**INDUSTRIAL METAL CLEANER**

**No.**

1160

**Description**

This water-soluble, heavy-duty cleaner removes tough stains, motor oil deposits, paint, and soil build-up from metal surfaces. This formulation uses a combination of solvent and surfactant that works quickly on metal surfaces. It can be used "as is" for heavy cleaning, or diluted for daily maintenance or spot removal.

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEPOSOL® SC</td>
<td>30.0</td>
<td>Solvent</td>
</tr>
<tr>
<td>STEPOSOL® M-8-10</td>
<td>30.0</td>
<td>Solvent</td>
</tr>
<tr>
<td>BIO-TERGE® PAS-8S</td>
<td>20.0</td>
<td>Hydrotrope</td>
</tr>
<tr>
<td>BIO-SOFT® EC-690</td>
<td>20.0</td>
<td>Emulsifier</td>
</tr>
</tbody>
</table>

**Procedure**

1. Combine STEPOSOL® SC and STEPOSOL® M-8-10, mixing vigorously.
2. Add BIO-TERGE® PAS-8S while mixing.
3. Add BIO-SOFT® EC-690. Mix until homogeneous.

**Physical Properties**

- **Appearance, as is:** Clear liquid
- **pH, as is:** 6.0
- **Viscosity, as is:** Water thin
- **VOC% (calculated):** 26%

**Storage/Stability**

- 4 weeks at 4°C: Stable
- 4 weeks at 25°C: Pass
- 4 weeks at 50°C: Pass
- Freeze/thaw, 4 cycle: Pass

**Instructions for Use**

Apply "as is" to surface with a wet scour sponge. Let stand 3–5 minutes. For heavier soiled surfaces, let stand 5–8 minutes. Rinse with water. For lighter cleaning, mix 4 oz:1 gallon. Let solution stand for 2–3 minutes. Wipe surface with wet scour sponge. Rinse with water.

**External Comment**

Marketing Notes: BCI = 79. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. For further information on Stepan’s BCI, visit www.stepan.com. This formulation does not meet the California Air Resource Board (CARB) VOC regulation for Consumer Products. "Consumer" is defined by CARB as any person who seeks, purchases, or acquires any consumer product for personal, family, household, or institutional use. BIO-SOFT® N91-6 may be used as a substitution for BIO-SOFT® EC-690.

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STEPOSOL®
BIO-TERGE®
BIO-SOFT®

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

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