**Formulation**

**Name**

GENERAL PURPOSE DEGREASER

**No.**

1101

**Description**

This neutral dilutable degreaser is suitable for general indoor household degreasing chores for kitchen surfaces such as countertops, exhaust vents and appliances.

**Formulation**

<table>
<thead>
<tr>
<th>INGREDIENTS:</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>*** Phase 1 ***</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deionized Water</td>
<td>84.0</td>
<td>Diluent</td>
</tr>
<tr>
<td>*** Phase 2 ***</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO-SOFT® EC-690</td>
<td>1.0</td>
<td>Wetting Agent, Emulsifier</td>
</tr>
<tr>
<td>STEPANOL® WA-EXTRA K</td>
<td>1.0</td>
<td>Secondary Surfactant</td>
</tr>
<tr>
<td>Butyl Carbitol</td>
<td>4.0</td>
<td>Solvent</td>
</tr>
<tr>
<td>Dowanol PnB (Dow) Propylene Glycol n-Butyl Ether</td>
<td>4.0</td>
<td>Solvent</td>
</tr>
<tr>
<td>*** Phase 3 ***</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Citrate</td>
<td>4.0</td>
<td>Builder</td>
</tr>
<tr>
<td>Enviomet™ EDDS (Innospec) [S,S]-Ethlenediaminedisuccinic acid</td>
<td>2.0</td>
<td>Chelating Agent</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100.0</td>
<td></td>
</tr>
</tbody>
</table>

**Procedure**

1. Charge water.
2. With good agitation, slowly blend in BIO-SOFT® EC-690, STEPANOL® WA-EXTRA K*, Butyl Carbitol, and Dowanol PnB.
   (*STEPANOL® WA-PCK or STEPANOL® WA-EXTRA can be substituted for STEPANOL® WA-EXTRA K.)
3. Once clear, add Sodium Citrate and Enviomet™ EDDS.
4. Mix until homogenous.

**Physical Properties**

- **Appearance**: Clear liquid
- **pH, as is**: 7.5
- **Viscosity**: Water thin
- **% VOC, as is**: 4.0
- **% VOC at 1:24 dilution**: <0.2

**Storage/Stability**

- Freeze thaw, 3 cycles
- 1 month at 50°C: Stable
- 1 month at 25°C: Stable
- 1 month at 4°C: Stable

**Instructions for Use**

Dilute before use. Saturate sponge or cloth and wipe surface clean.

Gardner Straightline Washability Test, SM 250-0 (ASTM D4488-95-A5); 1:9 Dilution = 96% soil removed; 1:24 Dilution = 70% soil removed.

**External**
Comment

Marketing Notes: BIO-SOFT® EC-690 and STEPANOL® WA-EXTRA K are approved ingredients on www.cleangredients.org. This formulation does not contain nonylphenol ethoxylates (NPEs).

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BIO-SOFT®

STEPANOL®

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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Stepan

Stepan Company
Northfield, Illinois 60093
Telephone (847) 446-7500

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