

Formulation

Name	GENTLE SHAMPOO	
No.	715	
Description	This formulation provides mild cleansing for fine hair.	
Formulation	INGREDIENTS:	<u>% by Weight</u>
	=== Phase 1 ===	
	STEOL® CS-330 (or STEOL® CS-330 HP)	30.0
	STEPANOL® AM-V	15.0
	AMMONYX® LO	1.0
	NINOL® 40-CO	2.0
	Glycerin (Uniqema)	3.0
	Methocel F4M (Dow) Hydroxypropyl Methycellulose	0.4
	=== Phase 2 ===	
	Sodium Chloride	1.0
	Citric Acid	q.s.
	Fragrance, Dye, & Preservative	q.s.
	Deionized Water	q.s. to 100.0
	Total	100.0
Procedure	<ol style="list-style-type: none"> Heat one-third of the required Deionized Water to 80 °C (176 °F). Add Methocel F4M and agitate until all particles have been dispersed. Turn off heat and add the remainder of the Deionized Water. Agitate until the solution is clear and particle free. Add the remaining ingredients from Phase 1 and mix until homogeneous. Adjust pH with Citric Acid to 6.0-6.5. Add Fragrance, Dye, and Preservative, as desired. Viscosity may be modified by the addition of Sodium Chloride. <p>*Note: When formulating with STEOL® CS-330 HP, a greater amount of Citric Acid may be needed to adjust the pH within the recommended range as noted, than when formulating with STEOL® CS-330.</p>	
Physical Properties	Appearance at 25°C	Liquid
	pH, as is	6.0-6.5
Storage/ Stability	6 months at 25°C	Stable
	3 months at 42°C	Stable
	1 month at 50°C	Stable
Instructions for Use	Apply to wet hair, work into lather, and rinse thoroughly.	
External Comment	Marketing Notes: STEPANOL® AMV PCK may be a potential substitute for STEPANOL® AM-V. It should be noted that stability testing using this STEPANOL® AMV PCK has not been completed on this formulation. The substitution may yield slightly different physical properties.	
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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).
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