ALL-PURPOSE DILUTABLE CLEANER

No. 1152

Description: This all-purpose dilutable cleaner is formulated for household applications. At general cleaning dilution levels, its robust surfactant combination and mild alkalinity provide quick and thorough soil removal.

Formulation:

**INGREDIENTS:**

<table>
<thead>
<tr>
<th>Phase 1</th>
<th>Phase 2</th>
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<tbody>
<tr>
<td>Deionized Water</td>
<td>78.0</td>
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</tbody>
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<tbody>
<tr>
<td>BIO-TERGE® PAS-8S</td>
<td>10.0</td>
<td>Hydrotrope</td>
</tr>
<tr>
<td>BIO-SOFT® GSB-9</td>
<td>8.0</td>
<td>Wetting Agent</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>4.0</td>
<td>Builder</td>
</tr>
</tbody>
</table>

Total 100.0

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

Physical Properties:
- **Appearance, as is:** Clear liquid
- **pH, as is:** 10.0
- **pH, 1:32 (4 oz/gal) dilution:** 9.0
- **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 cleaning, dilute 1:32.
- For tougher cleaning chores, dilute 1:16 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 (1:32): 85% soil removed.

External Comment:
Marketing Notes: BIO-TERGE® PAS-8S is an approved ingredient on www.cleangredients.org. For further information, visit www.cleangredients.org or Stepan's website. This formulation does not contain Nonylphenol Ethoxylates (NPEs).

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- BIO-SOFT®
For Additional Assistance

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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