


Formulation

Name	SELF-FOAMING FACE MASK WITH STEPAN-MILD® LSB		
No.	1261		
Description	Add fun and whimsy into your beauty routine with this self-foaming face mask! Once applied to the face, the self-foaming agent bubbles and fizzes into a frothy texture while menthol provides a cooling, tingly sensation. Let it sit for 5 minutes then pat down and rub over your face. The mask produces a gentle foam and rinses easily thanks to the sulfate-free* cleanser STEPAN-MILD® LSB while natural* emollient NEOBEE® M-5 COSMETIC leaves the skin feeling soft and conditioned.		
Formulation	INGREDIENTS:	<u>% by Weight</u>	<u>Functionality</u>
	=== Phase 1 ===		
	Deionized Water	q.s. to 100.0	Carrier
	=== Phase 2 ===		
	Keltrol® CG-SFT (CP Kelco)	1.0	Thickener
	Pentylene Glycol	2.0	Humectant
	NEOBEE® M-5 COSMETIC	2.0	Humectant
	=== Phase 3 ===		
	dl-Menthol (Aldrich)	0.2	Perfume Agent
	Titanium Dioxide 3328 USP BC (Princeton Chemicals, Inc.)	5.0	Whitening Agent
	STEPAN-MILD® LSB	20.0	Primary Surfactant
	AMPHOSOL® HCA-HP	10.0	Secondary Surfactant
	Polargel® NF BC 342 (Princeton Chemicals, Inc.)	11.0	Thickener
	Salicylic Acid, USP Grade (Sigma Aldrich, Inc.)	1.0	Active
	Citric Acid, 50% solution	q.s.	pH Adjuster
	Sodium Hydroxide, 50% solution	q.s.	pH Adjuster
	Preservative	q.s.	Preservative
	=== Phase 4 ===		
	AE CosmoFluor #61 (Princeton Chemicals, Inc.)	10.0	Additive
	Total	100.0	
Procedure	<ol style="list-style-type: none"> 1. Add Deionized Water with mixing. 2. Premix Keltrol CG-SFT, pentylene glycol, and NEOBEE® M-5 COSMETIC. Add to water until fully hydrated. 3. Add Menthol in liquid form and mix until homogenous (if adding it as a solid, heat mixture to 75°C (167°F) before the addition, mix until homogeneous then turn off the heat). 4. Add Titanium Dioxide, STEPAN-MILD® LSB, AMPHOSOL® HCA-HP, Polargel NF BC 342, and Salicylic Acid with mixing. 5. Adjust pH with Citric Acid or Sodium Hydroxide solution. Mix until homogenous. 6. Add preservative. Mix until homogeneous. 7. Add AE CosmoFluor #61 at or below room temperature. Mix for 5 minutes. <p>*For mixing, it is recommended to use an A-shaped blade mixer.</p>		
Physical	Appearance at 25°C	Thick, white clay	

Properties	pH, as is Viscosity at 25°C, cps (Brookfield Viscometer: spindle 4, RPM 3)	4.5 140,000
Storage/ Stability	4 weeks at 4°C 4 weeks at 25°C Freeze/Thaw, 3 cycles	Stable Stable Passes
Instructions for Use	Dispense into hand and apply to dry face, avoiding eyes. After 5 minutes, rinse well with water and pat dry. If the formulation comes in direct contact with eyes, rinse thoroughly.	
External Comment	Marketing Notes: Sulfate-free is defined as containing no alkyl sulfates/alkyl ether sulfates, and natural is defined as 100% bio-based. Bio-based is defined as sourced from plant, animal or marine sources. BCI = 66. 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 . This formulation foams when exposed to air above 16°C (61°F). Take care when manufacturing in large batches. Package in airless containers/pumps to prevent the formulation from foaming until use.	
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For Additional Assistance	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). For ordering assistance, call our Account Service Department at 1-800-457-7673.	
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