### Formulation

**Name**
NON-FOAMING SPRAY AND WIPE DEGREASER

**No.**
1183

**Description**
This non-foaming, ready-to-use, low VOC degreaser easily removes heavy grimy soils with a simple spray and a quick swipe. It contains a grease-cutting, triple combination of betaine, solvent, and builder.

**Formulation**

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized Water</td>
<td>85.0</td>
<td>Diluent</td>
</tr>
<tr>
<td>BIO-TERGE® PAS-8S</td>
<td>6.0</td>
<td>Hydrotrope</td>
</tr>
<tr>
<td>AMPHOSOL® 810-B</td>
<td>5.0</td>
<td>Degreaser</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>2.0</td>
<td>Builder</td>
</tr>
<tr>
<td>Butyl Carbitol Solvent (Dow Chemical) Butoxydiglycol</td>
<td>2.0</td>
<td>Solvent</td>
</tr>
</tbody>
</table>

**Total**
100.0

**Procedure**
1. Charge Deionized Water and BIO-TERGE® PAS-8S.
2. With good agitation, slowly blend in AMPHOSOL® 810-B.
3. Add Sodium Carbonate, followed by Butyl Carbitol.
4. Mix until homogenous.

**Physical Properties**
- **Appearance at 25ºC**: Clear, colorless liquid
- **pH**, as is: 10.9
- **Viscosity at 25ºC, cps**: Water thin
- **% VOC (calculated)**: <0.3

**Storage/Stability**
- **Freeze thaw, 3 cycles**: Pass
- **1 month at 50ºC**: Stable
- **1 month at 25ºC**: Stable
- **1 month at 4ºC**: Stable

**Instructions for Use**
Spray on surface and wipe clean with paper towel or cloth.

**External Comment**
Marketing Notes: When used as recommended, 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). BIO-TERGE® PAS-8S is an approved ingredient on www.cleangredients.org. This formulation does not contain Nonylphenol Ethoxylates (NPEs). Non-foaming is defined as 0 mL measurable foam volume using Stepan’s Mechanical Shake Foam Test (SM 010-D).

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- BIO-TERGE®
- AMPHOSOL®

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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