

TEGOSOFT® PBE

High polar emollient with smooth skin feel

- Provides slip in antiperspirants/deodorants
- Excellent suspending properties for antiperspirants actives
- Gives emolliency in Skin Care Formulations

Personal Care

INCI Name (CTFA Name)

PPG-14 Butyl Ether

Chemical and physical properties (not part of specifications)

Form	liquid
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Further product information (not part of specifications)

Density (g/cm ³)	approx. 0.98
Viscosity at 25 °C according to Höppler (mPas)	approx. 97
Surface tension at 25 °C according to ring method (mN/m)	approx. 31
Spreadability	low spreading
Polarity	high polar
Pour point following DIN ISO 3016 (°C)	< -30

Properties

- Highly polar, highly viscous cosmetic oil
- Very low pour point
- Provides skin-smoothing properties
- Effective wetting and spreading agent for pigmented products

Application

TEGOSOFT® PBE is suitable for

- Antiperspirant/Deodorant (Sticks, Roll-on, Aerosol)
- Eau de Toilette products
- O/W and W/O Skin Care formulations
- Sunscreens

Guideline formulations

O/W Antiperspirant Lotion PEG-free MK 65/05-21	
Phase A	
TEGO® Care PS (Methyl Glucose Sesquistearate)	1.75 %
TEGO® Care PL 4 (Polyglyceryl-4 Laurate)	0.25 %
TEGO® Cosmo P 813 (Polyglyceryl-3 Caprylate)	0.50 %
TEGOSOFT® DEC (Diethylhexyl Carbonate)	3.50 %
TEGOSOFT® PBE (PPG-14 Butyl Ether)	3.50 %
Phase B	
Water	74.50 %
Natrosol 250 HHR	1.00 %
Phase C	
Reach 501 Solution	15.00 %
Preservative, Perfume	q.s.
Preparation:	
1. Heat phase A and B separately to approx. 70 - 75 °C.	
2. Add phase A to phase B with stirring.	
3. Homogenise.	
4. Cool with gentle stirring.	
5. Add phase C below 40 °C.	
Viscosity [Brookfield RVT, Sp. 5, 10 rpm]: 8 Pas	

Recommended use level:

The usage concentration of TEGOSOFT® PBE may vary between 1 % and 50 %.

Packaging

772 kg pallet (4 x 193 kg drums)

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 accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

C 05/09

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