**SOLVENT-FREE SPRAY AND WIPE CLEANER**

**No.** 1180

**Description** This ready-to-use hard surface cleaner combines anionic and nonionic surfactants for effective cleaning of particulate, grime, and oily soils. The STEPOSOL® amides provide solvo-surfactant properties, replacing traditional solvents. For use on surfaces in kitchens, bathrooms, restaurants, hotels, or anywhere general purpose cleaning is needed.

**Formulation**

**INGREDIENTS:**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized Water</td>
<td>97.9%</td>
<td>Carrier</td>
</tr>
<tr>
<td>BIO-SOFT® D-40</td>
<td>1.0%</td>
<td>Cleansing Agent</td>
</tr>
<tr>
<td>BIO-SOFT® N91-6</td>
<td>0.4%</td>
<td>Emulsifier, Cleansing Agent</td>
</tr>
<tr>
<td>STEPOSOL® M-8-10</td>
<td>0.5%</td>
<td>Surfactant, Solvent</td>
</tr>
<tr>
<td>Sodium Citrate</td>
<td>0.2%</td>
<td>Builder</td>
</tr>
<tr>
<td>Fragrance, Preservative and Dye</td>
<td>q.s.</td>
<td>Additives</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100.0</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Procedure**

1. Charge Deionized Water.
2. With good agitation, add Sodium Citrate.
4. Continue mixing until homogenous.
5. Blend in STEPOSOL® M-8-10.
6. Add Fragrance, Preservative and Dye as needed.
7. Mix until homogenous.

**Physical Properties**

- **Appearance at 25°C:** Clear liquid
- **pH, as is:** 7.5-8.5
- **Viscosity at 25°C, cps:** Water thin

**Storage/Stability**

- **Freeze thaw, 3 cycles:** Pass
- **4 weeks at 50°C:** Stable
- **4 weeks at 25°C:** Stable
- **4 weeks at 4°C:** Stable

**Instructions for Use**

Spray on soiled surface. Wipe clean with a sponge or cloth.


**External Comment**

Marketing Notes: This formulation meets US Federal and all State VOC standards for general-purpose cleaners as of January 2019. If desired, BIO-SOFT® N1-7, MAKON® DA-6, BIO-SOFT® EC-690, BIO-SOFT® N-900 can be substituted for BIO-SOFT® N91-6 and STEPOSOL® MET-10U can also be substituted for STEPOSOL® M-8-10.

**Registered Trademarks**

- STEPOSOL®
- BIO-SOFT®
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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