

# Formulation

Name	<b>FOAMING BODY MILK</b>	
No.	1277	
Description	Counter the effects of pollution and unveil clean, smooth skin with this foaming body milk that uses mild cleansers to gently remove dirt and particles and moisturizing coconut milk to soothe skin.	
Formulation	<b>INGREDIENTS:</b>	<b><u>% by Weight</u> <u>Functionality</u></b>
	=== Phase 1 ===	
	Deionized Water	q.s. to 100.00 Carrier
	STEPAN-MILD® PCL-BA	18.50 Primary Surfactant
	Glycerin	6.33 Humectant
	Coconut Milk	0.50 Moisturizing Agent
	=== Phase 2 ===	
	AMPHOSOL® HCA-HP	10.00 Secondary Surfactant
	AMPHOSOL® 2C	2.90 Secondary Surfactant, Chelating Agent
	HallStar® EGDS (The HallStar Company) Glycol Distearate	0.25 Pearlescent Agent
	=== Phase 3 ===	
	Citric Acid	q.s. pH Adjuster
	Fragrance	q.s. Fragrance
	Preservative	q.s. Preservative
	<b>Total</b>	<b>100.00</b>
Procedure	<ol style="list-style-type: none"> <li>1. In a vessel equipped for heating and mixing, charge Phase 1 ingredients. Begin to mix and heat to 65 °C (149 °F) until completely homogenous.</li> <li>2. Once at 65 °C (149 °F), add Phase 2 ingredients to Phase 1 one by one until homogenous.</li> <li>3. Mix for 5 minutes at temperature and then cool down slowly to room temperature with slow agitation.</li> <li>4. Adjust the pH, and add Fragrance and Preservative.</li> </ol>	
Physical Properties	Appearance at 25 °C	White, opaque viscous liquid
	pH, as is	6.0 - 6.5
	Viscosity at 25 °C, cps	5,000 - 7,000
Storage/Stability	4 weeks at 5 °C	Stable
	4 weeks at 25 °C	Stable
	4 weeks at 45 °C	Stable
	Freeze/Thaw, 3 cycles	Pass
Instructions for Use	Apply onto a wet bath pouf, washcloth, or hands. Work into a rich lather, then rinse well with water. Repeat as desired.	
External Comment	Marketing Notes: This formulation is sulfate-free. Sulfate-free is defined as not containing Alcohol sulfate or Alcohol ether sulfate as per INCI nomenclature. This definition does not include the	

inorganic sulfates, e.g. sodium sulfates, used as processing aids or formed as a residual, impurity or by-product. BCI = 79. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. Other ingredients were not evaluated. For further information on Stepan's BCI, visit [www.stepan.com](http://www.stepan.com).

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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).  
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