

## TEGOSOFT® PSE 141 G

Co-emulsifier with re-fatting and moisturizing properties

- PEG-free, based on natural renewable raw materials
- Recommended usage concentration of 2 – 5 %
- Co-emulsifier for O/W creams and lotions

Personal Care

**INCI name (CTFA name)**

Sucrose Stearate

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

Form	Pellets/Pellet Conglomerates*
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\*Note: Conglomerates can form due to filling temperature and packaging pressure.

**Application**

- TEGOSOFT® PSE 141 G is produced from natural renewable raw materials.
- TEGOSOFT® PSE 141 G is a mild, PEG-free co-emulsifier for O/W creams and lotions.
- TEGOSOFT® PSE 141 G has re-fatting and moisturizing properties.
- TEGOSOFT® PSE 141 G does not contain any solvent or preservative.

**Preparation**

It is suggested to add TEGOSOFT® PSE 141 G to the water phase. It is also possible to add TEGOSOFT® PSE 141 G to the oil phase.

Further manufacturing conditions correspond to the principles of common processing for O/W emulsions.

**Application**

TEGOSOFT® PSE 141 G is especially suitable for O/W creams and lotions for

- Facial and Body Care
- After Sun Care
- Baby Care

**Recommended usage concentration**

2.0 – 5.0 % TEGOSOFT® PSE 141 G

**Packaging**

450 kg pallet (18 x 25 kg)

**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.

## Guide Line Formulations

<b>O/W Moisturizing Body Lotion</b> F 2/01-5	
<b>Phase A</b>	
TEGIN® 4100 Pellets (Glyceryl Stearate)	0.5 %
Stearic Acid	0.5 %
TEGOSOFT® MM (Myristyl Myristate)	1.0 %
TEGOSOFT® APM (PPG-3 Myristyl Ether)	3.0 %
TEGOSOFT® OP (Ethylhexyl Palmitate)	4.2 %
Cyclomethicone	5.0 %
Tocopheryl Acetate	0.5 %
ABIL® 350 (Dimethicone)	0.3 %
<b>Phase B</b>	
TEGO® Care CG 90 (Cetearyl Glucoside)	1.0 %
TEGOSOFT® PSE 141 G	2.0 %
Allantoin	0.2 %
Panthenol	0.5 %
Glycerin	3.0 %
Water	77.3 %
<b>Phase C</b>	
TEGO® Carbomer 141 (Carbomer)	0.2 %
TEGOSOFT® OP (Ethylhexyl Palmitate)	0.8 %
<b>Phase D</b>	
Sodium Hydroxide (10 % in water)	q.s.
Preservative, Parfum	q.s.
<b>Preparation:</b>	
<ol style="list-style-type: none"> <li>1. Heat phase A and B separately to approx. 80 °C.</li> <li>2. Add phase A to phase B with stirring.<sup>1)</sup></li> <li>3. Homogenise.</li> <li>4. Cool with gentle stirring to approx. 60 °C and add phase C.</li> <li>5. Homogenise for a short time.</li> <li>6. Cool with gentle stirring and add phase D below 40 °C.</li> </ol>	
<sup>1)</sup> <b>Important:</b> If phase A has to be charged into the vessel first, phase B must be added <b>without stirring</b> .	

