



Formulation

Name	CONDITIONING ANTI-DANDRUFF SHAMPOO	
No.	561	
Description	This anti-dandruff shampoo provides cleaning and conditioning as well as dandruff control. The formulation includes HALLSTAR® TAB-2, an emulsifier/suspending agent for zinc pyrithione.	
Formulation	INGREDIENTS:	<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
	Zinc Omadine (Arch Chemical), 48% Dispersion	4.2
	NINOL® 40-CO	2.0
	Dow Corning 200 Fluid, 12,500 cps (Dow Corning) Dimethicone	0.5
	Versene (Dow Chemical) EDTA	0.2
	Dye, Fragrance, Preservative	q.s.
	Citric Acid	q.s.
	Sodium Hydroxide	q.s.
	Ammonium Chloride	q.s.
	Total	100.0
Procedure	Add STEPANOL® AM-V, NINOL® 40-CO, and EDTA to water and heat to 75-80°C with mixing. Add Di (Hydrogenated) Tallow Phthalic Acid, Dow Corning 200 Fluid, and Zinc Omadine. Mix for 30 minutes. Cool to 25°C with mixing and add Dye, Fragrance, and Preservative. Adjust pH to 5.0 - 6.2 with Sodium Hydroxide or Citric Acid as needed. Adjust to desired viscosity with Ammonium Chloride.	
Physical Properties	Appearance	Opaque liquid
	Viscosity at 25°C, cps	2500 - 3500
	pH, as is	5.0 - 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 type of product is considered to be an over-the-counter (O-T-C) drug by the United States Food and Drug Administration (FDA). In order to market such a product, one must consult the appropriate FDA monograph for efficacy and manufacturing requirements and product must be manufactured in a registered FDA facility.	
Registered Trademarks of Stepan Company	STEPANOL® NINOL®	
For Additional	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.	

Assistance

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