

Name

STRUCTURED LIQUIDS TECHNOLOGY - MILK TO FOAM BODY WASH WITH 20% NATURAL OIL

No.

1245

Description

A body wash with creamy texture that turns into foam and softens the skin.

Formulation INGREDIENTS:

% by Weight Functionality

=== Phase 1 ===

STEPAN-MILD® GCC

12.0 Structure Agent, Surfactant

STEPANOL® AM-CIT/MIT 20.0 Surfactant Natural Oil (Soybean, Sunflower or Coconut)

20.0 Moisturizing Agent

Fragrance

=== Phase 2 === **Deionized Water**

g.s. to 100.0 Diluent

0.5 Preservative

q.s. Fragrance

Sodium Benzoate === Phase 3 ===

Citric Acid

q.s. pH Adjuster

q.s. Dye

Dye Total

100.0

Procedure

- 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 mix until homogenous and avoid aeration.
- 2. Add the Natural Oil and Fragrance (if desired) with agitation. Mix until homogenous. Avoid aeration.
- 3. In a separate vessel, pre-mix Deionized Water and Sodium Benzoate. Heat to 45-60°C. Mix until completely clear.
- 4. Add this premix to the batch under high shear mixing
- a homogenizer is recommended. Mix until homogeneous, avoid aeration.
- 6. Adjust pH with Citric Acid.
- 7. Add Dye as desired.

Physical **Properties** Appearance at 25°C Opaque viscous liquid

5.0 - 5.5 pH, as is, at 25°C

7,000 - 12,000 Viscosity at 25°C (RVT A, 10 rpm, 60 sec), cps

Storage/ Stability

4 weeks at 5ºC Stable 4 weeks at 25°C Stable 4 weeks at 45°C Stable Freeze/Thaw 3 cycles **Passes**

External Comment

Marketing Notes: Structured Liquids are a patented technology, used for suspension of particles and is free from the use of polymers. The body wash rinses cleanly and quickly, ultra-mild formula offers natural nourishment. BCI = 99. 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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For 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).

For ordering assistance, call our Account Service Department at 1-800-457-7673.

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