



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: === Phase 1 === Deionized Water Glycerin STEOL® CS-270 C (STEOL® CS-270 PLUS) === Phase 2 === NINOL® CAA STEPAN-MILD® L3 === Phase 3 === AMPHOSOL® CS-50 === Phase 4 === Microcare® PE [Thor] Phenoxyethanol === Phase 5 === Citric Acid Sodium Hydroxide Sodium Chloride Total	<u>% by Weight</u> <u>Functionality</u> q.s. to 100 Diluent 1.000 Humectant 7.000 Surfactant 0.300 Viscosity Modifier 1.000 Emollient 4.000 Surfactant 0.750 Preservative 0.001 pH Adjuster 0.001 pH Adjuster 0.001 Viscosity Adjuster <hr/> 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 pH, as is Viscosity, LV63 at 6 rpm, cps	Clear to slightly hazy, flowing liquid gel 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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For Additional Assistance For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or +33 476 505 100 (Europe).
For ordering assistance, call our Account Service Department at 1-800-457-7673.

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