



Formulation

Name	STRUCTURED LIQUIDS TECHNOLOGY - SULFATE-FREE MOISTURIZING FACE AND BODY WASH	
No.	1272	
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. Stepan ingredients are compliant with the Whole Foods Market® Premium Body Care standards as of June 2017.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 ===	
	ALPHA-STEP® PC-48	8.5 Primary Surfactant
	STEPAN-MILD® GCC	13.5 Structure Agent
	Natural Oil (Soybean, Sunflower or Coconut)	10.0 Moisturizing Agent
	Fragrance 87995 (Belle Aire Creations)	0.4 Fragrance
	Citric Acid (50% Solution)	0.5 pH Adjuster
	=== Phase 2 ===	
	Deionized Water	q.s. to 100 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 ALPHA-STEP® PC-48 and STEPAN-MILD® GCC with mixing at 45°C (113°F) 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 (113-122°F). 5. Add this premix to the batch under high shearing. A homogenizer is recommended. Mix until homogenous and avoid aeration. 6. 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.	
External Comment	Marketing Notes: All ingredients used in this formulation are not expressly listed on Whole Foods	

Market® Premium Body Care Unacceptable Ingredients list as of June 2017. Whole Foods Market® is a registered trademark of Whole Foods Market IP, L.P. Structured Liquids are a patented technology, used for suspension of particles and is free from the use of polymers. Sulfate-free is defined as not containing Alcohol sulfate or Alcohol ether sulfate as per INCI nomenclature. This definition does not include the inorganic sulfates, e.g. sodium sulfates, used as processing aids or formed as a residual, impurity or by-product. 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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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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Stepan 

Stepan Company
Northfield, Illinois 60093
Telephone (847) 446-7500

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