



Formulation

Name	ECONOMY HAIR CONDITIONER	
No.	870	
Description	This conditioner provides good wet and dry combability and controls static.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 ===	
	Deionized Water	q.s. to 100.0 Solvent, Carrier
	Natrosol 250 HHRB (Hercules) Hydroxyethylcellulose	0.5 Thickener
	=== Phase 2 ===	
	STEPANQUAT® DC1	25.0 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 raise 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	2,500 - 4,300
	pH at 25°C	3.5 - 4.0
Storage/Stability	7 months at 25°C	Stable
	2 months at 42°C	Stable
Instructions for Use	After shampooing, apply conditioner to wet hair, smooth through, and rinse.	
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For Additional Assistance	<p>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).</p> <p>For ordering assistance, call our Account Service Department at 1-800-457-7673.</p> <p>The information contained herein is based on the manufacturer's own study and the works of others and is subject to change without prior notice. The information is not intended to be all-inclusive, including as to the manner and conditions of use, handling, storage or disposal or other factors that may involve additional legal, environmental, safety or performance considerations. Nothing contained herein grants or extends a license, express or implied, in connection with any patents issued or pending of the manufacturer or others, or shall be construed as a recommendation to infringe any patents or to violate any applicable laws. STEPAN COMPANY MAKES NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, AND NO WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE, INCLUDING REGARDING</p>	

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