Name | GENTLE SHAMPOO  
No. | 715  
Description | This formulation provides mild cleansing for fine hair.

**Formulation**

**INGREDIENTS:**

<table>
<thead>
<tr>
<th>Phase 1</th>
<th></th>
<th>Phase 2</th>
<th></th>
<th>Total</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STEOL® CS-330 (or STEOL® CS-330 HP)</td>
<td>30.0</td>
<td>Sodium Chloride</td>
<td>1.0</td>
<td>31.0</td>
<td></td>
</tr>
<tr>
<td>STEPANOL® AM-V</td>
<td>15.0</td>
<td>Citric Acid</td>
<td>q.s.</td>
<td>15.0</td>
<td></td>
</tr>
<tr>
<td>AMMONYX® LO</td>
<td>1.0</td>
<td>Fragrance, Dye, &amp; Preservative</td>
<td>q.s.</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>NINOL® 40-CO</td>
<td>2.0</td>
<td>Deionized Water</td>
<td>q.s. to 100.0</td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td>Glycerin (Uniqema)</td>
<td>3.0</td>
<td></td>
<td></td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Methocel F4M (Dow) Hydroxypropyl Methycellulose</td>
<td>0.4</td>
<td></td>
<td></td>
<td>0.4</td>
<td></td>
</tr>
</tbody>
</table>

**Procedure**

1. Heat one-third of the required Deionized Water to 80°C (176°F).
2. Add Methocel F4M and agitate until all particles have been dispersed.
3. Turn off heat and add the remainder of the Deionized Water.
4. Agitate until the solution is clear and particle free.
5. Add the remaining ingredients from Phase 1 and mix until homogeneous.
6. Adjust pH with Citric Acid to 6.0-6.5.
7. Add Fragrance, Dye, and Preservative, as desired.
8. Viscosity may be modified by the addition of Sodium Chloride.

*Note: When formulating with STEOL® CS-330 HP, a greater amount of Citric Acid may be needed to adjust the pH within the recommended range as noted, than when formulating with STEOL® CS-330.*

**Physical Properties**

- **Appearance at 25°C**: Liquid
- **pH, as is**: 6.0-6.5
- **Stability**:  
  - 6 months at 25°C: Stable
  - 3 months at 42°C: Stable
  - 1 month at 50°C: Stable

**Instructions for Use**

Apply to wet hair, work into lather, and rinse thoroughly.

**External Comment**

Marketing Notes: STEPANOL® AMV PCK may be a potential substitute for STEPANOL® AM-V. It should be noted that stability testing using this STEPANOL® AMV PCK has not been completed on this formulation. The substitution may yield slightly different physical properties.

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

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