**Formulation**

**PLASTIC AND VINYL CLEANER WITH BIO-TERGE® PAS-8S**

**No.** 992

**Description** This formulation can be used to clean plastic and vinyl surfaces in cars.

**INGREDIENTS:**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO-SOFT® N91-8</td>
<td>6.5</td>
<td>Wetting Agent</td>
</tr>
<tr>
<td>BIO-SOFT® N91-2.5</td>
<td>2.7</td>
<td>Wetting Agent</td>
</tr>
<tr>
<td>Sodium Metasilicate Pentahydrate</td>
<td>5.8</td>
<td>Builder</td>
</tr>
<tr>
<td>BIO-TERGE® PAS-8S</td>
<td>3.0</td>
<td>Hydrotrope</td>
</tr>
<tr>
<td>Deionized Water</td>
<td>q.s. to 100.0</td>
<td>Carrier</td>
</tr>
<tr>
<td>Dye</td>
<td>q.s.</td>
<td>Additive</td>
</tr>
<tr>
<td>Preservative</td>
<td>q.s.</td>
<td>Additive</td>
</tr>
</tbody>
</table>

**Total** 100.0

**Procedure**
2. Add Sodium Metasilicate Pentahydrate and mix until dissolved.
3. Add BIO-TERGE® PAS-8S and mix until clear.
4. Add Dye and Preservative, and mix until uniform.

**Physical Properties**

- Appearance at 25ºC: Clear liquid
- pH, as is: 12.0–14.0
- Viscosity at 25ºC, cps: <100
- Density, lbs/gal: 8.0
- Flash Point (PMCC), ºF: >201
- VOC (calculated), %: 0.15%

**Storage/Stability**

- 4 weeks at 4ºC: Stable
- 4 weeks at 25ºC: Stable
- 4 weeks at 50ºC: Stable
- Freeze/Thaw, 10 cycles: Pass

**Instructions for Use**

This formulation can be applied using a spray bottle. Then wipe with a cloth.

**External Comment**

Marketing Notes: When used as per Stepan's recommendation, this formulation is VOC-compliant with U.S. Federal and California Air Resource Board (CARB) Consumer Products regulation for non-aerosol, general purpose cleaner (0.5% VOC limit as of December 31, 2012). BIO-SOFT® N91-8 and BIO-TERGE® PAS-8S are approved ingredients on www.cleangredients.org. This formulation does not contain Nonylphenol Ethoxylates (NPEs).

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BIO-TERGE®

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For Additional Assistance

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

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