



## Data Profile

# CETIOL® SENSOFT

### Producer / Supplier

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### General characterisation

#### Chemical description

Propylheptyl Caprylate

#### Mol weight

approx. 284 g/mol

#### Raw material basis

vegetable	(coconut/ palm kernel oil)
petrochemical	(propylheptanol)

### Labeling information

#### INCI name(s)

Propylheptyl Caprylate

#### Composition hints for finished product label

Propylheptyl Caprylate

### Registrations

Ingredient	CASR-No. 868839-23-0	EINECS/ELINCS-No. in progress
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### Manufacturing procedure

C8 fatty acid methyl ester and propylheptanol are transesterified at increased temperature.

### Product properties

#### Appearance

Cetiol® SenSoft is a clear, colourless, almost odourless oil of low polarity with low molecular weight.  
Spreading value                      approx. 1900 mm<sup>2</sup>/10 min

### Example of use

Fast spreading emollient with a multi-dimensional softness sensation for all cosmetic applications. Suitable for decorative cosmetics as well as sun care formulations due to its outstanding solubilizing capacities for crystalline UV filters & pigment dispersing properties and for Face / Body care applications.

### Solubility according to Ph. EUR.

Ethylether	no data available
Petrolether	no data available
Ethylalcohol	no data available
Paraffin oil	soluble
Water	practically insoluble

### 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.

### Provisional quality control data

(Data which is used for quality release and is certified for each batch.)

Appearance	conforms to standard	
Odour	conforms to standard	
Acid value	max. 0.2	ISO 4314
Saponification value	190 - 205	ISO 3681
Colour (HAZEN)	max. 15	ISO 6271
Water content	max. 0,3 %	ISO 4317
Refractive index (20°C)	1.435 - 1.445	ISO 6320
Density (20°C)	0.855 - 0.863 g/cm³	ISO 2811-3

### Provisional additional product descriptive data

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

OH value	max. 0,5	DIN 53240
Cloud point	max. - 20 °C	ISO 3015

### Methods of identification

By the characteristic values described under section 'Quality Control Data'.

### By-products and impurities

(not regularly determined)

Amidoamine	not present due to the process		
Arsenic	below detection limit	ICP-OES / MS	1 ppm
Boron	below detection limit	ICP-OES / MS	1 ppm
Heavy metals (total as Pb)	below detection limit	ICP-OES / MS	10 ppm
<i>Chloro organic compounds</i>			
AOX	not present due to the process		
EOX	not present due to the process		
Dichloro acetic acid	not present due to the process		
Diethanolamine	not present due to the process		
Dimethyl sulfate	not present due to the process		
1,4-Dioxane	not present due to the process		
Ethylene chlorohydrin	not present due to the process		
Ethylene oxide	not present due to the process		
Glucose	not present due to the process		
Iron	below detection limit	ICP-OES / MS	1 ppm

Magnesium	not present due to the process		
Monochloro acetic acid	not present due to the process		
Nitrosamine	not present due to the process		
Polyglucose	not present due to the process		
Solvent traces	not present due to the process		
Sulphated ash	below detection limit	Ph.EUR.method 2.4.14.	0,05 %
Sulphite	not present due to the process		
Triethanolamine	not present due to the process		

## Stabilising additives / Auxiliaries

(type and concentration)

### Preservatives

not present

### Antioxidants

250-500 ppm natural mixed tocopherols

### Solvents

not present

### Others

not present

## Microbiological information

Germ content <100 CFU/g

## Toxicological / Dermatological information

Information is available for the following tests in:

Acute oral toxicity	(OECD 423, internal data)
Acute dermal toxicity	(OECD 402, internal data)
Dermal irritation	(OECD 404, internal data; Human Patch Test, internal data)
Eye irritation	(OECD 405, internal data)
Skin sensitization	(OECD 429, internal data; HRIPT, internal data)
Repeated dose toxicity	(OECD 408, internal data)
Mutagenicity	(OECD 471, internal data; OECD 473, internal data)

## Ecological information

### Water hazard class (WGK)

WGK = 1, slightly water-endangering product (classification in conformity with Annexes 3 of the German VwVwS of 17. Mai 1999).

### Biodegradability

Readily and rapidly degradable. All organic substances contained in the product achieve > 60% BOD/COD or CO<sub>2</sub> liberation, or > 70% DOC reduction in tests for ease of degradability. Threshold values for 'readily degradable' (e.g. to OECD method 301) are reached.

### **Aquatic toxicity**

Acute fish toxicity: LC50 > 1 - <= 10 mg product/l.

Acute invertebrate toxicity: EC50 > 1 - <= 10 mg product/l.

Acute bacterial toxicity: EC0 > 100 mg product/l.

Aquatic plant/algae toxicity: EC50 > 100 mg product/l.

### **Storage and transportation**

Cetiol® SenSoft is stabilized against autoxidation with natural mixed tocopherols. In the original unopened containers Cetiol® SenSoft can be stored for at least two years, protected from moisture at below 30°C. Cetiol® SenSoft is not hazardous for transport according to RID, ADR, ADN, IMDG, IATA-DGR.

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