

TEGOSOFT® CR

Cosmetic wax ester which gives a silky, but non-oily skin feel

Intended use

Waxy lipophilic emollient

Benefits at a glance

- Especially suitable for skin care products
- Solid lipophilic emollient
- Melts at skin temperature
- Based on vegetable raw materials
- Low cetyl alcohol content, therefore especially suitable for liquid O/W lotions
- Unbleached

INCI (PCPC name)

Cetyl Ricinoleate

Chemical and physical properties (not part of specifications)

Form	waxy
Color	colorless to slightly yellow

Further product information (not part of specifications)

Melting point (°C)	approx. 27
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Viscosity according to Höppler (mPas) at	
30 °C	approx. 47
40 °C	approx. 36
50 °C	approx. 20

Properties

- Gives a silky, but non-oily feel on the skin.
- Cosmetic wax ester which melts at skin temperature.
- Has a low cetyl alcohol content (< 5%). Therefore an undesirable increase of viscosity in O/W emulsions is avoided by using this product.
- Non-comedogenic.

Application

TEGOSOFT® CR is suitable for

- O/W Body creams and lotions
- Products for dry skin
- Products for sensitive skin
- Liquid make-ups and lipsticks

Recommended usage concentration

2 – 5% TEGOSOFT® CR

Storage/Handling

TEGOSOFT® CR tends to separate after storage time. This is reversible and has no negative influence on the quality. Short heating (30 °C) and stirring will provide adequate homogenization.

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.

Guideline formulations

Natural O/W Body Butter H 18/07-50	
Phase A	
TEGO® Care 450 (Polyglyceryl-3 Methylglucose Distearate)	3.0%
TEGOSOFT® CT (Caprylic/Capric Triglyceride)	4.0%
TEGOSOFT® TIS (Triisostearin)	4.0%
TEGO® Alkanol 1618 (Cetearyl Alcohol)	5.0%
TEGIN® M Pellets (Glyceryl Stearate)	3.0%
TEGOSOFT® CR (Cetyl Ricinoleate)	3.0%
TEGOSOFT® MM (Myristyl Myristate)	1.0%
Butyrospermum Parkii (Shea Butter)	3.0%
Persea Gratissima (Avocado) Oil	1.5%
Prunus Amygdalus Dulcis (Sweet Almond) Oil	1.5%
Tocopheryl Acetate	1.0%
Phase B	
Water	64.0%
Glycerin	5.0%
Phase C	
Sodium Hydroxide (10% in water)	0.2%
Phase D	
Benzyl Alcohol; Glycerin; Benzoic Acid, Sorbic Acid (Rokonsal BSB-N, Ashland)	0.8%
Phase Z	
Perfume	q.s.
Preparation:	
1. Heat phase A and phase B separately to approx. 75 °C.	
2. Add phase A to phase B with stirring. ¹	
3. Homogenize.	
4. Cool with gentle stirring below 40 °C.	
5. Add phase C and stir well.	
6. Add phase D and adjust the pH 5.0 – 5.5.	
¹ Important: If phase A has to be charged into the vessel first, phase B must be added without stirring.	

O/W After Shave Cream for Men	
F 35/01-10	
Phase A	
AXOL® C 62 Pellets (Glyceryl Stearate Citrate)	1.5%
TEGIN® M Pellets (Glyceryl Stearate)	2.0%
TEGO® Alkanol 1618 (Cetearyl Alcohol)	3.0%
TEGOSOFT® TN (C12-15 Alkyl Benzoate)	3.5%
TEGOSOFT® CR (Cetyl Ricinoleate)	2.0%
TEGOSOFT® TIS (Triisostearin)	1.0%
TEGOSOFT® MM (Myristyl Myristate)	0. %
Cyclomethicone	4.0%
Macadamia Ternifolia Seed Oil	2.0%
Tocopheryl Acetate	0.5%
Phase B	
Glycerin	4.0%
Panthenol	0.5%
Allantoin	0.2%
Water	66.3%
Phase C	
TEGO® Carbomer 134 (Carbomer)	0.3%
TEGOSOFT® TN (C12-15 Alkyl Benzoate)	1.2%
Phase D	
Bisabolol	0.5%
Phase E	
Sodium Hydroxide (10% in water)	q.s.
Phase F	
Alcohol	7.0%
Phase Z	
Preservative, Perfume	q.s.

Preparation:

1. Heat phase A and phase B separately to approx. 80 °C.
2. Add phase A to phase B with stirring.¹
3. Homogenize.
4. Cool with gentle stirring to approx. 60 °C and add phases C and D.
5. Homogenize for a short time.
6. Cool with gentle stirring and add phases E and F below 40 °C.

¹Important: If phase A has to be charged into the vessel first, phase B must be added without stirring.

O/W Energizing Cream Gel	
H 13/09-1	
Phase A	
ABIL® Care XL 80 (Bis-PEG/PPG-20/5 PEG/PPG-20/5 Dimethicone; Methoxy PEG/PPG-25/4 Dimethicone; Caprylic/Capric Triglyceride)	3.0%
ABIL® EM 97 S (Bis PEG/PPG-14/14 Dimethicone; Dimethicone)	1.0%
ABIL® 350 (Dimethicone)	1.0%
Dimethicone (5 mPas)	9.0%
TEGOSOFT® CR (Cetyl Ricinoleate)	3.0%
Xanthan Gum	0.2%
TEGO® Carbomer 341 ER (Acrylates/C10-30 Alkyl Acrylate Crosspolymer)	0.4%
TEGOSOFT® CT (Caprylic/Capric Triglyceride)	4.0%
Phase B	
Water	72.9%
TEGO® Cosmo C 100 (Creatine)	0.5%
Phase C	
Alcohol	5.0%
Sodium Hydroxide (10% in water)	q.s.
Phase Z	
Preservative, Perfume	q.s.
Preparation:	
<ol style="list-style-type: none"> Heat phase A to approx. 30 °C. Add phase A to phase B with stirring.¹ Homogenize. Add phase C and homogenize for a short time. 	
¹ Important: If phase A has to be charged into the vessel first, phase B must be added without stirring.	

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