



Formulation

Name	COLD MIX HAIR CONDITIONER	
No.	873	
Description	Quality conditioner made from STEPANQUAT® DC1, a conditioner concentrate.	
Formulation	INGREDIENTS:	% by Weight Functionality
	=== Phase 1 ===	
	Deionized Water	q.s. to 100.0 Solvent, Carrier
	Natrosol 250 HHRB (Hercules) Hydroxyethylcellulose	0.75 Thickener
	=== Phase 2 ===	
	STEPANQUAT® DC1	33.0 Conditioning Blend
	Citric Acid	q.s. pH Adjuster
	Sodium Hydroxide	q.s. pH Adjuster
	Fragrance, Dye & Preservative	q.s. Additives
	Total	100.0
Procedure	In a suitable vessel equipped with mixing capabilities, add Deionized Water. Begin agitation and slowly add Natrosol 250 HHRB. Add Sodium Hydroxide to increase pH to 7.5 - 8.0. Mix until Natrosol 250 HHRB is dispersed in the solution. Add Citric Acid to adjust pH to 3.5 - 4.0. Add STEPANQUAT® DC1. Mix well. Add Fragrance, Dye, and Preservatives. Mix. Adjust pH, if necessary.	
Physical Properties	Appearance at 25°C	Opaque
	Viscosity, cps at 25°C	7,000 - 10,000
	pH at 25°C	3.5 - 4.0
Storage/Stability	10 months at 25°C	Stable
	2 months at 50°C	Stable
	3-cycle freeze/thaw	Passed
Instructions for Use	After shampooing, apply conditioner to wet hair. Smooth through and rinse.	
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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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Revision Date: 09/29/2017 Publication Date: 01/14/2005 © 2017, Stepan Company. All rights reserved.