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Eye Cream

Products highlighted: *Floraesters® Jojoba Oil-Refined, Floraesters 15*

The dry emolliency of Floraesters Jojoba Oil-Refined provides a luxurious continuous phase in this water-in-oil emulsion. This rich eye cream packs almost 70% water (internal phase containing moisturizers, PCA and panthenol) into the jojoba ester external phase.

Phase	Trade Name	INCI Name	Supplier	%wt./wt
A.	Floraesters Jojoba Oil, Refined	Simmondsia Chinensis (Jojoba) Seed Oil	Floritech	10.90
	Floraesters 15	Jojoba Esters (and) Tocopherol	Floritech	11.20
	ABIL EM-90	Cetyl Dimethicone Copolyol	Goldschmidt	2.10
	ABIL Wax 9801	Cetyl Dimethicone	Goldschmidt	1.10
	Witconol APM	PPG-3 Myristyl Ether	Crompton	0.50
	Eusolex T-45D	Isononyl Isonononate (and) Titanium Dioxide (and) Alumina (and) Simethicone (and) Polyglyceryl-6 Ricinoleate	Rona	3.00
	Castorwax NF	Hydrogenated Castor Oil	CasChem	0.45
B.	Deionized Water	Water	-----	Q.S.
	Sorbo 70%	Sorbitol	Uniqema	1.50
	Preservative	-----		Q.S.
	Ajidew N-50	Sodium PCA	Ajinomoto	0.20
	DL-Panthenol Liquid 50 ¹	Panthenol	DSM	0.30
	Sodium Chloride, USP	Sodium Chloride		2.00
			TOTAL	100.00

Mixing Procedure:

1. Heat Phase A to 85°C with slow to medium propeller agitation. Mix until all waxes are melted and well dispersed. Then cool to 75°C.
2. Heat water of Phase B to 80°C. Add sorbo 70% and preservative. Mix with medium propeller agitation until completely dissolved and phase is uniform. Cool to 75°C. Add the remaining ingredients of Phase B, mix until completely dissolved.
3. Very slowly in a steady stream, add Phase B at 75°C into Phase A at 75°C with medium propeller agitation for 15 minutes. Agitate and cool batch to room temperature (25°C). Once batch has cooled, homomix batch (using a high sheer mixer) at low speed for 2 to 4 minutes. This will decrease interphase water particle size and build viscosity and body of cream. Be careful not to over sheer batch.

¹ Reference Quality Control Spec: pH= 7.65 @ 25°C (fresh)

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of their accuracy is made and the products discussed are sold without warranty, expressed or implied, and upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes. Likewise, statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent.