Be sure to read all Directions, Precautionary and First Aid Statements on product labels before use of these or any Spartan product. Material Safety Data Sheets for all Spartan products are available from your authorized Spartan Distributor or by visiting www.spartanchemical.com.

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.

For Institutional and Industrial Use Only

Spartan Chemical Company, Inc.
1110 Spartan Drive, Maumee, Ohio 43537
1-800-537-8990
www.spartanchemical.com
www.bio-renewable.com
Sustainable Products
for a Sustainable Future

MISSION STATEMENT: TO PROVIDE A LINE OF BIOBASED PRODUCTS THAT PROMOTE OUR RENEWABLE RESOURCES AND CONTRIBUTE TO ENVIRONMENTAL IMPROVEMENT

What are Biobased Products?
According to the Farm Security and Rural Investment Act (FSRIA) of 2002, a biobased product is a product determined by the US Secretary of Agriculture to be a commercial or industrial product (other than food or feed) that is composed, in whole or in significant part, of biological products or renewable domestic agricultural materials (including plant, animal, marine materials) or forestry materials. In general, a biobased product is formulated with products from renewable plant and animal resources. Biobased products are thought to be excellent alternatives to products made from petroleum because they:

- are derived from renewable resources,
- reduce fossil fuel use,
- help to reduce dependency on foreign energy,
- are generally better for the environment to produce and use.

Certified Biobased Content
All of Spartan’s BioRenewables products are certified by a third party to contain biobased material. Due to the vast array of biobased ingredients, Spartan created this seal to easily identify the portion of each product made from renewable resources.

What is Spartan doing to develop Biobased Products?
The biobased market is being driven by several laws, policies, and standards established by the Federal Government. Many states and local governments are also adopting similar standards. The use of renewable technology is gaining momentum in the commercial market as users learn that renewable technologies perform as well as petroleum-based (non-renewable) counterparts. The key Federal policies are summarized below.

- Early legislation and executive orders including FSRIA and Executive Order 13101 have been strengthened and replaced by Section 8002 of the Food, Conservation and Energy Act of 2008 and Executive Order 13423. Strengthening Federal Environmental, Energy, and Transportation Management. These policies define what a biobased product is and require Federal agencies to purchase biobased products unless there is a price, performance or availability reason not to.

What are the Benefits of Choosing Biobased Products?
BioRenewables are made with ingredients that are derived from domestic agricultural and forestry materials. Whether it’s a soy based solvent, vegetable derived detergent or cleaning agent made from coconut oil, each ingredient comes from a renewable resource. This means that the raw components Spartan is using are constantly being grown, produced and manufactured into solvents, detergents, etc. These renewable items provide materials that are incorporated into products that are generally recognized as safer than their petroleum-based counterparts. The scope of biobased product applications is constantly growing, with more areas being defined and realized all the time. With several different products, Spartan offers solutions to a wide-array of both complex and simple cleaning needs. These products can be used in any public or private facility in place of petroleum-based products. Their performance parallels or exceeds their petroleum based counterparts, while offering the benefits biobased products exhibit.

Why is Spartan Multi Purpose Cleaner considered biobased?
Spartan Multi Purpose Cleaner is a 72% biobased product formulated to clean a multitude of soils on a variety of surfaces. With three main biobased materials, Spartan Multi Purpose Cleaner is a non-VOC, less toxic, biodegradable product. The three main surfactant ingredients were derived from corn, coconut, and palm kernel, each supporting a different area of agriculture. This multi-purpose cleaner is golden yellow in color and has a natural citrus fragrance.

Flexible
Spartan can be used to clean a variety of soils found on many surface types. This multi-purpose cleaner works on glass, mirrors, floors, walls, restroom and kitchen surfaces, and tile: almost any surface not harmed by water. This product was formulated to handle everyday cleaning tasks, as well as heavier-duty challenges. Apply with a mop, brush, pressure washer, autoscrubber or use a spray and wipe application.

DIRECTIONS FOR USE:

Note: Cold water recommended for dilution.

Dispensing from the

Clean on the Go 2-Liter System:

For heavier soils, a higher concentrate of product may be required. Use additional metering tips provided with dispenser to obtain the desired concentration. Cold water is recommended for dilution.

Light-Duty Cleaning

Dilute at 1:64 (0.2 oz. per gal.) for everyday light-duty cleaning. Spray surface and wipe with sponge, mop or other cleaning cloth.

Glass Cleaning

Dilute at 1:112 (1 oz. per gal.) for glass cleaning. Spray surface and wipe dry with a clean cloth or paper towel. Turn cloth frequently so clean side is always in use.

Medium-Duty Cleaning/Degreasing

Dilute at 1:32 (4 oz. per gal.) for surface cleaning. Spray surface and wipe with sponge, mop or other cleaning cloth.

