



**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.  
1110 Spartan Drive  
Maumee, OH 43537  
1-800-537-8990  
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.

#### SAFER TO USE:

BioRenewables Glass Cleaner is non-flammable and compliant with the accepted levels of Volatile Organic Compounds (VOCs). The formula is fragranced with a clean, crisp waterfall scent and is light blue in color.

#### BIO-BASED FORMULA SEAL:

BioRenewables Glass Cleaner is certified by a third party to contain 81% 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 Material Safety Data Sheet.

#### DO NOT MIX WITH OTHER CHEMICALS.

#### 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. Material 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 –

- Shelf – One year minimum @ 24°C/75°F
- Accelerated – 30 days minimum @ 49°C/120°F
- 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-liters (4 per case)



This product meets the Green Seal™ standard for industrial and institutional cleaners based on its reduced human and environmental toxicity and reduced volatile organic compound content.

Label copy is provided in English, Spanish, and French. Secondary labels are also available.

**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.



Product available worldwide. For institutional and industrial use only.

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**ISSA** MEMBER  
The Experts  
on Cleaning and Maintenance

Distributed by:

# HDi

1890 Chrysler Dr.  
Belvidere, IL 61008  
815-547-3737  
sales@2hdi.com  
www.HDi3.com



**BIORENEWABLES**

## Restroom Cleaner

BioRenewables Restroom Cleaner is a biobased product designed to clean toilets, urinals, and shower rooms. This restroom cleaner features a cool citrus floral fragrance and a blue color.



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#### AN ALL-IN-ONE PRODUCT:

BioRenewables Restroom Cleaner is a ready-to-use product that addresses the cleaning and maintenance needs of busy, high traffic restrooms. BioRenewables Restroom Cleaner cleans easily with no mixing, no waste and no chemical spills. Minimal custodial training time is all that is needed. BioRenewables Restroom Cleaner is an economical choice because of its ease of use and multiple tasks it can handle.

#### EFFECTIVE CLEANING WITH CITRIC ACID:

BioRenewables Restroom Cleaner contains 8% citric acid, derived from a renewable resource. Citric acid provides efficient cleaning action that quickly removes soap scum, water spots and light rust from toilet bowls, urinals and similar hard, non-porous bathroom surfaces.

#### WHY BIO-BASED?

There have been several Government initiatives over the past five years to increase our support of the agricultural industry and reduce our nation's dependency on foreign petroleum resources. The Farm Security and Rural Investment Act (FSRIA) addresses biobased products and defines them as a commercial or industrial product that is composed, in whole or significant part, of biological products or renewable domestic agricultural materials or forestry materials. Therefore, industrial products, such as surfactants and solvents are now being produced from renewable plant resources, which are typically biodegradable, friendlier to

the environment and supportive of the agricultural industry. The federal government has mandated, through the FSRIA, that federal agencies purchase biobased products whenever possible.

#### BIO-BASED FORMULA SEAL:

BioRenewables Restroom Cleaner is certified by a third party to contain 83% biobased material. The testing was performed by an outside, USDA approved, laboratory to insure the biobased content. The biobased seal, found on product labels and literature, allows end users to easily identify the biobased 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 Material Safety Data Sheet.

**Toilet Bowls and Urinals:** Apply 1-2 oz. evenly onto surface to be cleaned. Swab entire surface area especially under the rim where water outlets are located. Flush toilet several times and rinse applicator thoroughly.

**Shower Rooms (Floors, Walls) Porcelain, Ceramic, Fiberglass and Similar Hard, Non-porous Surfaces:** Apply evenly onto surface to be cleaned. Use a coarse spray. DO NOT MIST. Agitate lightly with sponge, brush or swab mop. Extremely heavy soils may require extended contact time. Rinse thoroughly.

#### General, Light Duty Restroom Cleaning:

Dilute 1:10 (12 oz./gal. of water) for general purpose cleaning of hard non-porous bathroom surfaces.

**NOTE:** DO NOT USE ON NON-ACID RESISTANT SURFACES. THIS PRODUCT WILL ETCH OR OTHERWISE DAMAGE MARBLE AND OTHER NON-ACID RESISTANT SURFACES. DO NOT MIX WITH BLEACH, CHLORINATED DETERGENTS OR OTHER CHEMICALS AS TOXIC OR IRRITATING FUMES MAY BE RELEASED.

