



Formulation

Name	CLEAR MILD FACIAL CLEANSER		
No.	1352		
Description	A mild facial cleanser using ether sulfate and AMPHOSOL® CS-50 that creates a lacy foam and leaves skin feeling soft and clean.		
Formulation	INGREDIENTS:	% by Weight	Functionality
	=== Phase 1 ===		
	Deionized Water	q.s. to 100	Diluent
	Glycerin	1.000	Humectant
	STEOL® CS-270 C (STEOL® CS-270 PLUS)	7.000	Surfactant
	=== Phase 2 ===		
	NINOL® CAA	0.300	Viscosity Modifier
	STEPAN-MILD® L3	1.000	Emollient
	=== Phase 3 ===		
	AMPHOSOL® CS-50	4.000	Surfactant
	=== Phase 4 ===		
	Microcare® PE [Thor] Phenoxyethanol	0.750	Preservative
	=== Phase 5 ===		
	Citric Acid	0.001	pH Adjuster
	Sodium Hydroxide	0.001	pH Adjuster
	Sodium Chloride	0.001	Viscosity Adjuster
	Total	100.000	
Procedure	<p>Note: This batch is made at room temperature. No heating is needed.</p> <ol style="list-style-type: none">1. Add Deionized Water, Glycerin and STEOL® CS-270 C (or STEOL® CS-270 PLUS) to the main vessel with regular mixing until batch is homogenous.2. Add NINOL® CAA and STEPAN-MILD® L3 one at a time** to the main vessel with regular mixing until batch is homogeneous. <p>**NOTE: Ensure batch is crystal clear before adding the next raw material.</p> <ol style="list-style-type: none">3. Slowly add AMPHOSOL® CS-50 to the main vessel with regular mixing until batch is clear and uniform.4. Add Microcare® PE to the main vessel with regular mixing.5. Add Citric Acid and Sodium Hydroxide as needed to adjust pH.6. Add Sodium Chloride as needed to reach target viscosity. <p>**While this formulation provides a starting point, it is up to the end manufacturer to ensure their formulations and products meet all application regulations, including the New York 1,4-dioxane concentration limits.</p>		
Physical Properties	Appearance, as is	Clear to slightly hazy, flowing liquid	
	pH, as is	gel	
	Viscosity, LV63 at 6 rpm, cps	5.5 - 6.5	

1,500 - 3,000

Instructions for Use	Apply product to wet hands, rub hands together for 15 seconds to create a thick lather, apply to face and rinse face until clean.
External Comment	Marketing Notes: STEOL® CS-270 PLUS has a maximum residual 1,4-dioxane level of 10 ppm on an as-supplied basis.
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