



Formulation

Name	STRUCTURED LIQUIDS TECHNOLOGY - MOISTURIZING FACE AND BODY WASH		
No.	1252		
Description	The face and body wash has a creamy texture that turns into foam and softens the skin, and helps to improve skin after feel.		
Formulation	<div>INGREDIENTS:</div> <div><div><div>=== Phase 1 ===</div><div>STEPANOL® AM-CIT/MIT</div><div>STEPAN-MILD® GCC</div><div>Natural Oil (Soybean, Sunflower or Coconut)</div><div>Fragrance 87995 Belle Aire</div><div>Citric Acid (50% Solution)</div></div><div><div>=== Phase 2 ===</div><div>Deionized Water</div><div>Sodium Benzoate</div><div>Farmal MS 6822 (Ingredient)</div><div>Sodium Hydroxypropyl Starch Phosphate</div></div></div> <div><div>Total</div><div>100.0</div></div>		
Procedure	<div><div>1. In a suitable vessel equipped with heating and agitation capabilities, charge STEPANOL® AM-CIT/MIT and STEPAN-MILD® GCC with mixing at 45°C until homogenous. Avoid aeration.</div><div>2. Add Oil and Fragrance with agitation. Mix until homogenous and avoid aeration.</div><div>3. Add Citric Acid (50% Solution) with mixing.</div><div>4. In a separate vessel, pre-mix Deionized Water, Farmal MS 6822 and Sodium Benzoate. Heat to 45-50°C..</div><div>5. Add this premix to the batch under high shearing. A homogenizer is recommended. Mix until homogeneous and avoid aeration.</div><div>7. Cool to room temperature.</div></div>		
Physical Properties	<div>Appearance at 25°C</div> <div>pH, as is, at 25°C</div> <div>Viscosity at 25°C (RVT sp.B @10 rpm, 60 sec), cps</div>	<div>White to off-white lotion</div> <div>4.0 - 5.0</div> <div>7,000 - 12,000</div>	
Storage/ Stability	<div>4 weeks at 5°C</div> <div>4 weeks at 25°C</div> <div>4 weeks at 45°C</div> <div>Freeze/Thaw 3 cycles</div>	<div>Stable</div> <div>Stable</div> <div>Stable</div> <div>passes</div>	
Instructions for Use	<div>For daily use: Squeeze body wash onto a wet pouf, washcloth or hands. Work into rich, creamy lather, then rinse.</div> <div>Other natural oils may be used in this formulation, however only Soybean, Sunflower and Coconut oils have been evaluated at this time. In-house testing was completed on this formulation. The creamy texture that was noted is based on foam morphology data that was collected on test</div>		

External
Comment

subjects. Test subjects also evaluated skin feel.

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Marketing Notes: This formulation is based on Stepan patented technology. BCI = 98. 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.

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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).
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