# Formulation

**Name**

SHOWER & BATH GEL

**No.**

645

**Description**

This gel can be used in the bath or shower to produce high quality foam for that "squeaky clean" feel.

**Formulation**

<table>
<thead>
<tr>
<th>INGREDIENTS:</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>== Phase 1 ==</strong></td>
<td></td>
</tr>
<tr>
<td>Deionized Water</td>
<td>q.s. to 100.0</td>
</tr>
<tr>
<td>STEOL® CS-330</td>
<td>57.70</td>
</tr>
<tr>
<td>NINOL® 30-LL</td>
<td>3.50</td>
</tr>
<tr>
<td>AMPHOSOL® CG</td>
<td>5.00</td>
</tr>
<tr>
<td>Versene 100 (Dow Chemical) Tetrasodium EDTA</td>
<td>0.20</td>
</tr>
<tr>
<td>Glycerin</td>
<td>0.50</td>
</tr>
<tr>
<td><strong>== Phase 2 ==</strong></td>
<td></td>
</tr>
<tr>
<td>Citric Acid 50% active</td>
<td>q.s.</td>
</tr>
<tr>
<td>Fragrance, Dye, Preservative</td>
<td>q.s.</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>q.s.</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100.0</td>
</tr>
</tbody>
</table>

**Procedure**

Add ingredients in Phase 1 and mix well until homogeneous. Adjust pH to about 5.5–6.5 with Citric Acid. Add Fragrance, Dye, and Preservative. Adjust viscosity with Sodium Chloride if necessary.

**Physical Properties**

- **Appearance**: Clear liquid
- **pH**: 5.5–6.5
- **Viscosity**
  - as is (w/o salt): 300-600 cps
  - with 0.25% NaCl: 11,000 cps
- **% Solids**: 23.5%

**Storage/ Stability**

- 6 weeks at room temperature: Stable
- 6 weeks at 40°F: Stable
- 6 weeks at 110°F: Stable
- 6 weeks at 120°F: Stable
- 3 freeze/thaw cycles: Pass
- Good flash foamer

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- 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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