**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. Material 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:

Viscosity – Water thin  
pH – 1.5 - 2.5  
Color – Blue  
Scent – Cool Citrus Floral Fragrance  
Stability –  
a. Shelf – One year minimum @ 24°C/75°F  
b. Accelerated – 3 months @ 38°C/100°F  
c. Freeze/Thaw – Can withstand three freeze/thaw cycles



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#### PACKAGING

353003	1-quart (12 per case)
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Label copy is provided in English, Spanish, and French. Secondary labels are also available.

**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 the date of manufacture. Use product as directed and read all precautionary statements.



Product available worldwide. For institutional and industrial use only.

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**CLEAN by**  
**Peroxy**<sup>®</sup>

**all purpose hydrogen peroxide cleaner**

Clean by Peroxy is a Green Seal™ Certified all-purpose cleaner that is formulated with the cleaning power of peroxide. One product does it all! Clean windows, mirrors, floors, walls, carpets, restrooms, kitchens, tile and grout without streaking. With Clean by Peroxy, you can minimize the number of products in your cleaning program; simplifying training and inventory management.



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#### ALL YOU NEED:

Pale blue in color, with a fresh spring rain fragrance, Clean by Peroxy is pleasant to use. It tackles most soils and can be characterized as an all-you-need, all-purpose cleaner. Clean by Peroxy has been created from specially selected surfactants and blended with hydrogen peroxide. This combination provides unprecedented cleaning action to most surfaces and surface soils. Clean by Peroxy will even tackle grease and grime found in grout and on glazed ceramic tile!

#### ONE PRODUCT SIMPLICITY:

Clean by Peroxy is a unique product that will effectively clean windows, mirrors, floors, walls, carpets, restrooms, kitchens, tile and grout without streaking. By stocking Clean by Peroxy in your inventory, you minimize SKUs, inventory surplus, and employee training. Having one product to choose from will reduce accidental product mix-ups.

#### ENVIRONMENTALLY PREFERABLE:

Clean by Peroxy is non-combustible and it does not contribute to the production of photochemical smog, tropospheric ozone or poor indoor air quality. Clean by Peroxy will not contribute to eutrophication.

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#### DIRECTIONS FOR USE:

Always pretest for colorfastness in an inconspicuous area before use. Do not use on marble and other acid sensitive surfaces. Do not use with metal drum or pail pumps.

**Glass Cleaner:** Dilute at 1:128 (1 oz./gal.) for everyday glass and mirror cleaning. Spray surface and wipe with a lint-free cloth.

**Light-Duty Cleaning:** Dilute at 1:64 (2 oz./gal.) for everyday light-duty cleaning. Spray surface and wipe with sponge, brush, mop or other cleaning cloth.

**Medium-Duty Cleaning:** Dilute at 1:32 (4 oz./gal.). Spray surface and wipe with sponge, brush, mop or other cleaning cloth.

**Heavy-Duty Cleaning and Degreasing:** Dilute at 1:10 (12 oz./gal.). Spray surface and wipe with sponge, brush, mop or other cleaning cloth.

**For Daily Damp Mopping:** Dilute 1:128 (1 oz./gal.). Fill bucket. Mop with Clean by Peroxy. Pick up the soil and excess cleaner with a clean mop. Rinse mops frequently and change solution as needed.

**Carpet Extraction:** Dilute at 1:64 (2 oz./gal.). Fill extraction equipment. Extract carpet.

**Note:** Cold water is recommended for dilution.



#### SPECIFICATION DATA:

Specific Gravity – 1.014  
Density – 8.45 lbs./gallon  
pH Concentrate – 2.0 - 3.0  
Flash Point – none

#### Stability

- a. Shelf @ 24°C/75°F – One year minimum
- b. Accelerated @ 49°C/120°F – 30 days minimum
- c. Freeze/Thaw – Stable. Withstands 3 freeze/thaw cycles.
- d. Miscibility – Complete in all proportions in both hot and cold water.

Phosphate Free, Biodegradable

#### PACKAGING

003560	275-gallon totes
003555	55-gallon drum
003530	30-gallon drum
003515	15-gallon drum
003505	5-gallon pail
003504	1-gallon (4 per case)
482002	2-liters (4 per case)



Label copy is provided in English and Spanish. Secondary labels are also available.

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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.



WOOLSAFE approved maintenance products for wool and wool-rich products.



Certified Kosher

For institutional and industrial use only.  
Improper use or dilution may decrease performance or increase the risk of adverse health effects.

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