



Formulation

Name	MOISTURIZING HAIR CONDITIONER	
No.	592	
Description	This hair conditioner provides shine and manageability to freshly washed hair.	
Formulation	INGREDIENTS:	<u>% by Weight</u>
	=== Phase 1 ===	
	Deionized Water	90.0
	Natrosol 250 HHR (Hercules) Hydroxyethylcellulose	0.50
	AMMONYX® CETAC-30	3.33
	=== Phase 2 ===	
	CETYL ALCOHOL	2.20
	STEARYL ALCOHOL	1.25
	NEOBEE® M-5 COSMETIC	3.35
	WECOBEE® S	1.20
	=== Phase 3 ===	
	Fragrance, Dye, & Preservative	q.s.
	Total	100.0
Procedure	<p>PHASE 1 (Water): Add Deionized Water to a suitable mixing vessel and begin heating. Start mixing water and slowly disperse the 50% solution Natrosol 250 HHR (avoid clumping). Add AMMONYX® CETAC. Start heating to 60-65°C.</p> <p>PHASE 2 (Oil): Combine slowly Cetyl Alcohol, Stearyl Alcohol, NEOBEE® M-5, WECOBEE® S, and Propyl Paraben to a separate mixing vessel. Heat to 65°C and maintain at this temperature. Add the oil phase to the water phase, slowly using quick agitation. Continue quick agitation for 10-15 minutes, making sure temperature doesn't exceed 67°C. Slow agitation to moderate speed and begin cooling to room temperature. Add Fragrance, Dye, and Preservative. Adjust PH with citric acid if necessary. Mix well. Cool to 25°C and fill.</p>	
Physical Properties	Appearance	White, slightly viscous cream
	Viscosity	13,000 cps 5.0-6.0
Storage/ Stability	Passed elevated temperature and freeze thaw study	
Registered Trademarks of Stepan Company	NEOBEE® WECOBEE® AMMONYX® ®	
For	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).	

Additional
Assistance

For ordering assistance, call our Account Service Department at 1-800-457-7673.

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