



# Formulation

Name	<b>GENTLE FACE WASH WITH CHAMOMILE</b>	
No.	1280	
Description	Refresh skin with a self-foaming wash, which uses a trio of mild, sulfate-free cleansers to gently wash away dirt, oil, and pollutants. Soothing chamomile lightly conditions for a smooth, fresh feeling face. Finish with the Hydrating Facial Serum with Natural Moisturizers (Formulation No. 1284).	
Formulation	<b>INGREDIENTS:</b>	<b><u>% by Weight</u>   <u>Functionality</u></b>
	=== Phase 1 ===	
	Deionized Water	q.s. to 100.0 Carrier
	Glycerin	5.5 Humectant
	Chamomile Flower in Glycerin - 3230GL (Bio-Botanica, Inc.)	0.5 Additive
	=== Phase 2 ===	
	Keltrol® CG-SFT (CP Kelco U.S., Inc.) Xanthan Gum	0.1 Thickener
	=== Phase 3 ===	
	STEPAN-MILD® PCL-BA	20.3 Primary Surfactant
	AMPHOSOL® 2C	5.2 Secondary Surfactant, Chelating Agent
	=== Phase 4 ===	
	Citric Acid	q.s. pH Adjuster
	Fragrance	q.s. Fragrance
	Preservative	q.s. Preservative
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"> <li>1. In an appropriate container, charge Phase 1 ingredients and mix until homogenous and clear.</li> <li>2. Slowly sprinkle Keltrol CG-SFT into vessel with high mixing until completely homogenous.</li> <li>3. Charge Phase 3 ingredients and mix until homogenous and clear.</li> <li>4. Adjust the pH, and add Fragrance and Preservative.</li> </ol>	
Physical Properties	Appearance at 25 °C	Clear, water thin liquid
	pH, as is	5.5 - 6.5
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	Dispense 1-2 pumps of foam into the palm of the hand. Apply to face. Rinse thoroughly.	
External Comment	Marketing Notes: Sulfate-free is defined by Stepan as containing no Alcohol Sulfates and no Alcohol Ether Sulfates as per the INCI Nomenclature. BCI = 84. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. Other ingredients	

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were not evaluated. For further information on Stepan's BCI, visit [www.stepan.com](http://www.stepan.com).

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