50%
Phase B	
Sodium Chloride	0.50%
Propylene Glycol	2.00%
Water	72.50%
Preservative, Perfume	q.s.
Preparation:	
1. Charge with phase A and heat to approx. 80 °C.	
2. Add phase B (80 °C or room temperature) slowly with stirring.	
3. Homogenize for a short time.	
4. Cool with gentle stirring and homogenize again below 30 °C.	

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The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used. (Status: April, 2008)

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Product specification**TEGOSOFT CT**

Substance No: 202055
 Spec.Code: S00: STANDARD
 Version: 7
 Version from: 17.06.1999
 Print-out date: 02.08.2011

Insp. Characteristic	Method	Limits	Unit	
Refractive index / 20°C	GM_0120_01	1,4400-1,4520		X
C-Distribution C 10	GM_0300_01	20,0-50,0	%	X
C-Distribution C 12	GM_0300_01	< = 3,0	%	X
C-Distribution C 14	GM_0300_01	< = 1,0	%	X
C-Distribution C 6	GM_0300_01	< = 2,0	%	X
C-Distribution C 8	GM_0300_01	50,0-80,0	%	X
Density / 20°C	GM_0110_01	0,930-0,960	g/ml	X
Colour to Hazen	GM_0140_01	< = 50,0	Hazen	X
Hydroxyl value	GM_0020_01	< = 10,0	mg KOH/g	X
Iodine value	GM_0050_01	< = 1,00	g l/100g	X
Peroxide number	GM_0070_01	< = 1,0	mVAL 02/kg	X
Acid Value	GM_0010_01	< = 0,20	mg KOH/g	X
Unsaponification Content	GM_0031_01	< = 0,50	%	C
Saponification Value	GM_0030_01	310-360	mg KOH/g	X
Viscosity / 20°C	GM_0100_01	25-33	mPa.s	X
Water Content	GM_0080_01	< = 0,20	%	X

Print on inspection document:

X = Actual measured value reported.

C = 'Conforms' is printed as characteristic value.

This print-out is valid unsigned.

TEGOSOFT® CT

Product data record

1. General information

1.1 Manufacturer/Supplier

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1.2 Product Description

1.2.1 Raw material category Liquid Lipophilic Emollient

1.2.2 Ingredients according to INCI

Caprylic/Capric Triglyceride

1.2.3 Composition

Components	Source	Ratio
Caprylic/Capric Triglyceride	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				

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.

2. Information on production process

General description of production process:
Esterification product

The product is not irradiated.

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

Origin of vegetable starting material: palm kernel oil, rapeseed

GMO-Status:

The item contains ingredients derived from rapeseed (including oils and other refined ingredients), but these ingredients are sourced from an "Identity Preserved" programme and can be certified NON-GM.

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	
Total heavy metals	max. 20 ppm	AAS-ICP
As, Cd, Co, Cr, Hg, Ni, Pb, Sb	Each < 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 mentioned below and listed in Annex VI to Regulation (EC) No 1272/2008 are used as starting materials or solvents for the production of our cosmetic raw materials and may require reporting under California Proposition 65 or the Safe Cosmetics Act, SB 484.

The presence of these prohibited substances has to be seen as non-intended. It is stemming from impurities of the starting materials or the manufacturing process which is technically unavoidable in good manufacturing practice.

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 mentioning of which is required under the column 'Other' in Annex III, shall be indicated in the list of ingredients in addition to the terms parfum 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 parfum 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 IIIa of Commission Directive 2007/68/EC.

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

24 months after production (unopened original packaging)

5. Regulatory Status

5.1 Customs tariff number 15162098

5.2 Regulatory status (chemical regulations)

Europe

Components	REACH status	CAS No.	EINECS / EC No.
Caprylic/Capric Triglyceride	Reg. No. 01-2119492306-35	73398-61-5	277-452-2

Other countries

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

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. 111164, but specifications not controlled

6. Toxicology and Ecotoxicology

Refer to summary of ecotoxicological and toxicological data