



## Formulation

Name	<b>THE MEN'S COLLECTION: CLEANSING MOUSSE with Vitamin E, Coconut Oil, and Allantoin</b>		
No.	1347		
Description	A daily-use cleanser that can easily double as a shaving cream. This sulfate-free cleanser gently removes dirt and excess oil while moisturizing skin (and beard!) with natural moisturizers. This formulation also contains allantoin which, when used within FDA guidelines, can be considered a skin protectant active ingredient.		
Formulation	<b>INGREDIENTS:</b>	<b>% by Weight</b>	<b>Functionality</b>
	=== Phase 1 ===		
	MAPROSYL® 30-B	10.80	Primary Surfactant
	Plantaren® 1200 N UP (BASF Corporation) Lauryl Glucoside	4.30	Secondary Surfactant
	AMPHOSOL® HCG-HP	3.20	Secondary Surfactant
	Citric Acid, 50% Solution	q.s.	pH Adjuster
	=== Phase 2 ===		
	STEPAN-MILD® GCC	7.30	Structure Agent, Cleansing/Skin Feel
	Deionized Water	q.s. to 100.00	Carrier
	Euxyl® PE 9010 (Schulke Inc.) Phenoxyethanol	0.30	Preservative
	=== Phase 3 ===		
	Lauric Acid	0.70	Cleansing/Skin Feel
	Cocos Nucifera (Coconut) Oil	0.90	Emollient
	Sodium PCA (Sodium L-Pyroglutamate)	0.50	Humectant
	Allantoin	0.05	Skin Feel
	Tocopheryl Acetate	0.50	Antioxidant
	Fragrance	0.50	Fragrance
	<b>Total</b>	<b>100.00</b>	
Procedure	<ol style="list-style-type: none"><li>1. Into a suitable vessel for mixing, charge MAPROSYL® 30-B, Lauryl Glucoside, and AMPHOSOL® HCG-HP. Mix until homogeneous.</li><li>2. Adjust the pH with Citric Acid, 50% Solution to target pH 5.0-5.5.</li><li>3. Charge STEPAN-MILD® GCC while mixing, slowly, and until completely homogeneous.</li><li>4. Charge Deionized Water and Phenoxyethanol one by one. Mix until homogeneous.</li><li>5. In a separate container, melt the Lauric Acid and Coconut oil. Charge into main vessel, and mix until homogeneous.</li><li>6. Charge remaining Phase 3 ingredients one by one. Mix until homogeneous.</li></ol>		
Physical Properties	Appearance at 25°C	Opaque, flowable liquid	
	pH, as is	5.0-5.5	
	Viscosity at 25°C, cps	< 1,500	
Storage/ Stability	4 weeks at 25°C	Stable	
	4 weeks at 45°C	Stable	
	4 weeks at 5°C	Stable	
	Freeze/Thaw, 3 cycles	Pass	

Instructions for Use	Uncap aerosol can. Shake well and dispense ample amount on hand.
External Comment	Marketing Notes: BCI = 84. 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 <a href="http://www.stepan.com">www.stepan.com</a> . Natural is defined as 100% bio-based. STEPAN-MILD® GCC has a BCI = 100%.
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