



## 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. A user-friendly product with a translucent pale yellow color and a pleasant hint of orange fragrance.



Providing Quality Maintenance and Chemical Specialty Solutions with Unparalleled Customer Service



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#### SOY POWERED:

Soybeans are a renewable resource used in a variety of products, including industrial cleaners. To be used in this application, soybeans are crushed and the oil is extracted from the bean. Soybean oil, in its raw form, is then processed to make methyl soyate, a powerful solvent. Methyl soyate is a safer alternative to many solvents commonly found in industrial cleaners. Spartan incorporated this safer technology into BioRenewables Industrial Degreaser.

#### BIO-BASED FORMULA SEAL:

BioRenewables Industrial Degreaser is certified by a third party to contain 53% bio-based material. The testing was performed by an outside, USDA approved, laboratory to insure the biobased content of BioRenewables Industrial Degreaser. 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.



#### 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, many inks, most adhesives, industrial oil

Safe to use on:

- Concrete, ceramic tile & brick, ferrous & non ferrous metal

#### LOWER VOC CONTENT:

Soybean oil solvents produce little harmful emissions or VOC's (volatile organic compounds). By including a soybean solvent

into BioRenewables Industrial Degreaser, the VOC profile is reduced and complies with strict, new VOC restrictions.

#### A NATURAL CHOICE:

BioRenewables Industrial Degreaser also includes a boost of natural d-limonene for added cleaning power and a natural orange fragrance. No overpowering fragrances make this product pleasant to use.

#### DIRECTIONS FOR USE:

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

#### GENERAL CLEANING AND DEGREASING:

Spray, brush, sponge or mop BioRenewables Industrial Degreaser onto the soiled surface. Allow sufficient contact time to insure solvent penetration. Wipe, pick up and rinse thoroughly.

NOTE: Product will dull floor seals, finishes and some types of protective coatings. Do not use to degrease concrete floors prior to resurfacing.

#### ENGINES AND MACHINERY:

Spray, brush or sponge BioRenewables Industrial Degreaser on the soiled surface. Apply product when engines or machinery are warm. Allow sufficient contact time to ensure 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.

**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:

Total Active Ingredients – 100%  
Specific Gravity – 0.862 @ 24°C/75°F  
Density – 7.17 lbs./gal.  
Viscosity – Water thin  
pH – N/A  
Flash Point (Tag Closed Cup) - 84 °C/183°F  
Stability –  
a. Shelf @ 24°C/75°F – One year min  
b. Accelerated @ 49°C/120°F – 60 days min.  
c. Freeze/Thaw – Will withstand a minimum of one cycle.

Miscibility – Forms an emulsion in hot & cold water; emulsifies water, insoluble solvents and oils.

Rinsability – Rinse completely with hot or cold water and leaves no film Phosphate free

#### WARNING:

Combustible liquid and vapors. Flash Point 179°F/ 82°C

#### STORAGE:

Do not store BioRenewables Industrial Degreaser above 120°F/49°C. Product will expand and may cause drum to swell and possibly rupture. In case of drum expansion, carefully vent drum through small bung. All handling equipment should be electrically grounded.

**NOTE: When dispensing product from drum or pail, pump with corrosion-resistant metal pump with solvent-resistant seals and dip tubes, or rack with solvent-resistant faucet.**



#### PACKAGING

231055	55-gallon drum
231005	5-gallon pail

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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