

TEGOSOFT® SH

Emollient which melts at skin temperature

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

Personal Care

INCI Name (PCPC Name)

Stearyl Heptanoate

Chemical and physical properties (not part of specifications)

| | |
|------|------|
| Form | waxy |
|------|------|

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: | |
| <ol style="list-style-type: none"> Heat phase A to approx. 80 °C. Add phase B (80 °C or room temperature) slowly while stirring. Homogenize for a short time. 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: | |
| <ol style="list-style-type: none"> Heat phase A and phase B separately to approx. 80 °C. Add phase B to phase A without stirring. Homogenize. Cool with gentle stirring to approx. 60 °C and phase C. Homogenize for a short time. 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/cm ² ; 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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