



Reference Formula

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Amphisol K 全物理防曬乳(TX,ZX) (SPF46.62★★★)

EP-SC-COW-0097A_V1

FORMULA

Phase	Ingredient (Trade Name)	Ingredient (INCI Name)	% By Weight	Function
W1	D.I Water	D.I Water	46.00%	Water
	Glycerine	Glycerine	10.00%	Moisturizer
	Amphisol K (DSM)	Potassium Cetyl Phosphate	3.50%	Emulsifier
	Xanthan Gum	Xanthan Gum	0.30%	Thickener
	EDTA-2Na	Edetate Disodium	0.20%	Chelating Agent
O1	Parsol ZX (DSM)	Zinc Oxide, Triethoxycaprylsilane	8.00%	UV Filter
	Parsol TX (DSM)	Titanium Dioxide, Silica, Dimethicone	8.00%	UV Filter
	Innospec: Sunsol TM BOS	Butyloctyl Salicylate	6.00%	Sunscreen Solvent /SPF booster
	FZ-3196 Volatile Alkyl Methyl Siloxane Fluid (Dow Chemical)	Caprylyl Methicone	5.00%	Emollient
	ERCAREL TCC V (Erca Wilmar)	Caprylic/Capric triglyceride	5.00%	Emollient
O2	ERCAMULS LF 65 V/VD	Glyceryl Stearate (and) PEG-100 Stearate	3.00%	Co-Emulsifier
	FATTY ALCOHOL 1618-01	Cetearyl Alcohol	2.00%	Thickener
A	Preservative	Preservative	Q.S.	Preservative
B	VALVANCETM Touch 210 (DSM)	Silica	1.00%	Skin feel modifiers
	9045 Silicone Elastomer Blend (Dow Corning)	Cyclopentasiloxane and Dimethicone Crosspolymer	2.00%	Skin feel modifiers
	Perfume	Perfume	Q.S.	Fragrance

Recommendations contained, herein this Reference Formula, are advisory only.

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PROCEDURE

1. Prepare Phase W1 and O1 separately.
2. Add Phase O2 to O1, and heat Phase W1, O1+O2 to 70-75°C.
3. Add Phase W1 to O1+O2 under stirring, and keep temperature 85°C.
4. Finally, add Phase A and B to the main tank after cooling.

SPECIFICATION

APPEARANCE	: White cream
VISCOSITY	: approx. 17,170 ± 10% (51.5%) (RVDV-E, RV6, 30 rpm, 3 min, 25°C)
pH	: approx. 6.11 ± 0.5 (25°C)

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