# THINK RESOURCEFUL > RELIABLE > RESPONSIBLE



## 2015 / SOY PRODUCTS GUIDE

SOYNEWUSES.ORG THINKSOY.COM





The use of soybean derivatives in manufacturing isn't new. In fact, Henry Ford and George Washington Carver shared a vision in using soybean and other natural derivatives to make plastics, paint, fuel and other products. In 1942, Ford built a car with a plastic body made from soybeans and posed in front of it in a suit made of soy-based fiber.

The United Soybean Board (USB) is carrying on this vision by supporting innovative soy-based research for new product development. Since the mid-1990s this ongoing research has led to the development and manufacture of more than 800 products that contain soy, including soy-based spray foam insulation; plastic composites for cars, boats and agricultural equipment; paint; ink; and wood adhesives used in plywood, hardwood and particleboard. The list grows every year with new products.

As global demand for fuels, fiber and material continues to climb, soy-based products and feedstock provide smart, sustainable alternatives to petrochemical-based products. With equal, or better performance, and lower environmental impact, soy-based products make it easy to go green. Think of all the ways you can save when you Think Soy.

Ford Soybean Processing Plant at the River Rouge Complex

#### AN AGRICULTURE SUPPLY CHAIN



#### A GUIDE TO GOING GREEN

USB publishes the "Soy Products Guide" every year to help businesses and consumers identify commercially available soy-based products and ingredients. More products are added to the electronic version of the Soy Products Guide, as they become available throughout the year. For the most up-to-date listings, visit www.soynewuses.org.

#### THE CHECKOFF CONNECTION

The United Soybean Board funds research and promotes the development and promotion of soy's many uses. Cultivating broader awareness and use of soy as an alternative to petroleum-based chemicals, the board's research and promotion programs have been instrumental in creating hundreds of products. Consisting of 70 volunteer farmer directors, USB oversees investments of all U.S. soybean farmers' checkoff dollars and seeks to use that investment to maximize their on-farm profitability. For more information on USB and the soy checkoff, go to www.unitedsoybean.org.

#### **COMPANY LISTINGS**

The companies listed are contacted annually to verify that their products contain soy in some form and are available for sale. The information on the site is continually updated as manufacturers send updates to USB. In some cases, new products will be launched, and other products may no longer be available. Many companies have indicated an interest in wholesale distribution, and resellers are encouraged to contact them directly. USB does not provide any guarantee or warranty of the products or suppliers. For more information, see the disclaimer on page 45. If you would like to have your soy-based product added to this guide, please contact us at info@unitedsoybean.org.

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#### **BIOPREFERRED PRODUCTS**

Denotes products in this catalog that are certified as BioPreferred. The U.S. Department of Agriculture (USDA) BioPreferred program consists of two initiatives: a preferred procurement program for federal agency purchasing and a voluntary certification and labeling program for the consumer marketing of biobased products.

The voluntary labeling program enables manufacturers to have their biobased products that meet program requirements evaluated and labeled for easy consumer identification. To learn more about BioPreferred products and products with the USDA Certified Biobased Product Label, please visit www.biopreferred.gov, and follow on Twitter @BioPreferred.



# CONSUMER PRODUCTS

From car seats and cleaning supplies to carpet and coatings, soybeans help make products more renewable and environmentally friendly while maintaining, or in some cases exceeding, performance. Soy-based products help reduce U.S. dependence on foreign oil. They are also often more biodegradable and contain fewer volatile organic compounds than traditional products, and may reduce exposure to known and suspect carcinogens.

Products listed in this section are intended for use by everyday consumers. In some cases more than one source is listed for an identical product. Product descriptions are provided by suppliers.

USB does not guarantee their accuracy or provide any guarantee or warranty for the products or suppliers listed.

#### **ANIMAL CARE**

#### **FEED ENERGY COMPANY**

**All Veg 4000** – A natural energy source for animals derived from processing soybean oil seed products.

**Hyper-Cal 3800** – A blend of vegetable oils and high-grade animal fats that provides energy for a variety of animal species.

**MRG** – A natural, metabolizable energy source that is a blend of All Veg 4000. It enhances the growth potential of animals and is a base product for liquid feed.

