**GREEN FOAMY SPRAY AND WIPE CLEANER**

**Name**
1120

**Description**
This ready-to-use hard surface cleaner contains components approved on www.cleangredients.org (STEPANOL® WA-EXTRA HP and STEPANATE® SXS) and may be suitable for EPA’s Safer Choice certification. The BIO-SOFT® nonionic surfactants provide cleaning power while the STEPANOL® anionic surfactant creates foam and tackles dirt and grime. Great for use in kitchens, bathrooms, restaurants, hotels, or anywhere light general purpose cleaning is needed. 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>93.8</td>
<td>Diluent</td>
</tr>
<tr>
<td>BIO-SOFT® EC-639</td>
<td>0.2</td>
<td>Cleansing Agent</td>
</tr>
<tr>
<td>STEPANOL® WA-EXTRA HP</td>
<td>1.0</td>
<td>Emulsifier, Cleansing Agent</td>
</tr>
<tr>
<td>STEPANATE® SXS</td>
<td>4.0</td>
<td>Hydrotrope</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>0.5</td>
<td>Solvent</td>
</tr>
<tr>
<td>Sodium Citrate</td>
<td>0.5</td>
<td>Builder</td>
</tr>
<tr>
<td>Citric Acid, anhydrous</td>
<td>q.s. to pH=8-9</td>
<td>pH Adjuster</td>
</tr>
<tr>
<td>Fragrance, Preservative and Dye</td>
<td>q.s.</td>
<td>Additives</td>
</tr>
</tbody>
</table>

**Total**
100.0

**Procedure**
1. Charge Deionized Water, STEPANATE® SXS, and Isopropyl Alcohol.
2. With good agitation, slowly blend in Sodium Citrate and STEPANOL® WA-EXTRA HP.
3. Adjust pH to between 8 and 9 with Citric Acid, anhydrous.
4. Once clear, add BIO-SOFT® EC-639.
5. Add Fragrance, Preservative and Dye as needed.
6. Mix until homogenous.

**Physical Properties**
- **Appearance at 25°C**: Clear liquid
- **pH, as is**: 8-9
- **Viscosity at 25°C, cps**: Water thin

**Storage/Stability**
- **Freeze thaw, 3 cycles**: Stable
- **4 weeks at 50°C**: Pass
- **4 weeks at 4°C**: Pass
- **4 weeks at 25°C, 1 month**: Pass

**Instructions for Use**
Spray on surface. Then wipe clean with dry paper towel or cloth.

**Filming and streaking is comparable to commercial multi-surface products in the consumer market.**

**External Comment**
BIO-SOFT® EC-690, BIO-SOFT® N1-7, BIO-SOFT® N91-6, BIO-SOFT® N-900 can be substituted for BIO-SOFT® EC-639 on an equal actives basis, if desired. All Stepan ingredients (BIO-SOFT® EC-639, STEPANATE® SXS, and STEPANOL® WA-EXTRA HP and the substitutes mentioned above are approved on www.cleangredients.org. The manufacturer is responsible for the use of other “Green” ingredients as defined herein, including but not limited to Preservation, Fragrance, and/or 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.

Registered Trademarks of Stepan Company

BIO-SOFT®
STEPANOL®
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.

The information contained herein is based on the manufacturer’s own study and the works of others and is subject to change without prior notice. The information is not intended to be all-inclusive, including as to the manner and conditions of use, handling, storage or disposal or other factors that may involve additional legal, environmental, safety or performance considerations. Nothing contained herein grants or extends a license, express or implied, in connection with any patents issued or pending of the manufacturer or others, or shall be construed as a recommendation to infringe any patents. STEPan COMPANY MAKES NO PRODUCT WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, EXPRESS OR IMPLIED, AND NO OTHER WARRANTY OR GUARANTY, EXPRESS OR IMPLIED, IS MADE, INCLUDING AS TO INFORMATION REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY, ACCURACY, COMPLETENESS, OR ADEQUACY. Stepan Company (and its employees, subsidiaries and affiliates) shall not be liable (regardless of fault) to the vendee, its employees, or any other party for any direct, indirect, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, furnishing, use, or reliance upon information provided herein. The vendee assumes and releases Stepan Company (and its employees, subsidiaries and affiliates) from all liability, whether in tort, contract or otherwise to the fullest extent possible under the relevant law.

Stepan

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

Revision Date: 04/01/2019   Publication Date: 10/02/2012   © 2019, Stepan Company. All rights reserved.