



# Formulation

Name	<b>GREEN SPRAY AND WIPE HARD SURFACE CLEANER</b>	
No.	1091	
Description	This ready-to-use formulation contains components approved on <a href="http://www.cleangredients.org">www.cleangredients.org</a> and may be suitable as a starting place for the U.S. EPA's Safer Choice certification program. The BIO-SOFT® nonionic surfactants provide cleansing power against oily soils. Great for use in kitchen, bathrooms, restaurants, hotels, or anywhere light general purpose cleaning is needed. Green Your Clean using Stepan Ingredients!	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u> <u>Functionality</u>
	Water	96.2 Carrier
	BIO-TERGE® PAS-8S	1.0 Hydrotrope
	BIO-SOFT® EC-639	1.9 Cleansing Agent
	Sodium Citrate	0.8 Builder
	Sodium Hydroxide, 50% Solution	q.s. to pH Adjuster
	Fragrance, Preservative and Dye	pH=10-11 Additives
		q.s.
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"> <li>1. Charge Water and BIO-TERGE® PAS-8S.</li> <li>2. With agitation, blend in BIO-SOFT® EC-639.</li> <li>3. Continue mixing and slowly add Sodium Hydroxide, 50% Solution until pH is between 10 and 11.</li> <li>4. Add Sodium Citrate.</li> <li>5. Add Frangrance, Preservative and Dye as needed and blend until homogenous.</li> </ol>	
Physical Properties	Appearance at 25°C	Clear colorless liquid
	pH, as is	10–11
	Viscosity at 25°C, cps	15
Storage/Stability	Freeze/thaw, 3 cycles	Pass
	1 month at 50°C	Stable
	1 month at 5°C	Stable
	1 month at 25°C	Stable
Instructions for Use	Spray on surface. Wipe with clean cloth.	
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 Volatile Organic Compound (VOC) compliant with U.S. Federal and all State VOC standards for general-purpose cleaning as of January 2019 (excluding additives). BIO-SOFT® EC-690, BIO-SOFT® N91-6, BIO-SOFT® N1-7, BIO-SOFT® N-900 can be substituted for BIO-SOFT® EC-639 on an equal actives basis, if desired. All Stepan ingredients (BIO-TERGE® PAS-8S and BIO-SOFT® EC-639 and the substitutes mentioned above) are approved on <a href="http://www.cleangredients.org">www.cleangredients.org</a>. The manufacturer is</p>	

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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