**Formulation**

**Name**

PLASTIC AND VINYL CLEANER

**No.**

923

**Description**

This formulation can be used for cleaning plastic and vinyl-interior surfaces of vehicles.

**Formulation**

**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 Metasilicate Pentahydrate</td>
<td>1.0</td>
<td>Builder</td>
</tr>
<tr>
<td>Dowanol DPM (Dow) PPG-2 Methyl Ether</td>
<td>0.5</td>
<td>Solvent</td>
</tr>
<tr>
<td>AMPHOSOL® CG</td>
<td>3.0</td>
<td>Surfactant</td>
</tr>
<tr>
<td>Preservative</td>
<td>q.s.</td>
<td>Additive</td>
</tr>
<tr>
<td>Dye</td>
<td>q.s.</td>
<td>Additive</td>
</tr>
</tbody>
</table>

**Total**

100.0

**Procedure**

1. Mix Deionized Water, Sodium Metasilicate Pentahydrate, AMPHOSOL® CG together until homogeneous.
2. Add Dowanol DPM and mix until homogeneous.
3. Add Dye and Preservatives. Mix until homogeneous.

**Physical Properties**

- **Appearance at 25°C:** Opaque liquid
- **pH, as is:** 12.0–13.0
- **Viscosity at 25°C, cps:** <100
- **Density, lbs/gal:** 8.37
- **Solids, %:** 1–3
- **VOC (calculated), %:** 0

**Storage/Stability**

- **Freeze/Thaw, 3 Cycles:** Stable
- **4 weeks at 50°C:** Stable
- **4 weeks at 25°C:** Stable
- **4 weeks at 4°C:** Stable

**Instructions for Use**

This formulation can be applied using a spray bottle. Once applied, wipe the surface with a cloth.

**External Comment**

Marketing Notes: When used as per Stepan's recommendations, this formulation is VOC-compliant with U.S. Federal and California Air Resource Board (CARB) Consumer Products regulation for non-aerosol, general purpose degreasers (0.5% VOC limit as of December 31, 2012). This formulation does not contain Nonylphenol Ethoxylates (NPEs).

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AMPHOSOL®

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