Heavy-Duty Cleaning/Degreasing

Dilute at 1:16 (8 oz. per gal.) for spray surface and wipe with sponge, mop, or other cleaning cloth.

Floor Cleaning Using Mop and Bucket/Autoscrubber

For daily damp mopping, dilute 1:128 to 1:32 (1 oz. to 4 oz. per gal.) or (8 ml to 31 ml per liter). Fill bucket or auto scrubber. Mop and/or scrub with autoscrubber with Spartan Multi Purpose Cleaner. Pick up soil and excess cleaner with clean mop. Rinse mop frequently and change solution as needed.

SPECIFICATION DATA:

- Specific Gravity — 1.005 ± 24°C/75°F Density — 8.36 lbs./gal.
- pH — 8.0-9.0
- Flash Point — None
- Color — Golden yellow
- Stability:
  a. Shelf @ 24°C/75°F — One year
  b. Accelerated @ 49°C/120°F — 30 days
- Freezing/Thaw — Will withstand 3 cycles

- Prophosphate free
- Biodegradable
- VOC Compliant

PACKAGING:
Spartan Multi Purpose Cleaner is packaged in HDPE (High Density Polyethylene) 55, 30 and 15-gallon Polyethylene) 55, 30 and 15-gallon Polyethylene) dispensers and C-Cell 100-ounce (3 liter) dispensers. Ready-to-use solution labels are available.

BIO BASED CONTENT

This product meets the Green Seal™ Standard for Biobased and Mailing Solutions. It is derived from renewable feedstocks and reduced volatile organic compounds.

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Flexible
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DIRECTIONS FOR USE:

Note: Cold water recommended for dilution.

Dispensing from the

Clean on the Go 2-Liter System:

For heavier soils, a higher concentrate of product may be required. Use additional metering tips provided with dispenser to obtain the desired concentration. Cold water is recommended for dilution.

Light-Duty Cleaning

Dilute at 1:64 (0.2 oz. per gal.) for everyday light-duty cleaning. Spray surface and wipe with sponge, mop or other cleaning cloth.

Glass Cleaning

Dilute at 1:112 (1 oz. per gal.) for glass cleaning. Spray surface and wipe dry with a clean cloth or paper towel. Turn cloth frequently so clean side is always in use.

Medium-Duty Cleaning/Degreasing

Dilute at 1:32 (4 oz. per gal.) for surface cleaning. Spray surface and wipe with sponge, mop or other cleaning cloth.

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- pH — 8.0-9.0
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  a. Shelf @ 24°C/75°F — One year
  b. Accelerated @ 49°C/120°F — 30 days
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Spartan Multi Purpose Cleaner is packaged in HDPE (High Density Polyethylene) 55, 30 and 15-gallon Polyethylene) dispensers and C-Cell 100-ounce (3 liter) dispensers. Ready-to-use solution labels are available.

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GLASS CLEANER
BioRenewables Glass Cleaner is an 81% biobased product designed to clean mirrors, glass, and plexiglass surfaces. BioRenewables Glass Cleaner incorporates a state-of-the-art surfactant system offering excellent wetting agents with emulsification abilities through the use of more readily renewable resource surfactant chemistries.

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, counters, chrome, automobiles, 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 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 fragrance.

DIRECTIONS FOR USE: General Glass and Hard Surface Cleaning
Dilute BioRenewables Glass Cleaner at 1:64 (2 oz. per gallon). BioRenewables Glass Cleaner spray bottle is designed for handheld sprayers. Hold 8 to 10 inches away from surface. Spray in an even pattern. Wipe dry with a clean, lint-free cloth or paper towel. Twist cloth or towel frequently, always using the clean side of the towel.

Large Areas
Fill bucket from a Clean on the Go Dispenser with 1:64 (2 oz. per gallon) BioRenewables Glass Cleaner. Apply with a window brush or cloth. Difficult marks may require extended contact time. Rinse thoroughly.

NOTE: For energy savings, cold water is recommended for dilution. DO NOT USE ON WOOD FURNITURE OR OTHER POLISHED SURFACES.

SPECIFICATION DATA:
Specific Gravity — 1.01 @ 24°C/75°F
Density — 8.39 lb/gal
Viscosity — Water thin pH — 7.6 – 8.5 Solvents — None Flash Point — None Stability:

BioRenewables Glass Cleaner is an 83% biobased product designed to clean toilets, urinals, and shower rooms. 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 etches from porcelain, urinals and similar, non-porous bathroom surfaces. This restroom cleaner features a cool citrus floral fragrance and a blue color.

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 the multiple tasks it can handle.

DIRECTIONS FOR USE: 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 sprayer. DO NOT MIST. Agitate lightly with sponge, brush or swab mop. Extremely heavy soils may require extended contact time. Rinse thoroughly.

DILUTE: Apply BioRenewables Restroom Cleaner in a 1:10 (12 oz. per gal. of water) concentration for general, light-duty restroom cleaning.

