



# Formulation

Name	<b>GREEN FOAMY SPRAY AND WIPE CLEANER</b>	
No.	1120	
Description	This ready-to-use hard surface cleaner contains components approved on <a href="http://www.cleangredients.org">www.cleangredients.org</a> (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	<b>INGREDIENTS:</b>	<b>% by Weight    Functionality</b>
	Deionized Water	93.8 Diluent
	BIO-SOFT® EC-639	0.2 Cleansing Agent
	STEPANOL® WA-EXTRA HP	1.0 Emulsifier, Cleansing Agent
	STEPANATE® SXS	4.0 Hydrotrope
	Isopropyl Alcohol	0.5 Solvent
	Sodium Citrate	0.5 Builder
	Citric Acid, anhydrous	q.s. to pH=8-9    pH Adjuster
	Fragrance, Preservative and Dye	q.s. Additives
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"> <li>1. Charge Deionized Water, STEPANATE® SXS, and Isopropyl Alcohol.</li> <li>2. With good agitation, slowly blend in Sodium Citrate and STEPANOL® WA-EXTRA HP.</li> <li>3. Adjust pH to between 8 and 9 with Citric Acid, anhydrous.</li> <li>4. Once clear, add BIO-SOFT® EC-639.</li> <li>5. Add Fragrance, Preservative and Dye as needed.</li> <li>6. Mix until homogenous.</li> </ol>	
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	<p>Marketing Notes: Green refers to the use of ingredients that are considered favorable by the U.S. EPA Safer Choice standard (<a href="https://www.epa.gov/saferchoice/safer-choice-standard">https://www.epa.gov/saferchoice/safer-choice-standard</a>). U.S. EPA's Safer Chemical Ingredient List (SCIL) can be found at <a href="https://www.epa.gov/saferchoice/safer-ingredients">https://www.epa.gov/saferchoice/safer-ingredients</a>. Formulation is VOC compliant with U.S. Federal and all State VOC standards for general-purpose cleaners as of January 2019.</p>	

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](http://www.cleangredients.org). The manufacturer is responsible for the use of other "Green" ingredients as defined herein, including but not limited to Preservative, 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.

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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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