



# Formulation

Name	<b>MOISTURIZING BODY WASH</b>	
No.	686	
Description	This formulation provides a moisturizing body wash cream that leaves the skin with a nice, velvety after-feel.	
Formulation	<b>INGREDIENTS:</b>	<u>% by Weight</u>
	=== Phase 1 ===	
	Deionized Water	q.s. to 100.0
	Aculyn 44 Polymer (Rohm & Haas) PEG-150/Decyl Alcohol/SMDI Copolymer	2.4
	STEPANOL® WA-EXTRA (or STEPANOL® WA-EXTRA HP)	24.0
	STEOL® CS-130 (or STEOL® CS-130 HP)	23.0
	NINOL® LMP	2.5
	HALLSTAR® SAB-2 (Hallstar)	3.5
	NEOBEE® M-5 COSMETIC	5.0
	Vitamin A (Roche)	0.1
	Vitamin E (Roche)	0.1
	=== Phase 2 ===	
	Preservative, Dye, Fragrance	q.s.
	AMPHOSOL® CA	3.3-4.0
	Citric Acid (50% solution)	q.s.
	Sodium Chloride	q.s.
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"> <li>1. Combine Deionized Water and Aculyn 44 Polymer. Mix until homogenous.</li> <li>2. Add the next three ingredients in Phase 1. Mix well and start heating to 71°C-74°C (160°F-165°F).</li> <li>3. At 74°C (165°F), add HALLSTAR® SAB-2. Mix until dispersed.</li> <li>4. Add remaining ingredients in Phase 1. Emulsify for 20-25 minutes at 71°C-74°C (160°F-165 °F). Start cooling to room temperature.</li> <li>5. At 32°C (90°F), add Preservative, Dye, and Fragrance. Mix well.</li> <li>6. Add AMPHOSOL® CA. Mix well.</li> <li>7. Adjust pH with Citric Acid (50% solution) and viscosity with Sodium Chloride, if necessary.</li> </ol> <p>*Note: When formulating with STEOL® CS-130 HP and 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 STEOL® CS-130 and STEPANOL® WA-EXTRA respectively.</p>	
Physical Properties	Appearance, as is	Opaque cream
	pH at 25°C	3.5-4.0
	Viscosity at 25°C (#6 spindle at 10 rpm), cps	10,500
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For	For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or	

Additional  
Assistance

011-334-76-505-100 (Europe).

For ordering assistance, call our Account Service Department at 1-800-457-7673.

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Revision Date: 12/19/2016    Publication Date:    © 2016, Stepan Company. All rights reserved.