



# After-Sun Moisturizing Lotion

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



a **Cargill** company

This light, soothing after-sun lotion provides a moisturizing treatment to dry, sun-baked skin. The product features Florasun 90 (high-oleic sunflower oil) and jojoba esters which reduce redness and improve barrier function. This sun care product may be marketed as natural, botanical, and renewable.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
	Versene® Na2 Crystals	Disodium EDTA	The Dow Chemical Co.	0.01
	Chelating Agent			
	Butylene Glycol Preservative	Butylene Glycol	Making Cosmetics	4.00
		-----	-----	q.s.
B.	<b>Floraesters 20</b>	<b>Jojoba Esters</b>	<b>Floratech</b>	<b>1.00</b>
	<b>Floraesters 30</b>	<b>Jojoba Esters</b>	<b>Floratech</b>	<b>1.00</b>
	<b>Florasun 90</b>	<b>Helianthus Annuus (Sunflower) Seed Oil</b>	<b>Floratech</b>	<b>10.10</b>
	Arlacel® 165	Glyceryl Stearate (and) Peg-100 Stearate	Croda International	2.50
	Arlacel® 80	Sorbitan Oleate	Croda International	0.50
	Vitamin E Acetate	Tocopheryl Acetate	Essential Ingredients	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
	Fragrance	-----	-----	q.s.
		<b>Total</b>		<b>100.00</b>

## Mixing Procedure

1. Heat the deionized water of Phase A to 75°C and 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 propeller agitation at 75°C. Mix until uniform prior to cooling.
4. At 60°C, add Phase C to Phase AB with moderate propeller agitation. Mix until batch is homogeneous. Cool batch to 45°C.
5. At 45°C, add in Phase D in the order listed and agitate until uniform. Cool to room temperature.

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. Cargill has not tested Floraesters 20, Floraesters 30, or Florasun 90 in final OTC drug formulations. Compliance with FDA regulations is the responsibility of the customer. (Cleared for Public Disclosure)

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