SHAMPOO FOR DRY HAIR

No. 890

This mild formulation provides moisturizing properties to the hair.

**Formulation**

**INGREDIENTS:**

- Deionized Water
- PEG-150 Distearate (HALLSTAR® PEG 6000 DS)
- STEOL® CS-230
- AMPHOSOL® 2C
- AMPHOSOL® CS-50
- DL-Panthenol (Roche) Panthenol
- Citric Acid
- Sodium Hydroxide
- Sodium Chloride
- Fragrance, Dye & Preservative

**% by Weight**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized Water</td>
<td>q.s. to 100.0</td>
<td>Solvent, Carrier</td>
</tr>
<tr>
<td>PEG-150 Distearate (HALLSTAR® PEG 6000 DS)</td>
<td>0.5</td>
<td>Thickener</td>
</tr>
<tr>
<td>STEOL® CS-230</td>
<td>20.0</td>
<td>Primary Surfactant</td>
</tr>
<tr>
<td>AMPHOSOL® 2C</td>
<td>20.0</td>
<td>Surfactant</td>
</tr>
<tr>
<td>AMPHOSOL® CS-50</td>
<td>6.0</td>
<td>Surfactant</td>
</tr>
<tr>
<td>DL-Panthenol (Roche) Panthenol</td>
<td>0.05</td>
<td>Additive</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>q.s.</td>
<td>pH Adjuster</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>q.s.</td>
<td>pH Adjuster</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>q.s.</td>
<td>Viscosity Adjuster</td>
</tr>
<tr>
<td>Fragrance, Dye &amp; Preservative</td>
<td>q.s.</td>
<td>Additives</td>
</tr>
</tbody>
</table>

**Total** 100.0

**Procedure**

2. Begin mixing and heating to 70-75°C.
3. When PEG-150 Distearate is melted, mix for 15-20 minutes maintaining a temperature of 70-75°C and begin cooling to 25°C.
5. Adjust pH with Citric Acid or Sodium Hydroxide and viscosity with Sodium Chloride.

**Physical Properties**

- **pH**: 6.0 - 6.5
- **Viscosity at 25°C, cps**: 7000 - 8000

**Storage/Stability**

- 3 months at 25°C: Stable
- 1 month at 42°C: Stable
- 1 week at 50°C: Stable

**Instructions for Use**

Wet hair, apply, and rinse.

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- STEOL®
- 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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