BioRenewables Restroom Cleaner RTU Handi Spray®
BioRenewables Glass Cleaner RTU Handi Spray is a ready-to-use, biobased product designed to clean mirrors, glass, and Flexiglass® surfaces. BioRenewables Glass Cleaner RTU Handi Spray incorporates a state-of-the-art surfactant system offering excellent wetting agents with emulsification abilities through the use of more readily renewable resource surfactant chemistries. BioRenewables Glass Cleaner RTU Handi Spray is light blue in color and has a crisp, clear waterfall fragrance.

BioRenewables Glass Cleaner RTU Handi Spray is a ready-to-use, biobased product designed to clean mirrors, glass, and Flexiglass® surfaces. BioRenewables Glass Cleaner RTU Handi Spray incorporates a state-of-the-art surfactant system offering excellent wetting agents with emulsification abilities through the use of more readily renewable resource surfactant chemistries. BioRenewables Glass Cleaner RTU Handi Spray is light blue in color and has a crisp, clear waterfall fragrance.

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BioRenewables Industrial Degreaser

BioRenewables Industrial Degreaser is a water-rinsable, industrial strength degreaser designed to be used in concentrated form. Formulated with new soybean oil technology and boosted with d-limonene, this degreaser tackles the toughest tasks. BioRenewables Industrial Degreaser's formula contains 53% biobased materials, maintaining its degreasing strength while utilizing renewable resources. A user-friendly product with a translucent pale yellow color and a pleasant hint of orange fragrance.

100% Active

All of BioRenewables Industrial Degreaser's ingredients are active parts of its cleaning and degreasing ability. Void of any inactive ingredients. BioRenewables Industrial Degreaser works in many medium to heavy-duty cleaning tasks.

BioRenewables Industrial Degreaser Will Effectively Remove:
- Grease
- Dirt
- Cosmoline
- Tar
- Sunscreen
- Grease
- Paint
- Ink
- Tar
- Grease

Safe To Use On:
- Ferrous and Non-ferrous Metal
- Concrete
- Cosmoline
- Bricks
- Tar
- Many Inks
- Most Adhesives
- Industrial Oil

DIRECTIONS FOR USE:

General Cleaning and Degreasing
Spray, brush, sponge or mop BioRenewables Industrial Degreaser on the soiled surface. Allow sufficient contact time to insure solvent penetration; extreme build-up may require more penetration time or a second application. Rinse with hose, pressure washer or steam equipment. Use a brush in the absence of pressure equipment. Rinse with hot water.

Cold Dip Tank and Parts Washing
Immerse engine and machinery parts in BioRenewables Industrial Degreaser. Allow sufficient contact time to insure solvent penetration. Rinse clean with water. To avoid rust after rinsing, spray with Spartan Lube-All.

SUSTAINABLE PRODUCERS

Pierre Allrik
President & CEO

BioRenewables Hand Cleaners

BioRenewables Waterless Hand Cleaner and BioRenewables Waterless Plus are formulated with a soybean solvent base to remove heavy-duty soils safely and easily. Both waterless hand cleaners are produced with 85% biobased material made from renewable resources. To enhance the performance, both formulas also contain a blend of surfactants to emulsify the soil.

DIRECTIONS FOR USE:

General Use
Apply a small amount of Spartan’s BioRenewables Waterless Hand Cleaner or BioRenewables Waterless Plus to dry hands. Rub hands together. Wipe hands with a paper towel or clean cloth or rinse with water and dry.

SPECIFICATION DATA:
- pH — 7.0 – 8.0
- Specific Gravity — 0.99
- Viscosity — >700,000 cps @ 72°F/22°C
- Color — White (BioRenewables Waterless Hand Cleaner), Green (BioRenewables Waterless Plus)
- Flash Point — None
- Stability — One year minimum
- a. Shelf @ 75°F/24°C
- b. Accelerated @ 129°F/49°C
- c. Freeze/Thaw — Can withstand 5 cycles
- Phosphate free
- VOC Compliant

PACKAGING:
BioRenewables Waterless Hand Cleaner and BioRenewables Waterless Plus are available in recyclable HDPE (high density polyethylene) 55-gallon drums, 5-gallon pails, and gallons; 4 per case. Label copy is provided in English, Spanish, and French.

BioRenewables Industrial Degreaser’s formula contains 53% biobased materials, maintaining its degreasing strength while utilizing renewable resources. A user-friendly product with a translucent pale yellow color and a pleasant hint of orange fragrance.

BioRenewables Industrial Degreaser is available in lined steel 55-gallon drums and 5-gallon pails. Label copy is available in English, Spanish, and French. Secondary labels are also available.

BioRenewables Waterless Hand Cleaner

BioRenewables Waterless Hand Cleaner is available in recyclable HDPE (high density polyethylene) 55-gallon drums, 5-gallon pails, and gallons, 4 per case. Label copy is available in English, Spanish, and French.