Name | STAINLESS STEEL CLEANER AND POLISH
No. | 1322
Description | This neutral pH formulation is designed to clean and polish stainless steel in one step. It removes streaks, smudges, greasy residues and fingerprints from kitchen appliances, sinks and outdoor stainless grills. This formulation has enough viscosity to help it cling to vertical surfaces, yet it can be delivered via a trigger or pump sprayer.

<table>
<thead>
<tr>
<th>Formulation INGREDIENTS:</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized Water</td>
<td>69.0</td>
<td>Diluent</td>
</tr>
<tr>
<td>BIO-SOFT® LFS-07</td>
<td>15.0</td>
<td>Surfactant</td>
</tr>
<tr>
<td>BIO-TERGE® AS-40 HP</td>
<td>12.0</td>
<td>Surfactant</td>
</tr>
<tr>
<td>L-Lactic Acid</td>
<td>1.0</td>
<td>pH Adjuster</td>
</tr>
<tr>
<td>STEPOSOL® SB-W</td>
<td>3.0</td>
<td>Conditioning Agent</td>
</tr>
<tr>
<td>Preservative, Fragrance and Dye</td>
<td>q.s.</td>
<td>Additives</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100.0</strong></td>
<td></td>
</tr>
</tbody>
</table>

Procedure
1. Charge Deionized Water.
2. Start mixing and add BIO-SOFT® LFS-07.
3. Add BIO-TERGE® AS-40 HP.
4. Add L-Lactic Acid, monitor pH to achieve target value near pH of 7 (target range 6 to 8). Typically 1% by weight is needed.
5. Once pH is neutralized, add STEPOSOL® SB-W.
6. Lastly, add preservative, fragrance, and dye as desired.
7. Mix until homogeneous.

Physical Properties
- Appearance at 25 ºC: Clear liquid
- pH, as is: 6 - 8
- Viscosity at 25 ºC (LV2 spindle at 100 rpm), cps: 38
- VOC, as is (calculated), %: 0
- Flash Point (PMCC), ºF: >200

Storage/ Stability
- Freeze/Thaw, 3 cycles: Pass, Gentle Mixing on thawing
- 4 weeks at 50 ºC: Stable
- 4 weeks at 25ºC: Stable
- 4 weeks at 4°C: Stable

Instructions for Use
Apply to surface sparingly. Using a soft cloth wipe across the surface to clean. Finish wiping with the grain of the metal for a bright, shiny result. If used on direct food contact surfaces, rinsing is required.

External Comment
Marketing Notes: Stepan's low film/streak nonionic technology helps this formulation to provide good low film/streak on surfaces such as stainless steel without rinsing. This formulation is
compliant with all U.S. Federal and State VOC standards for general purpose cleaners as of July 2019.

BIO-SOFT®
BIO-TERGE®
STEPOSOL®

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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