### MOISTURIZING HAND SOAP

**No.** 1172  
**Description** This hand soap provides excellent cleansing properties while leaving the skin feeling soft and moisturized.

#### INGREDIENTS:
- Deionized Water
- STEPNOL® MG
- ALPHA-STEP® PC-48
- AMPHOSOL® LB
- STEPAN-MILD® L3
- STEPAN-MILD® GCC
- NaCl
- Citric Acid 50% solution
- NaOH 50% solution
- Preservatives
- Fragrance
- Dye

#### Procedure
Add Deionized Water to vessel with agitation capabilities. Start mixing. Add STEPNOL® MG, ALPHA-STEP® PC-48, and AMPHOSOL® LB. Continue mixing until homogeneous. Add STEPAN-MILD® L3 and STEPAN-MILD® GCC, mixing after each addition until clear. Adjust viscosity with NaCl and pH with NaOH or Citric Acid, if necessary. Add Preservatives, Fragrance, and Dye as needed.

#### Total: 100.0%

<table>
<thead>
<tr>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>q.s. to 100.0</td>
<td>Carrier</td>
</tr>
<tr>
<td>20.0</td>
<td>Primary Surfactant</td>
</tr>
<tr>
<td>13.0</td>
<td>Secondary Surfactant</td>
</tr>
<tr>
<td>10.0</td>
<td>Foam and Viscosity Stabilizer</td>
</tr>
<tr>
<td>0.5</td>
<td>Emollient</td>
</tr>
<tr>
<td>0.5</td>
<td>Conditioning Agent</td>
</tr>
<tr>
<td>q.s.</td>
<td>Viscosity Builder</td>
</tr>
<tr>
<td>q.s.</td>
<td>pH Adjuster</td>
</tr>
<tr>
<td>q.s.</td>
<td>pH Adjuster</td>
</tr>
<tr>
<td>q.s.</td>
<td>Preservative</td>
</tr>
<tr>
<td>q.s.</td>
<td>Perfume Agent</td>
</tr>
<tr>
<td>q.s.</td>
<td></td>
</tr>
</tbody>
</table>

#### Physical Properties
- Appearance at 25°C: Slightly yellow, clear liquid
- pH, as is at 25°C: 5.0–6.5
- Viscosity at 25°C, cps: 500–800

#### Storage/Stability
- Room temperature: 3 months
- 50°C: 2 weeks
- Freeze/thaw: 3 cycles

#### Instructions for Use
Apply to wet skin and work into a lather, Rinse thoroughly.

#### External Comment
Marketing Notes: BCI = 90. 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 of Stepan Company
- STEPNOL®
- AMPHOSOL®
- ALPHA-STEP®
- STEPAN-MILD®
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.

Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

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

Revision Date: Publication Date: 01/03/2012 © 2012, Stepan Company. All rights reserved.