



Formulation

Name	COLD MIXING HAIR CONDITIONER	
No.	795	
Description	Hair conditioner with good conditioning properties, cold process.	
Formulation	INGREDIENTS:	% by Weight
	Deionized Water	q.s. to 100.0
	Natrosol 250 HHRB (Hercules) Hydroxyethylcellulose	0.75
	STEPANQUAT® ML	2.11
	Lauryl Alcohol Lipocol L (Lipo)	2.50
	Glycerin (Uniqema)	0.50
	Sodium Hydroxide	q.s.
	Citric Acid	q.s.
	Fragrance, Dye, & Preservative	q.s.
	Total	100.0
Procedure	Into a vessel equipped with agitator, add Deionized Water. Start mixing. Into the vortex sprinkle in Natrosol 250 HHRB. Add Sodium Hydroxide to raise pH to 7.5-8.0 and continue agitation until all of the Natrosol 250 HHRB has dissolved. Add Citric Acid to bring pH to 4.0. Add STEPANQUAT® ML, when dispersed, add Lauryl Alcohol (if not homogeneous, heat to 25-27°C). Mix well. Add Glycerin. Mix. Homogenize for 3-5 minutes at 5000 rpm using, for example, Silverson Mixer, Model #L4RT.	
Physical Properties	Appearance at 25°C	Opaque lotion
	pH, as is	3.5 - 4.5
	Viscosity (#4/20, RVT Model) at 25°C, cps	3000 - 4000
Storage/Stability	6 months at 25°C	Stable
	3 months at 42°C	Stable
	1 month at 50°C	Stable
Instructions for Use	Apply after shampooing. Rinse and style as usual.	
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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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