PEARLESCENT CONDITIONING SHAMPOO AND BODY WASH

No. 1013

Description
This pearlescent shampoo provides good foam and conditioning properties that can also be utilized as a body wash.

Formulation

INGREDIENTS: % by Weight Functionality

- Deionized Water q.s. to 100.0 Carrier
- UCARE Polymer JR-400 (Amerchol) Polyquaternium-10 0.3 Conditioning Agent
- Polyquaternium-10 0.5 Humectant
- Glycerin 36.7 Primary Surfactant
- STEPAN-MILD® PCL 9.6 Secondary Surfactant
- AMPHOSOL® HCG (or AMPHOSOL® HCG-HP) 0.5 Pearlescent Agent
- Glycol Stearate 0.2 Additive
- Panthenol (Roche) q.s. Viscosity Builder
- Sodium Chloride q.s. pH Adjuster
- Citric Acid, 50% Solution q.s. pH Adjuster
- Sodium Hydroxide, 50% Solution q.s. Additive
- Preservative, Dye and Fragrance

Total 100.0

Procedure
2. Slowly sprinkle in UCARE JR-400. Mix until completely dispersed.
3. Add Glycerin. Mix thoroughly.
4. Add STEPAN-MILD® PCL and AMPHOSOL® HCG (or AMPHOSOL® HCG-HP), mixing until homogeneous.
6. Start cooling. At ambient temperature, adjust pH with Sodium Hydroxide or Citric Acid. Adjust viscosity with Sodium Chloride, if necessary.
8. Add Preservative, Dye, and Fragrance as desired.

*Note: When formulating with AMPHOSOL® HCG-HP, a greater amount of Citric Acid, 50% solution, may be needed to adjust the pH within the recommended range as noted, than when formulating with AMPHOSOL® HCG.

Physical Properties
- Appearance at 25°C Pearlescent liquid
- pH, as is 6.5–7.0
- Viscosity at 25°C, cps 3,500-5,000

Storage/Stability
- 1 month at 25°C Stable
- 4 weeks at 45°C Stable

Instructions for Use
- Apply shampoo to wet hair, lather, and then rinse.

External Comment
Marketing Notes: BCI = 85. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. For further information on Stepan's BCI, visit
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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