



Formulation

Name	THERMAL PROTECTION HAIR CONDITIONER	
No.	813	
Description	This formulation provides an excellent conditioning effect, and also contains a combination of wheat proteins and amino acids that protect the hair from blow drying and curling.	
Formulation	INGREDIENTS:	<u>% by Weight</u>
	=== Phase 1 ===	
	Deionized Water	q.s. to 100
	Natrosol 250 HHRB (Hercules) Hydroxyethylcellulose	0.3
	=== Phase 2 ===	
	STEPANQUAT® ML	1.0
	AMMONYX® CETAC-30	3.33
	=== Phase 3 ===	
	CETYL ALCOHOL	1.5
	STEARYL ALCOHOL	2.0
	WECOBEE® S	0.25
	STEPAN® PTC	2.5
	Dow Corning 556 Cosmetic Grade Fluid (Dow Corning) Phenyl Trimethicone	0.5
	=== Phase 4 ===	
	Hydrotriticum WAA (Croda) Wheat Amino Acids	1.0
	Crodasone W (Croda) Hydrolyzed Wheat Protein PG-Propyl Silanetriol	1.0
	=== Phase 5 ===	
	Sodium Hydroxide	q.s
	Citric Acid	q.s.
	Preservative, Dye, Fragrance	q.s.
	Total	100.0
Procedure	Prepare Phase 1 by dispersing Natrosol into solution. Add Sodium Hydroxide to raise pH to 7.0-8.0. When solution is clear, adjust pH with Citric Acid to a pH of 4.0-5.0. Add Phase 2. Mix well. Start heating to 168-170°F. Add Phase 3 at 170°F. Mix well for 20 minutes. Start cooling to Room Temperature. Add Phase 4 at 100°F. Mix well. Add Phase 5 if necessary, to adjust pH. Mix well.	
Physical Properties	Appearance at 25°C	Opaque
	pH as is at 25°C	4.0 - 4.5
	Viscosity at 25°C, cps	3000 - 4000
Storage/ Stability	3 months at 25°C	Stable
	2 months at 50°C	Stable
Instructions for Use	Shampoo hair, apply conditioner and rinse.	
Registered Trademarks	AMMONYX® STEPAN®	

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For
Additional
Assistance

STEPANQUAT®
WECOBEE®

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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