



# Formulation

Name	<b>CURLY HAIR CONDITIONER</b>	
No.	909	
Description	Extra conditioning formula made with STEPANQUAT® DC1 to soften the inherent dryness of curly hair.	
Formulation	<b>INGREDIENTS:</b>	<b><u>% by Weight</u>   <u>Functionality</u></b>
	Deionized Water	q.s. to 100.0 Carrier
	Structure ZEA (National Starch) Hydroxypropyl Starch Phosphate	3.00 Thickener
	Dow Corning 345 Fluid (Dow Corning) Cyclomethicone	2.00 Conditioning Blend
	STEPANQUAT® DC1	33.0 Conditioning Agent
	Citric Acid	q.s. pH Adjuster
	Sodium Hydroxide	q.s. pH Adjuster
	Fragrance, Dye, & Preservative	q.s. Additives
	<b>Total</b>	<b>100.0</b>
Procedure	In a suitable vessel equipped with mixing capabilities, add Deionized Water. Increase agitation and slowly add Structure ZEA. Mix until Structure ZEA is dispersed in the solution. Add Citric Acid to adjust pH to 3.5 - 4.0. Add Dow Corning 345 Fluid and STEPANQUAT® DC1. Mix well. Add Fragrance, Dye, and Preservatives. Mix. Adjust pH, if necessary.	
Physical Properties	Appearance at 25°C	Opaque thick liquid
	Viscosity, cps at 25°C	17,000 - 20,000
	pH, as is	3.5 - 4.0
Storage/Stability	2 months at 50°C	Stable
	3-cycle freeze/thaw	Pass
Instructions for Use	After shampooing, apply conditioner to wet hair, smooth through, and rinse.	
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For 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). For ordering assistance, call our Account Service Department at 1-800-457-7673.	
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