



**BIORENEWABLES®**

glass cleaner

BioRenewables® Glass Cleaner is a bio-based product formulated to clean mirrors, glass, and plexiglass surfaces. BioRenewables Glass Cleaner incorporates a state-of-the-art surfactant system offering excellent surfactant/wetting agents with emulsification abilities through the use of more readily biodegradable alternative surfactant chemistries. BioRenewables Glass Cleaner is light blue in color and has a clean, crisp waterfall fragrance.



Providing Quality Maintenance and Chemical Specialty Solutions with Unparalleled Customer Service



Spartan Chemical Company, Inc.  
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www.spartanchemical.com

#### VERSATILE AND EASY TO USE:

BioRenewables Glass Cleaner may be used to clean and polish any hard surface not harmed by water such as: window glass, panes and sills; mirrors, countertops, chrome, automobile glass, fluorescent lights and tubing, and any other glass or mirror finish. BioRenewables Glass Cleaner removes tough soils such as: grease, smoke, oils, tape residue, food stains, dust, and dirt. Once diluted, BioRenewables Glass Cleaner is easy to use; simply spray on and wipe off.

#### GREEN SEAL™ CERTIFIED:

This product meets Green Seal™ Standard GS-37 based on effective performance, concentrated volume, minimized/recycled packaging and protective limits on VOCs and human & environmental toxicity. GreenSeal.org.

#### BIO-BASED FORMULA SEAL:

BioRenewables Glass Cleaner is certified by a third party to contain 84% bio-based material. The testing was performed by an outside, USDA approved, laboratory to insure the bio-based content. The bio-based seal, found on product labels and literature, allows end users to easily identify the bio-based content in each BioRenewables product. This seal guarantees the percentage of ingredients that are made from renewable resources.



#### DIRECTIONS FOR USE:

Some individuals may be sensitive to ingredients in this product. Before use, read product label and Safety Data Sheet.

#### DO NOT MIX WITH OTHER CHEMICALS.



Distributed by:

#### 2-LITER CARTRIDGE: GENERAL GLASS AND HARD SURFACE CLEANING:

Fill spray bottle from a Clean on the Go Dispenser. Spray surface and wipe dry with a clean, lint-free cloth or paper towel. Turn cloth or towel frequently, always using the clean side of the towel.

**Large Areas:** Fill bucket from a Clean on the Go Dispenser. Apply with a window brush or other glass cleaner applicator. Squeegee dry.

#### STANDARD PACKAGING: GENERAL GLASS AND HARD SURFACE CLEANING:

Dilute BioRenewables Glass Cleaner at 1:64 [2 oz. per gallon] or [15 mL per liter] of water. Use a BioRenewables Glass Cleaner spray bottle for dispensing. Hold the bottle 8 to 10 inches away from surface. Spray in an even pattern. Wipe dry with a clean, lint-free cloth or paper towel. Turn cloth or towel frequently so clean side is always in use.

**Large Areas:** Fill bucket and dilute at 1:64 [2 oz. per gallon] or [15 mL per liter] of water. Apply with a window brush or other glass cleaner applicator. Squeegee dry.

**NOTE:** Cold water is recommended for dilution.  
**DO NOT USE ON WOOD FURNITURE OR OTHER POLISHED SURFACES.**

**CAUTION:** Undiluted product causes eye irritation. May cause skin irritation. May be harmful if swallowed. Inhalation of product may cause respiratory irritation.

**NOTE:** Unused product is not considered to be a hazardous waste by 40 CFR 261.20-24. Dispose of unused product by rinsing with water into sanitary sewer if allowed by local regulations or other appropriate methods. Contact local waste water authorities or EPA office for guidance. Do not contaminate surface waters or storm sewers by disposal. Undiluted product may damage some surfaces.

**Be sure to read all Directions, Precautionary and First Aid Statements on product labels before use of this or any Spartan product. If questions remain, consult your employer or a physician. Safety Data Sheets for all Spartan products are available from your authorized Spartan distributor or by visiting [www.spartanchemical.com](http://www.spartanchemical.com).**

#### SPECIFICATION DATA:

Specific Gravity – 1.01 @ 24°C/75°F

Density – 8.39 lbs./gal.

Viscosity – Water thin

pH – 7.5 - 8.5

Flash Point – None

Stability –

a. Shelf – One year minimum @ 24°C/75°F

b. Accelerated – 30 days minimum

@ 49°C/120°F

c. Freeze/Thaw – Can withstand three freeze/thaw cycles

Phosphate free

Biodegradable

#### PACKAGING

383560	275-gallon tote
383555	55-gallon drum
383530	30-gallon drum
383515	15-gallon drum
383505	5-gallon pail
383504	1-gallon (4 per case)
483502	2-liter (4 per case)
383522	2-liter Simplifill® (2 per case)



**GUARANTEE:** Spartan's modern manufacturing and laboratory control insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of date of manufacture.

Improper use or dilution may decrease performance or increase the risk of adverse health effects.

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