

## TEGOSOFT® CO

Cosmetic oil with high spreadability

- Emollient ester with low occlusivity
- Gives a pleasant skin feel
- Oxidation stable

Personal Care

**INCI Name (PCPC Name)**

Cetyl Ethylhexanoate

**Chemical and physical properties  
(not part of specifications)**

Form	liquid
Color	colorless to slightly yellow

**Further product information  
(not part of specifications)**

Density (g/cm <sup>3</sup> )	approx. 0.85
Viscosity at 25 °C according to Höppler (mPas)	approx. 12
Surface tension at 25 °C according to ring method (mN/m)	approx. 30
Spreadability	high spreadability
Polarity	low polarity
Pour point following DIN ISO 3016 (°C)	-2

**Properties**

- Medium viscosity oil with high spreadability
- Emollient with skin conditioning properties
- Miscible with cosmetic oils and fats
- Oxidation stable

**Application**

TEGOSOFT® CO is suitable for

- O/W creams and lotions
- W/O creams and lotions
- sun protection creams and lotions
- decorative preparations and sticks

**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

Moisturising and Caring Soft Milk for Kids MK 1/08-1		
		%
<b>A</b>	<b>TEGO® Care 450</b> (Polyglyceryl-3 Methylglucose Distearate)	2.00
	<b>TEGOSOFT® CO</b>	4.00
	<b>TEGOSOFT® TIS</b> (Triisostearin)	2.00
	Mineral Oil (30 mPas)	2.40
<b>B</b>	Water	75.20
	Glycerin	10.00
	Sodium Citrate	0.20
	Dermosoft Octiol (Caprylyl Glycol)	0.50
<b>C</b>	Carbomer (Carbopol Ultrez 10 Polymer, Lubrizol)	0.50
	Mineral Oil (30 mPas)	2.00
	p-Anisic Acid	0.20
<b>D</b>	Sodium Hydroxide (10% in water)	1.00
<b>Z</b>	Preservative, Perfume	q.s.
<b>Preparation:</b>		
<ol style="list-style-type: none"> <li>Heat phase A and B separately to approx. 80 °C.</li> <li>Add phase A to phase B with stirring<sup>1)</sup>.</li> <li>Homogenize.</li> <li>Cool with gentle stirring to approx. 60 °C and add phase C.</li> <li>Homogenize for a short time.</li> <li>Cool with gentle stirring and add phase D below 40 °C.</li> </ol>		
<sup>1)</sup> Important: If phase A has to be charged into the vessel first, phase B must be added without stirring.		

W/O Panthenol Cream – Mineral Oil free MK 1/08-17		
		%
<b>A</b>	<b>ISOLAN® PDI</b> (Diisostearoyl Polyglyceryl-3 Dimer Dilinoleate)	3.00
	<b>TEGOSOFT® CO</b>	10.00
	<b>TEGOSOFT® P</b> (Isopropyl Palmitate)	12.00
	Paracera M (Microcrystalline Wax)	2.00
	Hydrogenated Castor Oil	1.50
	Tocopheryl Acetate	1.00
<b>B</b>	Water	59.45
	Propylene Glycol	4.00
	Panthenol	5.50
	Magnesium Sulfate Heptahydrate	0.80
	Zinc Sulfate Heptahydrate	0.50
<b>C</b>	Bisabolol	0.25
<b>Preparation:</b>		
<ol style="list-style-type: none"> <li>Heat phase A to approx. 80 °C.</li> <li>Add phase B (80 °C or room temperature) slowly while stirring.</li> <li>Homogenize for a short time.</li> <li>Cool with gentle stirring and add phase C below 40 °C.</li> <li>Homogenize again below 30 °C.</li> </ol>		

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