

TEGOSOFT® CR

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

- 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

Personal Care

INCI Name (CTFA Name) (proposed)

Cetyl Ricinoleate

Chemical and physical properties (not part of specifications)

Form	waxy
Colour	Colourless to slightly yellow

Further product information (not part of specifications)

Melting point (°C)	approx. 27
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 transportation 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

O/W Body Cream F 4/99	
Phase A	
TEGO® Care 450 (Polyglyceryl-3 Methylglucose Distearate)	3.0 %
TEGIN® M Pellets (Glyceryl Stearate)	1.5 %
TEGO® Alkanol 18 (Stearyl Alcohol)	0.5 %
Mineral Oil (30 mPas)	7.0 %
TEGOSOFT® OS (Ethylhexyl Stearate)	8.0 %
TEGOSOFT® CR	5.0 %
Phase B	
Glycerin	3.0 %
Water	72.0 %
Preservative, Perfume	q.s.
Preparation:	
1. Charge with phase B and heat to approx. 70 °C ¹⁾	
2. Heat phase A to approx. 70 °C and add to phase B with stirring	
3. Homogenise	
4. Cool with gentle stirring	
¹⁾ Important information: If it is charged with phase A, phase B must be added to phase A without stirring .	

W/O Cream for dry skin UP 218/98/2	
Phase A	
ISOLAN® PDI (Diisostearoyl Polyglyceryl-3 Dimer Dilinoleate)	3.0 %
Beeswax	0.6 %
Hydrogenated Castor Oil	0.4 %
TEGOSOFT® CR	3.0 %
TEGOSOFT® liquid (Cetearyl Ethylhexanoate)	9.5 %
TEGOSOFT® HP (Isocetyl Palmitate)	6.5 %
Phase B	
Glycerin	3.0 %
Water	73.4 %
Magnesium Sulfate Heptahydrate	0.6 %
Preservative, Perfume	q.s.
Preparation:	
<ol style="list-style-type: none"> 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 	

O/W Body Lotion UP 213/98/3	
Phase A	
TEGO® Care 215 (Cetearth-15; Glyceryl Stearate)	2.5 %
TEGO® Alkanol 18 (Stearyl Alcohol)	1.0 %
TEGOSOFT® OS (Ethylhexyl Stearate)	5.2 %
TEGOSOFT® HP (Isocetyl Palmitate)	2.0 %
TEGOSOFT® CR	3.0 %
ABIL® 350 (Dimethicone)	0.5 %
Phase B	
Glycerin	3.0 %
Water	81.8 %
Phase C	
TEGO® Carbomer 141 (Carbomer)	0.2 %
TEGOSOFT® OS (Ethylhexyl Stearate)	0.8 %
Phase D	
Sodium Hydroxide (10 % in water)	q.s.
Preservative, Perfume	q.s.
Preparation:	
<ol style="list-style-type: none"> 1. Charge with phase B and heat to approx. 80 °C¹⁾ 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 	
¹⁾ Important information: If it is charged with phase A, phase B must be added to phase A without stirring .	

Silky Moisturizing Cream Gel	
MK 5/08-1	
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 (Bis-PEG/PPG-14/14 Dimethicone)	1.0 %
Cyclomethicone	9.0 %
ABIL® 350 (Dimethicone)	1.0 %
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.
Preservative, Perfume	q.s.
Preparation:	
<ol style="list-style-type: none"> 1. Heat phase A to approx. 30 °C. 2. Add phase A to phase B with stirring¹⁾. 3. Homogenise. 4. Add phase C and homogenise 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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