



Name	COLD MIX HAIR CONDITIONER	
No.	804	
Description	STEPANQUAT® ML allows one to make hair conditioner at room temperature, resulting in savings in manufacturing time and energy.	
Formulation	INGREDIENTS:	<u>% by Weight</u>
	=== Phase 1 === Deionized Water Natrosol 250 HHRB (Hercules) Hydroxyethylcellulose	q.s. to 100 0.75
	=== Phase 2 === STEPANQUAT® ML Lipocol L (Lipo) Lauryl Alcohol Glycerin	2.11 2.5 0.5
	=== Phase 3 === Sodium Hydroxide, 50% solution Citric Acid, 50% solution Preservative, Dye, Fragrance	q.s. q.s. q.s.
	Total 100.0	
Procedure	Prepare Phase 1 by dispersing Natrosol into water. Add Sodium Hydroxide to raise pH to 7.0-8.0. Mix for 30-35 minutes. When solution is clear of "fish-eyes," adjust pH with Citric Acid to a pH of 4.0-5.0. Add ingredients of Phase 2 to Phase 1. Mix well. If solution is not homogenous, heat to 30°C. Mix until homogeneous. Cool to room temperature. Adjust pH with ingredients from Phase 3, if necessary. Mix well. Add Preservative, Dye, and Fragrance as desired.	
Physical Properties	pH, as is 3.5	aque lotion - 4.5 10 - 3500
Storage/ Stability	6 months at 25°CSta1 month at 42°CSta1 month at 50°CSta	ble
Instructions for Use	Apply as a normal conditioner.	
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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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