

Emollient which melts at skin temperature

Intended use

Waxy lipophilic emollient

Benefits at a glance

- Gives a silky, but non-oily skin feel
- Especially suitable for skin care products
- Low occlusivity

INCI (PCPC Name)

Stearyl Heptanoate

Chemical and physical properties (not part of specifications)

Form	waxy
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Further product information (not part of specifications)

Melting point (°C)	approx. 28
Viscosity according to Höppler (mPas) at	
30 °C	approx. 7
40 °C	approx. 5
50 °C	approx. 4

Properties

- Solid, lipophilic emollient
- Similar to natural purcellin oil
- Quickly absorbed
- Water resistant

- Oxidation stable

Application

TEGOSOFT® SH is suitable for

- all types of skin care creams and lotions
- massage creams
- pharmaceutical ointment bases
- decorative cosmetics

Packaging

680 kg pallet (4 x 170 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.

Guideline formulations

W/O Nourishing Cream F 17/99	
Phase A	
ISOLAN® PDI	3.00%
Microcrystalline Wax ¹⁾	0.50%
Hydrogenated Castor Oil	0.50%
TEGOSOFT® OP (Ethylhexyl Palmitate)	7.00%
TEGOSOFT® CT (Caprylic/Capric Triglyceride)	5.00%
TEGOSOFT® SH (Stearyl Heptanoate)	8.00%
Phase B	
Glycerin	2.00%
Magnesium Sulfate Heptahydrate	1.00%
LACTIL® (Sodium Lactate; Sodium PCA; Glycine; Fructose; Urea; Niacinamide; Inositol; Sodium Benzoate; Lactic Acid)	2.00%
Panthenol	0.50%
Allantoin	0.20%
Water	70.30%
Preservative, Perfume	q.s.
Preparation:	
1. Heat phase A to approx. 80 °C.	
2. Add phase B (80 °C or room temperature) slowly while stirring.	
3. Homogenize for a short time.	
4. Cool with gentle stirring below 30 °C and homogenize again.	

¹⁾e. g. Paracera M, Paramelt B. V.

Icy O/W Sun Care Lotion – High protection SG 39/11–2	
Phase A	
TEGO® Care PS (Methyl Glucose Sesquiterate)	2.00%
TEGO® Alkanol 18 (Stearyl Alcohol)	1.00%
TEGOSOFT® SH (Stearyl Heptanoate)	8.00%
TEGOSOFT® XC (Phenoxyethyl Caprylate)	5.00%
Diethylamino Hydroxybenzoyl Hexyl Benzoate	7.00%
Ethylhexyl Methoxycinnamate	6.00%
Diethylhexyl Butamido Triazone	3.00%
Xanthan Gum	0.50%
Phase B	
Water	62.95%
Glycerin	3.00%
TEGO® Cistus (Cistus Incanus Extract, Maltodextrin)	0.25%
Phase C	
TEGO® Carbomer 141 (Carbomer)	0.10%
TEGOSOFT® XC (Phenoxyethyl Caprylate)	0.40%
Phase D	
Sodium Hydroxide (10% in water)	q.s.
Phase E	
Dipropylene Glycol; Methylparaben; Ethylparaben, Aqua; Methylisothia- zolinone (Microcare MEM, Thor GmbH)	0.80%
Phase Z	
Perfume	q.s.

Preparation:

1. Heat phase A and phase B separately to approx. 80 °C.
2. Add phase B to phase A without stirring.
3. Homogenize.
4. Cool with gentle stirring to approx. 60 °C and phase C.
5. Homogenize for a short time.
6. Cool with gentle stirring and add phase D and phase E below 40 °C.

SPF (in vitro): 30

UVA-Balance: 39 %

(Labsphere 2000S; 1,0 mg/cm²; on PMMA slide)
**Icy and Smooth After Sun Gel
SG 44/11-7**
Phase A

TEGOSOFT® SH (Stearyl Heptanoate)	5.00%
TEGOSOFT® AC (Isoamyl Cocoate)	5.00%
TEGO® Carbomer 341 ER (Acrylates/C10-30 Alkyl Acrylate Crosspolymer)	0.30%
TEGO® Carbomer 140 (Carbomer)	0.30%
TEGOLON® ECO 10-10 (Nylon-10/10)	0.30%

Phase B

Water	81.90%
Glycerin	2.00%
HyaCare® (Sodium Hyaluronate)	0.10%

TEGO® Cosmo C 100 (Creatine)	0.50%
Phase C	
Ethanol	2.00 %
Phase D	
Sodium Hydroxide (10% in water)	1.80%
Phase E	
Dipropylene Glycol; Methylparaben; Ethylparaben, Aqua; Methylisothia- zolinone (Microcare MEM, Thor GmbH)	0.80%
Phase Z	
Perfume	q.s.

Preparation:

1. Disperse the powders in phase A.
2. Mix ingredients of phase B separately.
3. Combine both phases and homogenize.
4. Add phase C and stir well.
5. Add phase D and adjust the pH value to approx. 7.0.
6. Add phase E while stirring.

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