SULFATE-FREE, MOISTURIZING GENTLE FOAMING HAND SOAP

Name:

No. 1179

Description:
An instant foaming hand soap that cleanses gently while leaving skin feeling soft and smooth.

Formulation:

INGREDIENTS: % by Weight  Functionality

Deionized Water  q.s. to 100.00  Diluent
Natrosol 250 HHR (Hercules) Hydroxyethylcellulose  0.05  Thickener
Glycerin  0.50  Humectant
ALPHA-STEP® PC-48  16.00  Primary Surfactant
AMPHOSOL® HCG  3.50  Secondary Surfactant
STEPAN-MILD® L3  1.50  Emollient
Fragrance  0.25  Fragrance
Citric Acid (50% solution)  q.s.  pH Adjuster
Kathon CG (Rohm and Haas) Methylchloroisothiazolinone and 0.05  Preservative
Methylisothiazolinone

Total  100.00

Procedure:
1. In a suitable vessel equipped with heating and agitation capabilities, charge Deionized Water and begin mixing.
2. Sprinkle in Natrosol 250 HHP. Mix until dispersed.
3. Add Glycerin, ALPHA-STEP® PC-48, AMPHOSOL® HCG. Mix well.
4. Start heating to 45ºC.
5. Add STEPAN-MILD® L3. Mix until clear.
6. Add Fragrance. Mix until clear.
7. Cool to room temperature.
8. Adjust pH to 5.0–6.0 with Citric Acid (50% solution).
9. Add Kathon CG.

Physical Properties:

Appearance, as is  Clear liquid
pH at 25ºC, as is  5.0–6.0
Viscosity at 25ºC, cps  Water thin

Storage/Stability:

4 weeks at 5ºC  Stable
4 weeks at 25ºC  Stable
4 weeks at 40ºC  Stable
Freeze/Thaw 3 cycles  Pass

Instructions for Use:

Apply to wet hands, lather, and rinse.

External Comment:

Marketing Notes: BCI = 89. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. For further information on Stepan's BCI; visit www.stepan.com.

Registered Trademarks:

ALPHA-STEP®
AMPHOSOL®
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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