



Formulation

O/W SUN PROTECTION LOTION SPF 15

JS 8/16-12

INGREDIENTS

PHASE	INGREDIENTS	% W/W	
A	TEGO® Care LTP MB (Sorbitan Laurate; Polyglyceryl-4 Laurate; Dilauryl Citrate)	2.00	
	TEGOSOFT® DC MB (Decyl Cocoate)	2.00	
	TEGOSOFT® TN (C12-15 Alkyl Benzoate)	4.00	
	Persea Gratissima (Avocado) Oil	1.00	
	Ethylhexyl Methoxycinnamate	5.00	
	Octocrylene	3.00	
	Butyl Methoxydibenzoylmethane	2.00	
	TEGO® Carbomer 140 (Carbomer)	0.15	
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	Xanthan Gum	0.10	
	REWOPAL® PIB 1000 (Polyisobutene)	2.00	
	B	Water	74.10
		Glycerin	3.00
C	Sodium Hydroxide (10 % in water)	0.80	
D	Euxyl PE 9010 (Phenoxyethanol,Ethylhexylglycerin)	0.70	

PROCESSING

1. Heat phase A to approx. 60°C.
2. Add phase A to phase B with stirring. 1)
3. Homogenize.
4. Cool with gentle stirring and add phase C below 40°C.
5. Add phase D below 30°C and stir well.

1) Important: If phase A has to be charged into the vessel first, phase B must be added without stirring.

REMARKS

Viscosity (Brookfield RV DV-I, sp. 4, 5 rpm): 14 Pa*s

Calculated values*:

SPF: 15

UVA-balance: 0.35

critical wavelength: 373 nm

*BASF Sunscreen simulator

Disclaimer:

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Evonik Nutrition & Care GmbH

Goldschmidtstraße 100
45127 Essen, Germany
P.O. BOX 45116 Essen
Phone +49 0201 173 2546
Fax +49 0201 173 712546
personal-care@evonik.com
www.evonik.com/personal-care