GREEN FOAMING ALL-PURPOSE DEGREASER

No. 1184

Description
This ready-to-use cleaner contains components that are either approved on www.cleangredients.org (BIO-TERGE® PAS-8S and AMMONYX® LO) or on the U.S. EPA's Safer Chemical Ingredients List (SCIL); therefore may be suitable as a starting point for U.S. EPA's Safer Choice certification program. The AMMONYX® amine oxide provides a rich foam for cling as well as being a very effective surfactant against greasy, oily soils. The builders and solvent allows for greasy soil and soap scum penetration and softening. Green Your Clean using Stepan Ingredients!

Formulation

<table>
<thead>
<tr>
<th>INGREDIENTS:</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized Water</td>
<td>85.5</td>
<td>Carrier</td>
</tr>
<tr>
<td>BIO-TERGE® PAS-8S</td>
<td>6.0</td>
<td>Hydrotrope</td>
</tr>
<tr>
<td>AMMONYX® LO</td>
<td>4.5</td>
<td>Cleansing Agent</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>2.0</td>
<td>Builder</td>
</tr>
<tr>
<td>Butyl Carbitol™ Solvent (Dow Chemical) Diethylene Glycol</td>
<td>2.0</td>
<td>Solvent</td>
</tr>
<tr>
<td>Monobutyl Ether</td>
<td>q.s.</td>
<td>Additives</td>
</tr>
<tr>
<td>Fragrance, Preservative and Dye</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total 100.0

Procedure
1. Charge Deionized Water and BIO-TERGE® PAS-8S.
2. With good agitation, slowly blend in AMMONYX® LO.
3. Add Sodium Carbonate, followed by Butyl Carbitol™ Solvent.
4. Add Fragrance, Preservative and Dye.
5. Mix until homogenous.

Physical Properties
- Appearance at 25°C: Clear, colorless liquid
- pH, as is: 10-11
- Viscosity at 25°C, cps: Water thin
- % VOC (calculated): <0.3

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 surface and wipe clean with paper towel or cloth.

External Comment
Marketing Notes: Green refers to the use of ingredients that are considered favorable by the U.S. EPA Safer Choice standard (https://www.epa.gov/saferchoice/safer-choice-standard). U.S. EPA's Safer Chemical Ingredient List (SCIL) can be found at https://www.epa.gov/saferchoice/safer-ingredients. BIO-TERGE® PAS-8S and AMMONYX® LO are approved ingredients on www.cleangredients.org. The manufacturer is responsible for the use of other “Green” ingredients, as defined herein, including but not limited to Preservative,
Fragrance, and Dye. Use of the term "Green" on the finished product or label is at the sole risk of the finished product manufacturer, for which Stepan bears no responsibility. Label and/or trademark usage of the final product is the sole responsibility of the finished product manufacturer. Formulation is VOC compliant with U.S. Federal and all State VOC standards for Non-aerosol General Purpose Degreasers as of January 2019. This formulation does not contain nonylphenol ethoxylates (NPEs).

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BIO-TERGE®
AMMONYX®

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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