



Formulation

Name	MOISTURIZING LOTION WITH MINERAL OIL	
No.	878	
Description	This lotion gives skin a soft, silky feel to the skin. STEPAN® PTC is a cushion ester which reduces the greasy feel of the mineral oil.	
Formulation	INGREDIENTS:	<u>% by Weight</u>
	=== Phase 1 ===	
	Deionized Water	q.s.
	Propylene Glycol	2.0
	Carbopol Ultrez (BF Goodrich) Carbomer	0.2
	Versene 100 (Dow Chemical) Tetrasodium EDTA	0.3
	=== Phase 2 ===	
	Mineral Oil (Witco)	7.0
	STEPAN® PTC	3.0
	Glyceryl Stearate (And) PEG-100 Stearate (HALLSTAR® GMS S.E./A.S.)	1.5
	Emersol 132 (Cognis) Stearic Acid	2.0
	CETYL ALCOHOL	1.5
	=== Phase 3 ===	
	Triethanolamine	0.85
	=== Phase 4 ===	
	Paragon II (McIntyre) Propylene Glycol and DMDM Hydantoin and Methylparaben and Propylparaben	1.0
	Total	100.0
Procedure	<p>1. Prepare Phase 1 by adding Deionized Water to a suitable mixing vessel and begin agitation. Add Propylene Glycol and mix well. Add Carbopol Ultrez agitation and mix at high speed until the solution is free of lumps. Add Versene 100 and mix. Heat to 72-75°C.</p> <p>2. In a separate container, add Phase 2 ingredients, heat to 72-75°C and agitate until completely clear.</p> <p>3. Add Phase 2 to Phase 1 with good agitation and emulsify for 30 minutes, maintaining temperature at 72-75°C.</p> <p>4. Begin cooling at 70°C, add Phase 3 ingredients and mix well.</p> <p>5. Continue cooling at 45°C, add Phase 4 ingredients and mix well.</p> <p>6. Cool to 25°C.</p>	
Physical Properties	pH, as-is	7.0 - 7.5
	Viscosity at 25°C, Brookfield RV Spindle 6 at 20 rpm, cps	12,000
Storage/Stability	6 weeks at 25°C	Stable
	4 weeks at 45°C	Stable
	Freeze/Thaw, 3 cycles	Pass
Instructions for Use	Apply lotion to skin.	
Registered	®	

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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).
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