

TECHNICAL DATASHEET

Cosphaderm® Feel

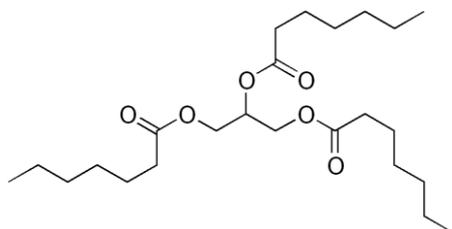
1.1 General information

Trade name:	Cosphaderm® Feel
Item no.:	07-007-xxxx
Supplier:	Cosphatec GmbH Hopfenmarkt 33 20457 Hamburg Germany
Chemical name:	Propane-1,2,3-triyl trisheptanoate
Other names:	Glyceryltriheptanoate
INCI name:	Triheptanoin
CAS No.:	620-67-7
EINECS/ EC No.:	210-647-2
IECIC:	Triheptanoin

1.2 Product composition

INCI name	CAS No.
Triheptanoin	620-67-7

1.3 Chemical structure



1.4 Product short description

Cosphaderm® Feel is a novel triglyceride oil ingredient which offers an excellent velvety sensation and rich skin feel for all types of emulsions, hair-care applications and decorative cosmetic products. It is free of palm oil, manufactured from 100% natural materials and conforms to ECOCERT & COSMOS standards.

Due to the short chain fatty acids extracted from castor beans, Cosphaderm® Feel is a polar oil component with exceptionally high spreadability and excellent skin lubrication. It can be used as a substitution for Cyclomethicone D5 to facilitate a *silicone-free*-claim. Due to the polar and slightly viscous character, Cosphaderm® Feel also shows the ability to finely disperse pigments and keep them evenly distributed, rendering further production steps easier.

1.5 Application

Recommended concentration:	5–10 %
Conditions:	oil soluble, temperature stable
Hints:	add recommended application concentration to the oil phase of your formulation and adjust concentration based on the desired effect

2.1 Specified data analyzed per batch

Appearance:	Colourless, slightly viscous liquid
Glyceryltriheptanoate Content:	min 95.0 %
Acid Value:	max 0.3 mg KOH/g
Saponification Value:	380 – 395 mg KOH/g
Hydroxyl Value:	max 10 mg KOH/g
Colour:	max 150 Hazen

2.2 Specified data analyzed periodically

Microbial data:	Total Aerobic Count	max 100 cfu/g
	Yeast and Moulds	max 100 cfu/g
Heavy Metals:		max 10 ppm

3.1 Physical and chemical properties

Molecular formula:	$C_{24}H_{44}O_6$
Molecular weight:	428.6 g/mol
Appearance:	Colourless liquid

Density:	0.96 g/cm ³
Vapour Pressure:	<0.0001 Pa (20 °C)
Octanol/Water partition coefficient:	8.86 (22 °C)
Kinematic viscosity:	20 mm ² /s (20 °C)
Odour:	Almost odourless
Solubility:	Soluble in oil

3.2 Packing and Storage conditions

Packing sizes:	Cosphaderm® Feel is offered in 25 kg plastic canisters.
Storage conditions:	Store at room temperature
Shelf life:	At least 36 months if unopened and stored under proper conditions

4.1 Regulatory compliance

Triheptanoin (CAS: 620-67-7) is included/listed in the following international inventories: EINECS (Europe); ENCS (Japan); TSCA (USA); NDSL (Canada); IECSC (China).

4.2 Regulatory status for cosmetic application

Product complies with Regulation (EU) No. 1223/2009 in all the defined requirements.

4.3 Additives

Product contains only the specified ingredients. No other substances like preservatives, antioxidants, fragrances, colorants or other are added.

4.4 Impurities

	Not expected*	Present [#]	ppm
BSE/TSE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Dioxin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Formaldehyde	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Gluten	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Lactose	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pesticides	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Phthalates	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Residual solvents	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Heavy metals	ppm		
	total	≤ 10	

4.5 Allergens

Product does not contain any of the 26 allergenic flavors or fragrances listed in Regulation (EC) No. 1223/2009 Annex III.

4.6 VOC

Product does not contain any of the listed volatile organic compounds (VOCs) in an amount of > 3%.

4.7 CMR

Product is not rated as CMR (category 1A, 1B and 2) and does not contain any ingredient rated as CMR according to Regulation (EC) No. 1223/2009 in association with Regulation (EC) No. 1272/2008/EC.

4.8 SVHC

Product is neither listed as SVHC substances nor contains any material which is listed as SVHC substance.

4.9 Nanomaterial

Product is not embraced by article 16 Regulation (EC) No. 1223/2009.

4.10 Animal testing

The Cosphatec GmbH has not conducted any animal testing for cosmetic purpose since March 11th 2009.

4.11 Irradiation

Product has not been irradiated in any step of the entire production process.

4.12 Origin

Substances (INCI name)	Synthetic	Vegetal	Biotechnology
Triheptanoin	<input type="checkbox"/>	<input checked="" type="checkbox"/> Name of the plant: Rape; castor oil plant Origin: EU; India	<input type="checkbox"/> Microorganism used:

4.13 GMO

The product is not subject to labelling according to Regulations (EC) No. 1829/2003 and 1830/2003.

4.14 Certifications

COSMOS

Other Information

This information and our technical application advice are given to the best of our knowledge, but they are for information purposes only and given without responsibility. The advice doesn't exempt you from doing your own testing, particularly with regard to the qualification of our products for its intended processes and purposes. Application, use and handling of our products take place out of our control and are solely your responsibility. The sale of our products occurs according to our current general sales terms and delivery conditions.

* not expected to be present due to raw materials, production process and used equipment. Not regularly analysed.

#expected to be present due to raw materials, production process and used equipment. Periodically analysed.