



Vitamin-E Lotion

Products Highlighted: *Floraesters® 20, Floraesters 30, Florasun® 90, and Florasomes® Jojoba*



a **Cargill** company

This light lotion contains Florasun 90 which moisturizes and provides an elegant, soothing skin feel. The Floraesters 20 and Floraesters 30 provide a moisture barrier while the Vitamin E, delivered by the Florasomes, helps to protect against free radicals.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
	Versene® Na2 Crystals Chelating Agent	Disodium EDTA	The Dow Chemical Co.	0.01
	Butylene Glycol	Butylene Glycol	Making Cosmetics	4.00
B.	Floraesters 20	Jojoba Esters	Floratech	1.00
	Floraesters 30	Jojoba Esters	Floratech	1.00
	Florasun 90	Helianthus Annuus (Sunflower) Seed Oil	Floratech	10.10
	Arlacel® 165	Glyceryl Stearate (and) PEG-100 Stearate	Croda International	2.50
	Arlacel® 80	Sorbitan Oleate	Croda International	0.50
C.	Sepigel® 305	Polyacrylamide (and) C13-14 Isoparaffin (and) Laureth-7	Seppic	1.60
D.	DL-Panthenol	Panthenol	DSM Nutritional Products	0.50
	Dry-Flo® PC	Aluminum Starch Octenylsuccinate	Nouryon	2.00
	Preservative	-----	-----	q.s.
	Fragrance	-----	-----	q.s.
E.	Florasomes Jojoba SMH 10% Vitamin E, Lapis¹	Jojoba Esters	Floratech	2.00
Total				100.00

Mixing Procedure

1. Heat the deionized water of Phase A to 75°C with moderate propeller agitation. Add the remaining ingredients of Phase A in the order listed.
2. Combine and heat Phase B to 75°C with moderate propeller agitation.
3. Slowly add Phase B to Phase A with rapid to moderate propeller agitation at 75°C. Continue mixing until batch is creamy.
4. Stop heating. At 60°C, add Phase C to Phase AB with moderate propeller agitation. Continue mixing until batch is homogeneous. Continue cooling batch to 45°C.
5. At 45°C, add Phase D in the order listed and mix until uniform. Cool to room temperature.
6. Add Phase E after confirming batch is completely cool.

¹ Any color or combination of colors may be used.

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of accuracy is made and the products are provided without warranty, expressed or implied and upon condition that purchasers shall make their own tests to determine the suitability, stability or safety 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 or in the treatment, prevention, or cure of any medical condition. INCI/trade names must be verified with each manufacturer. (Cleared for Public Disclosure)