**CITRUS HEAVY DUTY CLEANER**

**No.** 1147

**Description** This neutral ready-to-use cleaner has a dual surfactant package to easily remove tough household soils from a variety of surfaces. The d-Limonene cuts through greasy build-up and leaves a pleasant orange fragrance.

**Formulation**

<table>
<thead>
<tr>
<th>INGREDIENTS:</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>d-Limonene</td>
<td>0.5</td>
<td>Solvent</td>
</tr>
<tr>
<td>BIO-SOFT® N91-2.5</td>
<td>1.0</td>
<td>Emulsifier</td>
</tr>
<tr>
<td>BIO-SOFT® N91-8</td>
<td>1.0</td>
<td>Wetting Agent</td>
</tr>
<tr>
<td>STEPANOL® WA-EXTRA</td>
<td>3.3</td>
<td>Surfactant</td>
</tr>
<tr>
<td>STEPANATE® SXS</td>
<td>12.0</td>
<td>Surfactant</td>
</tr>
<tr>
<td>Deionized Water</td>
<td>82.2</td>
<td>Hydrotrope</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>q.s.</td>
<td>pH Adjuster</td>
</tr>
<tr>
<td>Preservative</td>
<td>q.s.</td>
<td>Preservative</td>
</tr>
</tbody>
</table>

**Total** 100.0

**Procedure**

2. Mix for 5 minutes.
3. With good agitation, slowly blend in STEPANOL® WA-EXTRA. Continue to mix until homogeneous.
4. Slowly blend in the Water, followed by STEPANATE® SXS.
5. Mix until homogenous.
7. Adjust pH to 6.5–7.5 with Sodium Hydroxide.

**Physical Properties**

- **Appearance**: Clear liquid
- **pH, as is**: 6.5–7.5
- **Viscosity**: Water thin
- **VOC (calculated), %**: 0.5%

**Storage/ Stability**

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

**Instructions for Use**

- Spray on soiled surface. Wipe with cloth or paper towel. Rinsing is not required.

**Cleaning Performance**: ASTM D4488-95-A5 Gardner Straightline Washability Test - 91% soil removed

**External Comment**

STEPANOL® WA-EXTRA can be replaced with STEPANOL® WA-EXTRA PCK or STEPANOL® WA-EXTRA K. This formulation is VOC compliant with US Federal and State VOC standards for General-Purpose Cleaning.
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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