



# Formulation

Name	<b>PEARLESCENT SHAMPOO</b>	
No.	1077	
Description	This shampoo provides creamy foam and nice wet and dry combability.	
Formulation	<b>INGREDIENTS:</b>	<b>% by Weight    Functionality</b>
	Deionized Water	q.s. to 100.0 Solvent
	STEPANOL® WA-EXTRA (or STEPANOL® WA-EXTRA HP)	40.0 Primary Surfactant
	AMPHOSOL® HCG (or AMPHOSOL® HCG-HP)	4.8 Secondary Surfactant
	STEPAN-MILD® L3	1.5 Feel Enhancer
	HALLSTAR® EGAS (Hallstar) Glycol Stearate (and)	0.5 Pearlescent Agent
	Stearamide AMP	1.5 Humectant
	Glycerin (Emery) Glycerin	0.2 Conditioning Agent
	DL-Panthenol (Roche) Panthenol	q.s. Additive
	Preservative, Dye, Fragrance	q.s. pH Adjuster
	Sodium Hydroxide, 50% solution	q.s. pH Adjuster
	Citric Acid, 50% solution	q.s. Viscosity Adjuster
	Sodium Chloride	
	<b>Total</b>	<b>100.0</b>
Procedure	<p>1. Into a suitable vessel equipped with mixing, heating, and cooling capabilities, add Deionized Water, STEPANOL® WA-EXTRA (or STEPANOL® WA-EXTRA HP), AMPHOSOL® HCG (or AMPHOSOL® HCG-HP), STEPAN-MILD® L3, and Glycol Stearate.</p> <p>2. Start mixing and heating to 70°C–75°C (158°F–167°F). Emulsify for 25 minutes, maintaining temperature.</p> <p>3. Start cooling to room temperature. At 30°C (86°F), add Glycerin, DL-Panthenol, Preservative, Dye, and Fragrance. Mix well.</p> <p>4. Adjust pH with Sodium Hydroxide, 50% solution, or Citric Acid, 50% solution, and viscosity with Sodium Chloride.</p> <p>*Note: When formulating with AMPHOSOL® HCG-HP and/or STEPANOL® WA-EXTRA HP, a greater amount of Citric Acid, 50% solution, may be needed to adjust the pH within the recommended range as noted, than when formulating with AMPHOSOL® HCG and STEPANOL® WA-EXTRA.</p>	
Physical Properties	Appearance at 25°C	Pearlescent liquid
	pH, as is	5.8–6.5
	Viscosity at 25°C, cps	8,000–10,000
Instructions for Use	Massage into wet hair, lather, then rinse thoroughly.	
Registered Trademarks of Stepan Company	AMPHOSOL® STEPAN-MILD® STEPANOL®	
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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