



# Formulation

Name	<b>FAST WETTING GLASS AND WINDOW CLEANER</b>															
No.	1092															
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> (BIO-SOFT® N1-7 and BIO-TERGE® PAS-8S) and a solvent that is listed on the U.S. EPA's Safer Chemical Ingredient List (SCIL). The nonionic surfactant used, BIO-SOFT® N1-7, allows the cleaner to wet and spread over surfaces quickly and efficiently, while the specialty anionic surfactant, BIO-TERGE® PAS-8S, improves the final appearance with reduced filming and streaking on glass. See Stepan Company's Formulation # 1110 for a concentrated version of this Formulation. Green Your Clean using Stepan ingredients!															
Formulation	<b>INGREDIENTS:</b> Deionized Water BIO-SOFT® N1-7 BIO-TERGE® PAS-8S Isopropanol Fragrance, Preservative, and Dye	<table border="1"> <thead> <tr> <th><u>% by Weight</u></th> <th><u>Functionality</u></th> </tr> </thead> <tbody> <tr> <td>96.88</td> <td>Diluent</td> </tr> <tr> <td>0.20</td> <td>Wetting Agent, Cleansing Agent</td> </tr> <tr> <td>2.00</td> <td>Hydrotrope, Cleansing Agent</td> </tr> <tr> <td>0.92</td> <td>Solvent, Cleansing Agent</td> </tr> <tr> <td>q.s.</td> <td>Additives</td> </tr> <tr> <td><b>Total</b></td> <td><b>100.00</b></td> </tr> </tbody> </table>	<u>% by Weight</u>	<u>Functionality</u>	96.88	Diluent	0.20	Wetting Agent, Cleansing Agent	2.00	Hydrotrope, Cleansing Agent	0.92	Solvent, Cleansing Agent	q.s.	Additives	<b>Total</b>	<b>100.00</b>
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Procedure	1. Charge Deionized Water and BIO-TERGE® PAS-8S. 2. With good agitation, slowly blend in BIO-SOFT® N1-7. 3. Add Isopropanol. 4. Add Fragrance, Preservative, and Dye as needed. 5. Mix until homogenous.															
Physical Properties	Appearance at 25°C pH, as is Viscosity at 25°C, cps	Clear liquid 5-6 Water thin														
Storage/Stability	Freeze thaw, 3 cycles 1 month at 50°C 1 month at 25°C 1 month at 5°C	Pass Stable Stable Stable														
Instructions for Use	Spray on mirror or glass surface and wipe clean with paper towel or cloth.  Stepan Method SM250-A, "Hard Surface Cleaner Filming/Streaking Evaluation;" Result: Performance is comparable to the leading commercial brand.															
External Comment	Marketing Notes: This formulation meets U.S. Federal and all State Volatile Organic Compounds (VOC) standards for Non-aerosol Glass Cleaners as of January 2019 (excluding additives). BIO-SOFT® N1-7 and BIO-TERGE® PAS-8S are approved ingredients on <a href="http://www.cleangredients.org">www.cleangredients.org</a> . It also does not contain Nonylphenol Ethoxylates (NPEs). "Environment-friendly" and "Green" refer to the use of ingredients that are considered favorable by the U.S. EPA															

Safer Choice standard (<https://www.epa.gov/saferchoice/safer-choice-standard>). U.S. EPA's Safer Chemical Ingredient List (SCIL) can be found at <https://www.epa.gov/saferchoice/safer-ingredients>. Label and/or trademark usage of the final product is the sole responsibility of the finished product manufacturer, for which Stepan bears no responsibility

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Company

BIO-SOFT®  
BIO-TERGE®

For  
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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