



Formulation

Name	LOTION WITH ORGANIC SUNSCREENS (W/O EMULSION)	
No.	807	
Description	This lotion provides excellent spreadability with light, tactile properties.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u>
	=== Phase 1 ===	
	Deionized Water	q.s. to 100
	STEPANQUAT® ML	2.5
	PEG-12 Laurate (HALLSTAR® PEG 600 ML)	0.5
	=== Phase 2 ===	
	Ethylhexyl Isononanoate (HALLSTAR® OCTYL ISONONANOATE)	10.0
	Escalol 557 (ISP) Ethylhexyl Methoxycinnamate	7.5
	Escalol 587 (ISP) Ethylhexyl Salicylate	5.0
	Abil EM-90 (Goldschmidt) Cetyl Dimethicone Copolyol	1.5
	=== Phase 3 ===	
	Preservative, Dye, Fragrance	q.s.
	Total	100.0
Procedure	Prepare Phase 1 by adding all ingredients together. In a separate container prepare Phase 2. Add Phase 1 into Phase 2. Mix for 20-25 minutes. Add Phase 3. Homogenize for 3-5 minutes at 5000 rpm.	
Physical Properties	Appearance at 25°C	Opaque lotion
	SPF (in vivo, 2 subjects)	15
	pH, as is at 25°C	4.0 - 5.0
	Viscosity at 25°C, cps	14,250
Storage/Stability	2 months at 25°C	Stable
	2 months at 42°C	Stable
	2 months at 50°C.	Stable
Instructions for Use	Apply as a normal lotion to the skin.	
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For Additional Assistance	For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe). For ordering assistance, call our Account Service Department at 1-800-457-7673.	
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