

TEGOSOFT® MM

Vegetable based cosmetic wax

Intended use

Waxy lipophilic emollient

Benefits at a glance

- Solid, lipophilic emollient produced by an enzymatic process
- High purity
- Gives body to emulsions
- Leaves a pleasant soft skin feel
- Especially suitable for skin care products

INCI (PCPC Name)

Myristyl Myristate

Chemical and physical properties (not part of specifications)

Form	pellets
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Further product information (not part of specifications)

Melting point (°C)	approx. 40
Viscosity according to Höppler (mPas) at	
45 °C	approx. 6
50 °C	approx. 5
55 °C	approx. 4

Properties

- Cosmetic wax ester which melts above body temperature.
- TEGOSOFT® MM is produced by an enzymatic process.
- Gives body to O/W emulsions, especially lotions, and leaves a pleasant soft skin feel.
- Weak consistency-enhancer in W/O emulsions.
- Stable to oxidation.

Application

TEGOSOFT® MM is especially suitable for

- skin care products, e. g. bodylotions, handcreams, nightcreams and eyecreams
- decorative preparations, especially with low content of liquid emollients, e. g. sticks

Recommended usage concentration

1 – 2% TEGOSOFT® MM (emulsions)

Storage

Store at room temperature.

Packaging

500 kg pallet (20 x 25 kg bag)

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

Caring O/W Body Lotion	
F 1/99	
Phase A	
TEGO® Care PS (Methyl Glucose Sesquistearate)	2.00%
Mineral Oil (30 mPas)	5.70%
TEGOSOFT® OS (Ethylhexyl Stearate)	5.00%
TEGOSOFT® MM	1.00%
Tocopheryl Acetate	0.50%
Phase B	
Glycerin	3.00%
Water	81.30%
Phase C	
TEGO® Carbomer 141 (Carbomer)	0.20%
Mineral Oil (30 mPas)	0.80%
Phase D	
Panthenol	0.50%
Phase E	
Sodium Hydroxide (10% in water)	q.s.
Phase Z	
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. Homogenize.	
4. Cool with gentle stirring, add phase C at approx. 60 °C and homogenize again.	
5. Add phase D/E below 40 °C.	
¹⁾ Important information:	
If phase A has to be charged into the vessel first, phase B must be added without stirring .	

O/W Day Cream F 3/99	
Phase A	
TEGO® Care 450 (Polyglyceryl-3 Methylglucose Distearate)	3.00%
TEGO® Alkanol 18 (Stearyl Alcohol)	1.00%
TEGIN® M Pellets (Glyceryl Stearate)	2.00%
Decyl Oleate	9.00%
TEGOSOFT® OS (Ethylhexyl Stearate)	9.00%
TEGOSOFT® MM	1.00%
Phase B	
Glycerin	3.00%
Water	72.00%
Phase Z	
Preservative, Perfume	q.s.
Preparation:	
<ol style="list-style-type: none"> Charge with phase B and heat to approx. 70 °C.¹⁾ Heat phase A to approx. 70 °C and add to phase B with stirring. Homogenize. Cool with gentle stirring. 	
¹⁾ Important information:	
If phase A has to be charged into the vessel first, phase B must be added without stirring .	

O/W Face and Body Soft Cream F 55/00-7	
Phase A	
TEGIN® Pellets (Glyceryl Stearate SE)	6.00%
Stearic Acid	2.00%
Myristyl Alcohol	1.50%
TEGOSOFT® MM	1.00%
Mineral Oil (30 mPas)	7.00%
Microcrystalline Wax (Paracera W 80, Paramelt B.V.)	0.50%
Lanolin Alcohol	0.50%
Tocopheryl Acetate	0.50%
Phase B	
Glycerin	5.00%
Water	71.40%
Phase C	
TEGO® Carbomer 134 (Carbomer)	0.20%
Mineral Oil (30 mPas)	0.80%
Phase D	
Sodium Hydroxide (10% in water)	0.60%
Ethanol	3.00%
Phase Z	
Preservative, Perfume	q.s.
Preparation:	
<ol style="list-style-type: none"> Heat phase A and B separately to approx. 80 °C. Add phase A to phase B with stirring.¹⁾ Homogenize. Cool with gentle stirring to approx. 60 °C and add phase C. Homogenize for a short time. Cool with gentle stirring and add phase D below 40 °C. 	
¹⁾ Important:	
If phase A has to be charged into the vessel first, phase B must be added without stirring .	

W/O All-purpose Cream UP 217/98/2	
Phase A	
ABIL® EM 90 (Cetyl PEG/PPG-10/1 Dimethicone)	2.00%
ISOLAN® GI 34 (Polyglyceryl-4 Isostearate)	1.00%
Microcrystalline Wax (Paracera W 80, Paramelt B.V.)	1.20%
Hydrogenated Castor Oil	0.80%
Mineral Oil (30 mPas)	11.00%
TEGOSOFT® OS (Ethylhexyl Stearate)	5.00%
TEGOSOFT® MM	1.00%
Phase B	
Water	77.50%
Sodium Chloride	0.50%
Phase Z	
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. Homogenize for a short time. 4. Cool with gentle stirring and homogenize again below 30 °C. 	

W/O Hand Cream UP 216/98/2	
Phase A	
ISOLAN® PDI (Diisostearoyl Polyglyceryl-3 Dimer Dilinoleate)	3.00%
Beeswax	0.60%
Hydrogenated Castor Oil	0.40%
TEGOSOFT® liquid (Cetearyl Ethylhexanoate)	9.50%
Isocetyl Palmitate	8.50%
TEGOSOFT® MM	1.00%
Phase B	
Water	73.00%
Glycerin	3.00%
Magnesium Sulfate Heptahydrate	1.00%
Phase Z	
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. Homogenize for a short time. 4. Cool with gentle stirring and homogenize again below 30 °C. 	

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