FAST WETTING GLASS AND WINDOW CLEANER

Name No. Description
1092 This environment-friendly, ready-to-use cleaner may be suitable for Safer Choice certification, containing Stepan surfactants that are approved on www.cleangredients.org (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 INGREDIENTS: % by Weight Functionality
Deionized Water 96.88 Diluent
BIO-SOFT® N1-7 0.20 Wetting Agent, Cleansing Agent
BIO-TERGE® PAS-8S 2.00 Hydrotrope, Cleansing Agent
Isopropanol 0.92 Solvent, Cleansing Agent
Fragrance, Preservative, and Dye q.s. Additives

Total 100.00

Procedure
1. Charge Deionized Water and BIO-TERGE® PAS-8S.
3. Add Isopropanol.
4. Add Fragrance, Preservative, and Dye as needed.
5. Mix until homogenous.

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
1 month at 50°C Stable
1 month at 25°C Stable
1 month at 5°C 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 www.cleangredients.org. 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.

BIO-SOFT®
BIO-TERGE®

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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