



Formulation

Name	PUMP LEAVE-IN HAIR CONDITIONER	
No.	650	
Description	This hair conditioner formulation is for pump-spray application. It imparts shine and manageability to the hair.	
Formulation	INGREDIENTS:	% by Weight
	Deionized Water	q.s. to 100.0
	Propylene Glycol	0.8
	UCARE Polymer JR-400 (Amerchol) Polyquaternium-10	0.2
	AMMONYX® CETAC	3.1
	PEG-8 Laurate (HALLSTAR® PEG 400 ML)	0.5
	Dow Corning Q2-8220 Conditioning Additive (Dow Corning) Amodimethicone	0.9
	Formulation Aid 183 (Dow Corning) Dimethicone Copolyol	0.4
	MAKON® 10	0.8
	Preservative, Dye, Fragrance	q.s.
	Total	100.0
Procedure	Add Water and Propylene Glycol. Mix well. Add UCARE Polymer JR-400. When dispersed, add AMMONYX® CETAC and PEG-8 Laurate. Mix. In a separate container, premix Dow Corning Q2-8220, Formulation Aid 183, and MAKON® 10. Add to the main batch. Add Preservative, Dye, and Fragrance. Adjust pH if necessary.	
Physical Properties	Appearance	Slightly opaque liquid
	pH, as is	4.0– 4.5
Storage/ Stability	3 months at 25°C	Stable
	1 month at 42°C	Stable
	1 week at 50°C	Stable
	Freeze/thaw, 3 cycles	Pass
Instructions for Use	Spray on hair and leave in.	
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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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Stepan Company
Northfield, Illinois 60093
Telephone (847) 446-7500

Revision Date: 10/07/2008 Publication Date: 04/01/2008 © 2008, Stepan Company. All rights reserved.