

TECHNICAL DATASHEET

Cosphaderm® Touch

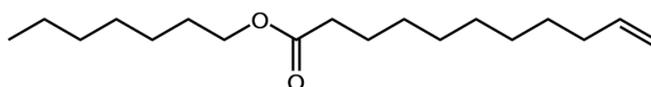
1.1 General information

Trade name:	Cosphaderm® Touch
Item no.:	07-016-xxxx
Supplier	Cosphatec GmbH Hopfenmarkt 33 20457 Hamburg Germany
Chemical name:	Heptyl 10-undecenoate
Other names:	Heptyl Undecylenate
INCI name:	Heptyl Undecylenate
CAS No.:	68141-27-5
EINECS/ EC No.:	268-850-7
IECIC:	Heptyl Undecylenate

1.2 Product composition

INCI name	CAS No.
Heptyl Undecylenate	68141-27-5

1.3 Chemical structure



1.4 Product short description

Cosphaderm® Touch is a completely natural emollient with moisturizing and skin conditioning properties. It has its origin in castor oil and thus is 100 % vegetable derived. This product can be used in all fields of cosmetics and personal care, like sunscreens, moisturizers, lotions, make-up and antiperspirants.

The pronounced light and dry character of Cosphaderm® Touch makes it a natural alternative to synthetic fluids such as cyclomethicone and mineral oils. In combination with natural oils, you can imitate the soft and velvety skin feeling while using ECCOCERT approved raw materials.

1.5 Application

Recommended concentration:	2.0 %
Conditions:	soluble in fats and oils
Hints:	add recommended concentration to the fat phase of your formulation

2.1 Specified data analyzed per batch

Appearance:	pale liquid
Colour (APHA):	max 50 Hazen
Odour:	almost odourless
Clarity:	clear
Moisture:	max 0.10 % w/w
Acid Value:	max 0.10 mg KOH/g

3.1 Physical and chemical properties

Molecular formula:	$C_{18}H_{34}O_2$
Molecular weight:	282.46 g/mol
Appearance:	Pale yellow liquid
Odour:	Almost odourless
Solubility:	Soluble in fats and oils
Ignition Point:	170 °C
Boiling Point:	350 – 352 °C
Density:	0.87 g/cm ³
Viscosity:	5.6 m ² /s at 25 °C
Partition Coefficient:	log P _{OW} = 7.64

3.2 Packing and Storage conditions

Packing sizes:	Cosphaderm® Touch is offered in 20 kg plastic containers.
Storage conditions:	Store at room temperature in a dark and dry place

Shelf life: At least 36 month if unopened and stored under proper conditions

4.1 Regulatory compliance

Heptyl Undecylenate (CAS: 68141-27-5) is included/listed in the following international inventories: EINECS (Europe); TCSI (Taiwan); ENCS (Japan); DSL (Canada); KECI (Korea); IECSC (China); AICS (Australia); PICCS (Philippines); TSCA (U.S.A.)

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	
	Arsenic (As)	≤ 1	

	Lead (Pb)	≤ 1
	Mercury (Hg)	≤ 1
	Cadmium (Cd)	≤ 1

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 volatile organic compound.

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 with 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
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Heptyl Undecylenate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Name of the plant: <i>Rizinus communis</i> Plant part used: Seeds Origin: India	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

ECOCERT

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.