



# Formulation

Name	<b>HIGH-FOAMING GLASS AND WINDOW CLEANER</b>	
No.	1128	
Description	This environment-friendly, ready-to-use cleaner may be suitable for Safer Choice certification, containing Stepan surfactants that are approved on <a href="http://www.cleangredients.org">www.cleangredients.org</a> (AMMONYX® LO and BIO-TERGE® PAS-8S) and a solvent that is listed on the U.S. EPA's Safer Chemical Ingredient List (SCIL). Using an AMMONYX® amine oxide creates rich, clingy foam when paired with a foam trigger nozzle. The specialty anionic surfactant, BIO-TERGE® PAS-8S, improves the final appearance with reduced filming and streaking on glass. Green Your Clean using Stepan ingredients!	
Formulation	<b>INGREDIENTS:</b>	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	96.38 Diluent
	AMMONYX® LO Special or AMMONYX® LO	0.70 Foaming and Cleansing Agent
	BIO-TERGE® PAS-8S	2.00 Hydrotrope, Cleansing Agent
	Isopropanol	0.92 Solvent, Cleansing Agent
	Fragrance, Preservative, and Dye	q.s. Additives
	<b>Total</b>	<b>100.00</b>
Procedure	<ol style="list-style-type: none"> <li>1. Charge Water.</li> <li>2. Blend in BIO-TERGE® PAS-8S, AMMONYX® LO Special and Isopropanol.</li> <li>3. Add Fragrance, Preservative, and Dye as needed.</li> <li>4. Mix until homogenous.</li> </ol>	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	5-6
	Viscosity at 25°C, cps	Water thin
Storage/Stability	Freeze/thaw, 3 cycles	Pass
	4 weeks at 50°C	Stable
	4 weeks at 25°C	Stable
	4 weeks at 4°C	Stable
Instructions for Use	Spray on glass, window, or mirror. Then wipe clean with paper towel or cloth.	
	Stepan Method 250-A, "Hard Surface Cleaner: Filming/Streaking Evaluation." This formulation outperforms leading commercial products in filming/streaking properties.	
External Comment	<p>Marketing Notes: This formulation meets U.S. Federal and all State Volatile Organic Compounds (VOC) standards for Non-aerosol Glass Cleaners of January 2019 (excluding additives). BIO-TERGE® PAS-8S and AMMONYX® LO are approved ingredients on <a href="http://www.cleangredients.org">www.cleangredients.org</a>. "Environment-friendly" and "Green" refer 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>. Label and/or trademark usage of the final</p>	

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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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