<b>Facial Mask</b> F 4/01-1	
<b>Phase A</b>	
ABIL® Care 85 (Bis-PEG/PPG-16/16 PEG/PPG-16/16 Dimethicone; Caprylic/Capric Triglyceride)	1.5 %
TEGINACID® C (Ceteareth-25)	1.0 %
TEGIN® M Pellets (Glyceryl Stearate)	3.5 %
TEGO® Alkanol 18 (Stearyl Alcohol)	2.0 %
Stearic Acid	1.0 %
TEGOSOFT® MM (Myristyl Myristate)	1.5 %
TEGOSOFT® DO (Decyl Oleate)	6.0 %
TEGOSOFT® TN (C12-15 Alkyl Benzoate)	8.5 %
Sweet Almond (Prunus Dulcis) Oil	5.0 %
<b>Phase B</b>	
TEGOSOFT® PSE 141 G	2.0 %
Glycerin	3.0 %
Panthenol	0.5 %
Allantoin	0.2 %
Water	60.8 %
<b>Phase C</b>	
TEGO® Carbomer 134 (Carbomer)	0.1 %
Mineral Oil (30 mPas)	0.4 %
<b>Phase D</b>	
Sodium Hydroxide (10 % in water)	q.s.
Preservative, Parfum	q.s.
<b>Preparation:</b>	
<ol style="list-style-type: none"> <li>1. Heat phase A and B separately to approx. 80 °C.</li> <li>2. Add phase A to phase B with stirring.<sup>1)</sup></li> <li>3. Homogenise.</li> <li>4. Cool with gentle stirring to approx. 60 °C and add phase C.</li> <li>5. Homogenise for a short time.</li> <li>6. Cool with gentle stirring and add phase D below 40 °C.</li> </ol>	
<sup>1)</sup> <b>Important:</b> If phase A has to be charged into the vessel first, phase B must be added <b>without stirring</b> .	

<b>O/W Body Souffle Cream MK 77/06-4</b>	
<b>Phase A</b>	
AXOL® C 62 Pellets (Glyceryl Stearate Citrate)	1.50 %
TEGIN® M Pellets (Glyceryl Stearate)	2.00 %
TEGO® Alkanol 1618 (Cetearyl Alcohol)	3.00 %
TEGOSOFT® DEC (Diethylhexyl Carbonate)	20.00 %
<b>Phase B</b>	
TEGOSOFT® PSE 141 G	1.00 %
Glycerin	3.00 %
Water	67.70 %
<b>Phase C</b>	
TEGO® Carbomer 341 ER (Acrylates / C10-30 Alkyl Acrylates Crosspolymer)	0.20 %
TEGOSOFT® DEC (Diethylhexyl Carbonate)	0.80 %
<b>Phase D</b>	
Sodium Hydroxide (10 % in water)	q.s.
<b>Phase E</b>	
TEGO® Betain 810	0.80 %
Preservative, Parfum	q.s.
<b>Preparation:</b>	
<ol style="list-style-type: none"> <li>1. Heat phase A and B separately to 80 °C.</li> <li>2. Add phase A to phase B with stirring.<sup>1)</sup></li> <li>3. Homogenise.</li> <li>4. Cool with gentle stirring to approx. 60 °C and add phase C.</li> <li>5. Homogenise for a short time.</li> <li>6. Cool with gentle stirring and add phase D and E below 40 °C.</li> </ol>	
<sup>1)</sup> <b>Important:</b> If phase A has to be charged into the vessel first, phase B must be added <b>without stirring</b> .	

<b>O/W Day Cream with UV A and UV B Protection Ma 58/01-2</b>	
<b>Phase A</b>	
TEGO® Care 450 (Polyglyceryl-3 Methylglucose Distearate)	3.0 %
TEGIN® M Pellets (Glyceryl Stearate)	1.4 %
TEGO® Alkanol 18 (Stearyl Alcohol)	0.6 %
TEGOSOFT® CT (Caprylic/Capric Triglyceride)	6.0 %
TEGOSOFT® TN (C12-15 Alkyl Benzoate)	7.0 %
TEGOSOFT® PSE 141 G	1.0 %
Avocado Oil	2.0 %
Polysilicone-15 (Parsol SLX, Roche)	3.0 %
Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine (Tinosorb S, Ciba)	1.0 %
Butyl Methoxydibenzoylmethane	1.0 %
<b>Phase B</b>	
Glycerin	3.0 %
Water	71.0 %
<b>Phase Z</b>	
Preservative, Parfum	q.s.
<b>Preparation:</b>	
<ol style="list-style-type: none"> <li>1. Heat phase A and B separately to 70 – 75 °C.</li> <li>2. Add phase A to phase B with stirring.<sup>1)</sup></li> <li>3. Homogenise.</li> <li>4. Cool with gentle stirring.</li> </ol>	
<sup>1)</sup> <b>Important:</b> If phase A has to be charged into the vessel first, phase B must be added <b>without stirring</b> .	

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**Especially concerning Active Ingredients**

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