

TEGOSOFT® liquid

Medium viscous cosmetic ester similar to natural purcellin oil

- Emollient ester with good spreading properties
- Oxidation stable
- Low occlusivity

Personal Care

INCI Name (CTFA-Name)

Cetearyl Ethylhexanoate

**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. 0.85
Viscosity at 25 °C according to Höppler (mPas)	approx. 11
Surface tension at 25 °C according to ring method (mN/m)	approx. 30
Spreadability	high spreadability
Polarity	medium polarity
Pour point following DIN ISO 3016 (°C)	0

**Maximum solubility of UV filters
in TEGOSOFT® liquid [%]**

Benzophenone-3	6
Butyl Methoxy-dibenzoylmethane	8

Properties

- Medium viscous cosmetic ester similar to natural purcellin oil
- Emollient with good spreading properties and low occlusivity
- Miscible with other cosmetic oils and fats
- Oxidation stable

Application

TEGOSOFT® liquid is suitable for

- O/W creams and lotions
- W/O creams and lotions
- sun protection creams and lotions

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 case of accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

Guide Line Formulations

W/O Lotion F 13/97	
Phase A	
ABIL® EM 90 (Cetyl Dimethicone Copolyol)	2.00 %
TEGOSOFT® OS (Ethylhexyl Stearate)	7.00 %
TEGOSOFT® liquid	7.00 %
Isohexadecane	7.00 %
Microcrystalline Wax ¹⁾	0.50 %
Hydrogenated Castor Oil	0.50 %
Phase B	
Sodium Chloride	0.50 %
LACTIL® (Sodium Lactate; Sodium PCA; Glycine; Fructose; Urea; Niacinamide, Inositol; Sodium Benzoate; Lactic Acid)	2.00 %
Water	68.50 %
Phase C	
Alcohol	5.00 %
Preservative, Parfum	q.s.
Preparation:	
<ol style="list-style-type: none"> 1. Heat phase A to approx. 80 °C. 2. Add phase B (80 °C or room temperature) slowly with stirring. 3. Homogenise for a short time. 4. Cool with gentle stirring. 5. Add phase C at approx. 40 °C . 6. Homogenise again below 30 °C. 	

¹⁾e. g. Paracera W 80 from Paramelt B.V.

Sprayable O/W Deodorant Lotion Ze 32/96	
Phase A	
TEGINACID® H (Glyceryl Stearate, Ceteth-20)	3.00 %
TEGODEO® CW 90 (Zinc Ricinoleate; Tetrahydroxypropyl Ethylenediamine; Laureth-3; Propylene Glycol)	2.00 %
TEGOSOFT® liquid	3.00 %
TEGOSOFT® CT (Caprylic/Capric Triglyceride)	3.00 %
TEGO® Alkanol 18 (Stearyl Alcohol)	1.00 %
ABIL® 350 (Dimethicone)	0.50 %
Phase B	
Glycerin	3.00 %
Water	84.35 %
Phase C	
Citric Acid (50 %)	0.15 %
pH value: 6.0 – 7.0	
Preservative, Parfum	q.s.
Preparation:	
<ol style="list-style-type: none"> 1. Heat phase A and B separately to approx. 80 °C. 2. Add phase A to phase B with stirring. Homogenise. 3. Cool with gentle stirring. 4. Add phase C below 40 °C. 	
Important: If phase A has to be charged into the vessel first, phase B must be added without stirring .	

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