



Formulation

Name	MOISTURIZING BODY WASH	
No.	770	
Description	This formulation provides an excellent creamy foam that cleans and moisturizes. HALLSTAR® SAB-2 suspends the moisturizers (NEOBEE® M-5 COSMETIC, Vitamins A & E), providing a silky, luxurious feel.	
Formulation	INGREDIENTS:	<u>% by Weight</u>
	=== Phase 1 ===	
	Deionized Water	q.s.
	Aculyn 44 Polymer (Rohm & Haas) PEG-150/Decyl Alcohol/SMDI Copolymer	2.0
	=== Phase 2 ===	
	STEPANOL® WA-EXTRA	24.0
	STEOL® CS-130	23.0
	NINOL® LMP	2.5
	=== Phase 3 ===	
	Distearyl Phthalic Acid Amide (HALLSTAR® SAB-2)	3.5
	=== Phase 4 ===	
	NEOBEE® M-5 COSMETIC	5.0
	Vitamin E Acetate (Roche) Tocopheryl Acetate	0.1
	Vitamin A Palmitate (Roche) Retinyl Palmitate	0.1
	=== Phase 5 ===	
	Preservative, Dye, Fragrance	q.s.
	AMPHOSOL® HCA	6.6
	Citric Acid	q.s.
	Sodium Hydroxide	q.s.
	Sodium Chloride	q.s.
	Total	100.0
Procedure	Combine Phase 1 ingredients. Mix well. Add Phase 2 by ingredients. Mix well and start heating. At 80-82°C, add Phase 3, mix until dispersed. Add Phase 4 by ingredients. Emulsify for 20-25 minutes at 80-82°C. Start cooling. Mix well. At 38°C, add Preservative, Dye, Fragrance and AMPHOSOL® HCA. At 32°C, adjust pH with Citric Acid or Sodium Hydroxide. Adjust viscosity with Sodium Chloride, if necessary.	
Physical Properties	Appearance at 25°C	Opaque cream
	pH, as-is	5.0 - 5.5
	Viscosity at 25°C, cps	5600
Storage/Stability	1 year at 25°C	Stable
	3 months at 42°C	Stable
	1 month at 50°C	Stable
Instructions	Apply to a wet skin, work into a lather, smooth over the skin, and rinse thoroughly.	

for Use

External
Comment

Note: Aculyn 44 Polymer or Aculyn 22 from Rohm & Haas can be used as the thickener/stabilizer.
(Aculyn 22 is a Acrylates/Steareth-2 Methacrylate Copolymer.)

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Additional
Assistance

For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or
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