



Formulation

Name	SKIN LOTION WITH STEPAN-MILD® L3 AS AN EMULSIFIER	
No.	1067	
Description	This lotion provides dry, silky after-feel.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 ===	
	Deionized Water	q.s. to 100.0 Carrier
	Brij S20-SO-(AP) (Croda) Steareth-20	1.0 Emulsifier
	=== Phase 2 ===	
	STEPAN-MILD® L3	3.0 Emulsifier
	HALLSTAR IPP (HALLSTAR) Isopropyl Palmitate	10.0 Emollient
	CO-1695 NF (HALLSTAR) Cetyl Alcohol	3.0 Bodifying Agent
	HALLSTAR GMS PURE (HALLSTAR) Glyceryl Stearate	2.0 Emulsifier
	=== Phase 3 ===	
	Preservatives, Color, Dye	q.s. Preservative
	Citric Acid	q.s. pH Adjuster
	Sodium Hydroxide	q.s. pH Adjuster
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Prepare water phase. Charge vessel with Deionized Water and add Brij S20-SO-(AP). Start mixing and heat to 170°F–175°F. 2. Prepare oil phase. In the separate container, combine STEPAN-MILD® L3, Isopropyl Palmitate, Cetyl Alcohol, and Glyceryl Stearate. Heat to 170°F–175°F. 3. Increase agitation of water phase and slowly add oil phase into the water phase. Emulsify for 20–25 minutes. 4. Start cooling to 80°F. 5. Add Preservative, Color, and/or Dye, if desired. 6. Adjust pH with Citric Acid or Sodium Hydroxide. 	
Physical Properties	Appearance	Opaque
	pH, as is	5.5–6.5
	Viscosity at 25°C, cps	10,000–12,000
Storage/Stability	1 month at 25°C	Stable
	1 month at 50°C	Stable
Instructions for Use	Apply to the skin and spread uniformly.	
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For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or

For
Additional
Assistance

011-334-76-505-100 (Europe).

For ordering assistance, call our Account Service Department at 1-800-457-7673.

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