



Formulation

Name	CLEAR SHAMPOO	
No.	1075	
Description	This clear shampoo provides creamy foam and light conditioning effect.	
Formulation	INGREDIENTS:	% by Weight Functionality
	Deionized Water	q.s. to 100.0 Solvent
	Glycerin	1.5 Humectant
	STEPANOL® WA-EXTRA K (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
	dl-Panthenol crystalline (Roche), Panthenol	0.2 Conditioning Agent
	Fragrance, Dye, Preservative	q.s. Additive
	Citric Acid	q.s. pH Modifier
	Sodium Hydroxide	q.s. pH Modifier
	Sodium Chloride	q.s. Viscosity Modifier
	Total	100.0
Procedure	<p>1. Into a suitable container, add Deionized Water, Glycerin, STEPANOL® WA-EXTRA K (or STEPANOL® WA-EXTRA HP), AMPHOSOL® HCG (or AMPHOSOL® HCG-HP), and STEPAN-MILD® L3. Start mixing.</p> <p>2. When solution is clear, add dl-Panthenol. Mix well.</p> <p>3. Add Fragrance, Dye, and Preservative. Mix well.</p> <p>4. Adjust viscosity with Sodium Chloride and pH with Sodium Hydroxide or Citric Acid.</p> <p>*Note: When formulating with AMPHOSOL® HCG-HP and/or STEPANOL® WA-EXTRA HP, a greater amount of Citric Acid may be needed to adjust the pH within the recommended range as noted, than when formulating with AMPHOSOL® HCG and STEPANOL® WA-EXTRA K.</p>	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	5.8–6.5
	Viscosity at 25°C, cps	10,000–13,000
Instructions for Use	Massage into wet hair, lather, then rinse thoroughly. Repeat if desired.	
Registered Trademarks of Stepan Company	STEPANOL® AMPHOSOL® STEPAN-MILD®	
For Additional Assistance	<p>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).</p> <p>For ordering assistance, call our Account Service Department at 1-800-457-7673.</p> <p>The information contained herein is based on the manufacturer's own study and the works of others and is subject to change without prior notice. The information is not intended to be all-inclusive, including as to the manner and conditions of use, handling, storage or disposal or other factors that may involve additional legal, environmental, safety or performance considerations. Nothing contained herein grants or extends a license, express or implied, in connection with any patents issued or pending of the manufacturer or others, or shall be construed as a recommendation to infringe any patents or to violate any applicable laws. STEPAN COMPANY MAKES NO</p>	

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