

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	<u>INGREDIENTS:</u>	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 ===	
	STEPANOL® AM-CIT/MIT	20.0 Primary Surfactant
	STEPAN-MILD® GCC	10.0 Structure Agent
	Natural Oil (Soybean, Sunflower or Coconut)	10.0 Moisturizing Agent
	Fragrance 87995 Belle Aire	0.4 Fragrance
	Citric Acid (50% Solution)	0.5 pH Adjuster
	=== Phase 2 ===	
	Deionized Water	q.s. to 100.0 Diluent
	Sodium Benzoate	0.5 Preservative
	Farmal MS 6822 (Ingredient) Sodium Hydroxypropyl Starch Phosphate	3.0 Feel Enhancer
	Total	100.0
Procedure	<ol style="list-style-type: none"> 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. 2. Add Oil and Fragrance with agitation. Mix until homogenous and avoid aeration. 3. Add Citric Acid (50% Solution) with mixing. 4. In a separate vessel, pre-mix Deionized Water, Farmal MS 6822 and Sodium Benzoate. Heat to 45-50°C.. 5. Add this premix to the batch under high shearing. A homogenizer is recommended. Mix until homogeneous and avoid aeration. 7. Cool to room temperature. 	
Physical Properties	Appearance at 25°C	White to off-white lotion
	pH, as is, at 25°C	4.0 - 5.0
	Viscosity at 25°C (RVT sp.B @10 rpm, 60 sec), cps	7,000 - 12,000
Storage/Stability	4 weeks at 5°C	Stable
	4 weeks at 25°C	Stable
	4 weeks at 45°C	Stable
	Freeze/Thaw 3 cycles	passes
Instructions for Use	For daily use: Squeeze body wash onto a wet pouf, washcloth or hands. Work into rich, creamy lather, then rinse.	
	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	

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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