I&I DEGREASER CONCENTRATE

1151

This I&I degreaser concentrate formulation is specially formulated with a solvent, builder, and surfactant that will cut through heavy, grimy grease and dirt. It can be easily diluted to tackle any tough cleaning job.

**Formulation** INGREDIENTS: % by Weight  Functionality

<table>
<thead>
<tr>
<th>Phase 1</th>
<th>Deionized Water</th>
<th>38.0</th>
<th>Diluent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phase 2</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>BIO-SOFT® GSB-9</td>
<td>21.0</td>
<td>Wetting Agent</td>
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<tr>
<td></td>
<td>Dowanol PnB (Dow) Propylene Glycol n-Butyl Ether</td>
<td>8.8</td>
<td>Solvent</td>
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<tr>
<td></td>
<td>Sodium Metasilicate Pentahydrate</td>
<td>3.5</td>
<td>Builder</td>
</tr>
<tr>
<td></td>
<td>BIO-TERGE® PAS-8S</td>
<td>28.7</td>
<td>Hydrotrope</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>100.0</td>
<td></td>
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</tbody>
</table>

**Procedure**
1. Charge Water.
2. With good agitation, slowly blend ingredients in the order listed above.
3. Mix until homogenous.

**Physical Properties**
- **Appearance, as is** Clear liquid
- **pH, as is** 14.0
- **pH, 1:64 (2 oz/gal) dilution** 10.0
- **Viscosity at 25ºC, cps** Water thin

**Storage/Stability**
- **Freeze thaw, 3 cycles** Pass
- **4 weeks at 25ºC** Pass
- **4 weeks at 50ºC** Pass
- **4 weeks at 4ºC** Pass

**Instructions for Use**
- For general degreasing, dilute 1:64.
- For tougher chores, dilute 1:32 or use full strength.

Test Method: ASTM D4488-95, A5, method for all-purpose/dilutable household and I&I cleaners; ASTM Book of Standards, Volume 15.04, D4488-95, Section A5.

**Dilution Results (1:64):** 76% soil removed.

**External Comment**
Marketing Notes: BIO-SOFT® GSB-9 and BIO-TERGE® PAS-8S are approved ingredients on www.cleangredients.org. For further information, visit our website or www.cleangredients.org.

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BIO-SOFT®
STEPANATE®
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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