



Formulation

Name	MOISTURIZING BODY WASH	
No.	640	
Description	This formulation provides creamy foam and leaves a velvety after-feel.	
Formulation	INGREDIENTS:	<u>% by Weight</u>
	=== Phase 1 ===	
	Deionized Water	q.s. to 100.0
	STEPANOL® AM-V	34.0
	STEPANOL® WA-EXTRA (or STEPANOL® WA-EXTRA HP)	23.0
	NINOL® 30-LL	4.5
	Versene 200 (Dow Chemical) Tetrasodium EDTA	0.2
	=== Phase 2 ===	
	Di (Hydrogenated) Tallow Phthalic Acid (HALLSTAR® TAB-2)	5.0
	Dow Corning 200 Fluid, 200 cps (Dow Corning) Dimethicone	1.0
	Floramac (Floritech) Macademia Ternifolianut Oil	0.5
	=== Phase 3 ===	
	AMPHOSOL® HCG (or AMPHOSOL® HCG-HP)	10.0
	Crodasone W (Croda) Hydrolyzed Wheat Protein PG-Propyl Silanetriol	0.5
	Fragrance, Dye & Preservative	q.s.
	=== Phase 4 ===	
	Citric Acid (50% solution)	q.s.
	=== Phase 5 ===	
	Sodium Chloride	q.s.
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Combine ingredients in Phase 1 in a suitable container and heat to 165°F–170°F with mixing. 2. Add Phase 2 by ingredients into Phase 1. Mix thoroughly for 20-25 minutes while keeping temperature at 165°F–170°F. 3. Start cooling to 110°F, then add in Phase 3 with mixing. 4. Adjust pH to 5.0–6.2 with Citric Acid (50% solution). 5. Adjust viscosity with Sodium Chloride. <p>*Note: When formulating with AMPHOSOL® HCG-HP and/or STEPANOL® WA-EXTRA HP, a greater amount of Citric Acid (50% solution) may be needed to adjust the pH within the recommended range as noted, than when formulating with AMPHOSOL® HCG and STEPANOL® WA-EXTRA.</p>	
Physical Properties	Appearance, as is	White, lotion-like liquid
	pH, as is	5.0– 6.2
	Viscosity, as is (without salt),cps	15,500
Storage/ Stability	6 weeks at 40°F	Stable
	6 weeks at 110°F	Stable
	6 weeks at 120°F	Stable
	3 freeze/thaw cycles	Pass

External
Comment

Marketing Notes: STEPANOL® AMV PCK may be a potential substitute for STEPANOL® AM-V. It should be noted that stability testing using this STEPANOL® AMV PCK has not been completed on this formulation. The substitution may yield slightly different physical properties.

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Assistance

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