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Self-Tanning Lotion

Products highlighted: Florasolvs® PEG-80 Jojoba, Florasun® 90, Floraesters® 20

This lotion spreads easily and absorbs quickly into the skin, leaving it smooth, soft, and supple. This lotion produces a nice, even tan within 3 hours of application.

Phase	Trade Name	INCI Name	Supplier	%wt./wt.
A.	Deionized Water	Water		Q.S.
B.	Propylene Glycol	Propylene Glycol	Ashland	3.00
	Preservative	-----		Q.S.
	Kelgin MV	Algin	CP Kelco	0.30
C.	Promulgen D	Cetearyl Alcohol (and) Cetareth-20	Chemron	3.50
	Florasolvs PEG-80 Jojoba	Jjoba Wax PEG-80 Esters	Floratech	0.50
	Lanette 16	Cetyl Alcohol	Cognis	0.50
	Florasun 90	Helianthus Annuus (Sunflower) Seed Oil (and) Tocopherol	Floratech	3.50
	Floraesters 20	Jjoba Esters (and) Tocopherol	Floratech	3.00
	Wickenol 163	Dioctyl Adipate (and) Octyl Stearate (and) Octyl Palmitate	Alzo	4.00
	Vitamin E Acetate, CG	Tocopheryl Acetate	DSM	0.20
	SF 96-200 Silicone Fluid	Dimethicone	GE Silicones	0.50
D.	Fragrance	Fragrance		Q.S.
E.	Deionized Water	Water		11.00
	Dihydroxyacetone	Dihydroxyacetone	Rona	4.00
			TOTAL:	100.00

Mixing Procedure:

1. Heat water of Phase A to 80°C.
2. Mix Phase B and add to Phase A with rapid propeller stirring. Mix for 15-20 minutes at 75-80°C.
3. Heat Phase C to 75-80°C with medium propeller stirring.
4. Slowly add Phase C to Phase AB with rapid propeller agitation at 75°C. Agitate for 15-20 minutes with medium propeller stirring. Then cool to 45°C with propeller and sweep agitation.
5. At 45°C and slow propeller and sweep agitation, add Phase D. Mix for 5-10 minutes until mixture is uniform.
6. Premix Phase E and add slowly to Phases ABCD at 40-45°C with slow propeller and sweep agitation. Mix until mixture is uniform and temperature is 25-30°C.

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.