INDUSTRIAL NON-AQUEOUS METAL CLEANER

No. 1163

Description: This ready-to-use non-aqueous industrial-strength cleaner is effective at removing grease, oily soils, and dirt from metal surfaces.

Formulation:

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEPOSOL® SC</td>
<td>50.0</td>
<td>Solvent</td>
</tr>
<tr>
<td>STEPOSOL® M-8-10</td>
<td>35.0</td>
<td>Solvent</td>
</tr>
<tr>
<td>BIO-SOFT® GSB-9</td>
<td>15.0</td>
<td>Surfactant Blend</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100.0</strong></td>
<td></td>
</tr>
</tbody>
</table>

Procedure:
1. Charge STEPOSOL® SC in mixing vessel.
2. Add STEPOSOL® M-8-10, mixing thoroughly.
4. Blend until homogeneous.

Physical Properties:
- Appearance at 25°C: Clear liquid
- Viscosity at 25°C, cps: Water thin
- VOC “as is” (calculated), %: 39.3

Storage/ Stability:
- 4 weeks at 4°C: Stable
- 4 weeks at 25°C: Pass
- 4 weeks at 50°C: Pass
- Freeze/thaw, 4 cycles: Pass

Instructions for Use:
Use as is. Apply to metal surface and let stand for 1–2 minutes. Wipe with dry sponge or cloth. No rinsing is required.

External Comment:
Marketing Notes: This formulation was also evaluated with Dowanol EB, Dowanol DPnB, and Dowanol DB as alternatives to STEPOSOL® M-8-10. If Dowanol EB or Dowanol DPnB is used as an alternative to STEPOSOL® M-8-10, it is recommended it be used at comparable weight %s as listed in the formulation above. This formulation does not contain Nonyl Phenol Ethoxylates (NPEs). Please note: This product contains STEPOSOL® M-8-10 which is currently listed on Canada’s NDSL. The pH cannot be measured for this formulation because it is a non-aqueous system.

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- BIO-SOFT®
- STEPOSOL®

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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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