



Formulation

Name	DEODORIZING BODY WASH	
No.	639	
Description	This clear liquid body shampoo provides good foam and rinseability. It deodorizes as it cleans.	
Formulation	INGREDIENTS:	% by Weight
	=== Phase 1 ===	
	Deionized Water	q.s. to 100.0
	STEPAN-MILD® LSB	60.0
	STEPANOL® WAT	25.0
	NINOL® 96-SL	4.0
	=== Phase 2 ===	
	Propylene Glycol	1.5
	Irgasan DP 300 (Ciba) Triclosan	0.5
	=== Phase 3 ===	
	PEG-8 Laurate (HALLSTAR® PEG 400 ML)	2.0
	Peptin 2000 (Hormel) Hydrolyzed Collagen	0.5
	Sodium Hydroxide, 50% solution	q.s.
	Sodium Chloride	q.s.
	Fragrance, Dye & Preservative	q.s.
	Total	100.0
Procedure	Prepare Phase 1 by combining first four ingredients in a container and heat to 165°F with mixing. When uniform, cool to 110°F. Meanwhile, in a separate container, combine Phase 2. Mix until Irgansan DP 300 is dissolved. Add to Phase 1. While mixing, add first two ingredients from Phase 3. Adjust pH to 6.0–6.5 with Sodium Hydroxide. Adjust viscosity with Sodium Chloride, if necessary. Add Fragrance, Dye, and Preservative as desired.	
Physical Properties	pH, as is	6.0–6.5
	Appearance at 25°C	Clear, light yellow liquid
	Viscosity, at 25°C (without salt), cps	4000
Storage/Stability	4 weeks at 42°C	Stable
	6 weeks at 50°C	Stable
	6 months at 25°C	Stable
	Freeze/Thaw, 3 cycles	Pass
Instructions for Use	Apply to wet skin, lather and rinse.	
Registered Trademarks of Stepan Company	STEPAN-MILD® STEPANOL® NINOL®	
For	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).	

Additional
Assistance

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

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