### Formulation

**PREMIUM CAR WASH SHAMPOO**

**No.** 926

**Description** This premium car wash contains Amine Oxide, which will produce large amount of foam and stabilizes foam during the wash process.

**Procedure**
1. Add Deionized Water, Sodium Hydroxide, and BIO-SOFT® S-101 with mixing.
2. Adjust pH to 7.0–7.5 with additional BIO-SOFT® S-101 or Sodium Hydroxide. Allow the solution to mix and the pH to stabilize.
3. Add AMMONYX® CDO SPECIAL and mix until clear.
4. Add Preservative, Dye, and Fragrance and mix until homogeneous.

**Physical Properties**
- Appearance at 25°C: Clear, colorless liquid
- pH, as is: 7.5–9.0
- Viscosity at 25°C, cps: 2000–3000
- Density, lbs/gal: 8.59
- Solids, %: 25.0–28.0
- VOC (calculated), %: 0

**Storage/Stability**
- 1 Month at 4°C: Stable
- 1 Month at 25 °C: Stable
- 1 Month at 50°C: Stable
- Freeze/Thaw, 10 Cycles: Pass

**Instructions for Use**
Add a small amount to a bucket and add water. Mix and apply to the vehicle using a sponge. Rinse and dry the vehicle.

**External Comment**
Marketing Notes: When used at Stepan’s recommended dilution level of 1:100, this formulation is VOC-compliant with U.S. Federal and California Air Resource Board (CARB) Consumer Products regulation for non-aerosol, motor vehicle wash (0.2% VOC limit as of December 31, 2012). BIO-SOFT® S-101 is an approved ingredient on www.cleangredients.org. This formulation does not contain Nonylphenol Ethoxylates (NPEs).

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- AMMONYX®
- BIO-SOFT®

### INGREDIENTS:

<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>Diluent</td>
</tr>
<tr>
<td>Sodium Hydroxide, 50% solution</td>
<td>5.4</td>
<td>Neutralizer</td>
</tr>
<tr>
<td>BIO-SOFT® S-101</td>
<td>20.6</td>
<td>Primary Surfactant</td>
</tr>
<tr>
<td>AMMONYX® CDO SPECIAL</td>
<td>10.0</td>
<td>Secondary Surfactant</td>
</tr>
<tr>
<td>Preservative</td>
<td>q.s. Additive</td>
<td>Additive</td>
</tr>
<tr>
<td>Dye</td>
<td>q.s. Additive</td>
<td>Additive</td>
</tr>
<tr>
<td>Fragrance</td>
<td>q.s</td>
<td>Additive</td>
</tr>
</tbody>
</table>

**Total** 100.0
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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