

TEGOSOFT® OP

Universal emollient with skin conditioning properties

- Emollient ester with low occlusivity
- Gives a pleasant skin feel
- Oxidation stable
- Good solubilizer for active ingredients

Personal Care

INCI Name (CTFA Name)

Ethylhexyl Palmitate

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. 0.86
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)	approx. 1

Properties

- Medium viscous cosmetic ester with good spreading properties
- Medium polarity
- Universal emollient with skin conditioning properties
- Good solubilizer for active ingredients

Application

TEGOSOFT® OP is suitable for

- all types of creams and lotions
- body oils
- bath additives

Packaging

720 kg pallet (4 x 180 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 accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

Guide Line Formulations

W/O Cream F 3/98	
Phase A	
ISOLAN® PDI	3.0 %
TEGOSOFT® OP	9.5 %
Mineral Oil (30 mPas)	9.5 %
Beeswax	0.6 %
Hydrogenated Castor Oil	0.4 %
Phase B	
LACTIL®	2.0 %
Glycerin	3.0 %
Magnesium Sulfate Heptahydrate	1.0 %
Water	71.0 %
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. Homogenise for a short time	
4. Cool with gentle stirring and homogenise again below 30 °C	

W/O Lotion F 79/96	
Phase A	
ABIL® EM 90	2.0 %
TEGOSOFT® OP	7.0 %
TEGOSOFT® liquid	7.0 %
Isohexadecane	7.0 %
Microcrystalline Wax ¹⁾	0.5 %
Hydrogenated Castor Oil	0.5 %
Phase B	
Sodium Chloride	0.5 %
Water	75.5 %
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. Homogenise for a short time	
4. Cool with gentle stirring and homogenise again below 30 °C	

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

O/W Self-Tanning Cream F 67/96	
Phase A	
TEGO® Care 450	3.0 %
TEGIN® M	2.0 %
TEGO® Alkanol 18	1.0 %
TEGOSOFT® OP	10.0 %
TEGOSOFT® liquid	4.0 %
TEGOSOFT® CT	5.0 %
Phase B	
Glycerin	3.0 %
Water	52.0 %
Phase C	
Dihydroxyacetone	5.0 %
Water	15.0 %
Preservative, Perfume	q.s.
Preparation: <ol style="list-style-type: none"> 1. Charge with phase B and heat to approx. 70 °C* 2. Heat phase A to approx. 70 °C and add to phase B with stirring 3. Homogenise. 4. Cool with gentle stirring, add phase C below 40 °C <p>*Important: If it is charged with phase A, phase B must be added to phase A without stirring.</p>	

O/W Sunscreen Lotion Ma 100/98	
Phase A	
TEGO® Care 450	3.00 %
Jojoba Oil	2.50 %
TEGOSOFT® OP	5.00 %
TEGOSOFT® CT	3.50 %
Benzophenone-3	5.00 %
Octyl Salicylate	5.00 %
Menthyl Anthranilate	5.00 %
Octyl Methoxycinnamate	7.50 %
Phase B	
Water	63.25 %
Phase C	
TEGO® Carbomer 134	0.25 %
TEGOSOFT® OP	1.00 %
Phase D	
Sodium Hydroxide 10 %	q.s.
Preservative, Perfume	q.s.
Preparation: <ol style="list-style-type: none"> 1. Charge with phase B and heat to approx. 80 °C.* 2. Heat phase A to approx. 80 °C and add to phase B with stirring. 3. Homogenise. 4. Cool with gentle stirring, add phase C at approx. 60 °C and homogenise again. 5. Add phase D at approx. 40 °C. <p>*Important: If it is charged with phase A, phase B must be added to phase A without stirring.</p>	

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(Status: April, 2008)