



Formulation

Name	CONDITIONING SHAMPOO	
No.	557	
Description	This 2-in-1 shampoo provides both cleaning and conditioning. The formulation includes Di (Hydrogenated) Tallow Phthalic Acid, which is an excellent emulsifier/suspending agent for silicones, and non-diethanolamine amide.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u>
	Deionized Water	q.s. to 100.0
	STEPANOL® AM-V	70.0
	Di (Hydrogenated) Tallow Phthalic Acid (HALLSTAR® TAB-2)	5.0
	NINOL® M-10	2.0
	Dow Corning 200 Fluid, 12,500 cps (Dow Corning) Dimethicone	0.5
	Versene (Dow Chemical) EDTA	0.2
	Dye, Fragrance, Preservative	0.2
	Citric Acid	q.s.
	Sodium Hydroxide	q.s.
	Ammonium Chloride	q.s.
	Total	100.0
Procedure	Add STEPANOL® AM-V, NINOL® M-10, and EDTA to Water and heat to 75-80°C with mixing. Add Di (Hydrogenated) Tallow Phthalic Acid and Dow Corning 200 Fluid, and mix for 30 minutes. Cool to 25°C with mixing. Add Dye, Fragrance, and Preservative and adjust pH to 5.8-6.2 with Citric Acid or Sodium Hydroxide, as needed. Adjust to desired viscosity with Ammonium Chloride.	
Physical Properties	Appearance	Opaque, liquid
	Viscosity at 25°C, cps	2500 - 3500
	pH, as is	5.8 - 6.2
Storage/Stability	3 months at 25°C	Stable
	1 month at 42°C	Stable
	1 month at 50°C	Stable
Instructions for Use	Apply to wet hair, lather, and rinse.	
External Comment	This formulation has been shown to provide conditioning equivalent to a leading brand of 2-in-1 shampoo/conditioner.	
Registered Trademarks of Stepan Company	STEPANOL® NINOL®	
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.	
	Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The	

manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.



Stepan Company
Northfield, Illinois 60093
Telephone (847) 446-7500

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