#### **GEMTEK®**

AllerSafe® Shampoo for Dogs and Cats — A mild, pH neutral pet shampoo that cleans pets without use of harsh sulfonics, caustics, builders or reagents. Does not contain dyes or fragrances that can irritate pet's skin.

THE CLEAN ENVIRONMENT COMPANY

N-27 Pet Shampoo – A naturally derived pet shampoo that is nonirritating and a gentle Cleansing shampoo for all animals.
Conditions hair as it cleans and de-tangles. Does not strip hair and aids in repairing damaged hair.



#### **ARTS AND CRAFTS**

#### **DELTA CREATIVE, INC.**

**Paint, Stain and Varnish** – Soy-based paint, stain and varnish for use in the home. Available in craft stores.

#### DIXON TICONDEROGA

**Prang Fun Pro Crayons** – Crayons made with 100 percent renewable resources including soybean oil. They are brighter and smoother than ordinary wax crayons.



#### **AG ENVIRONMENTAL PRODUCTS**

**SoyGold Diesel Additive** – A biodiesel product that increases fuel lubricity, boosts cetane values and burns cleaner than traditional fuels. It blends with diesel in any ration from 2 percent and higher.

#### **ARCHER PETROLEUM**

Archer Soy Guard Plus® – A high-performance diesel fuel additive. Aids in lubricity, improves engine life, cleans injectors, lowers emissions, includes a cetane booster and boosts performance.

#### CENEX

Biomax THF – A tractor fluid that is designed specifically for use in agricultural equipment and protects the vital parts of a tractor to ensure optimal performance.

#### **FORD MOTOR COMPANY**

Soy-based foam cushions are now standard in every 2015 Ford vehicle.

#### FRANMAR CHEMICAL, INC.

**Bean-E-Doo Automotive Molding Adhesive Remover** – A 100 percent biodegradable,
noncaustic, nontoxic, solution that makes it easy to
remove double-sided tape from body side moldings.



#### **GOODYEAR TIRE**

Goodyear researchers at the company's Innovation Center have found that using soybean oil in tires can potentially increase tread life by 10 percent.

#### **GOODYEAR TIRE AND RUBBER**

A new soy-based tire is currently in the final stages of testing and is scheduled to be released soon.

NASCAR Racing Tires - Soybean oil used in rubber compound for tires.

#### INTERNATIONAL LUBRICANTS, INC.

#### Lubegard Bio/Tech Engine Protectant -

A biosynthetic formula that provides additional lubricity protection to engine oil, eliminates harmful cold starts and reduces internal friction. It optimizes engine horsepower and performance and protects and extends oil life by 30 percent.

#### LubeGuard® Power Steering Fluid -

A fluid that enhances all power steering fluids. It eliminates power steering noises and whines and improves power steering system performance.

#### RENEWABLE LUBRICANTS. INC.

- Bio-Booster Soy-Based Cetane Improver A soy-based cetane improver that increases diesel fuel ignitability.
- Bio-Hydrostatic Fluid (Low Viscosity) A biodegradable vegetable-based hydraulic fluid.
- Bio-Trans-Hydraulic A universal tractor fluid that is made from biodegradable soybean stocks.

Bio-Plus Injector Cleaner Gas Conditioner -A multifunctional, highly concentrated, synthetic biobased gas additive formulated to provide excellent intake valve cleanliness and ensure clean efficient combustion in fuel-injected and carburetor-equipped engines.

Bio-Power Summer Diesel Conditioner – A soy-based diesel fuel conditioner formulated to improve fuel economy and power.

Bio-Power Winter Diesel Conditioner – A diesel fuel conditioner specifically formulated for harsh winter conditions.

#### RSC BIOSOLUTIONS

**Envirologic 132 and Envirologic168 –** Biodegradable hydraulic fluids that replace conventional oils.

**Envirologic 700** – A biodegradable universal tractor fluid based on natural ester technology.

Envirologic Bioflush - A flush fluid to convert petroleum systems to biodegradable hydraulic fluids. It is not petroleum based.

#### **SCHAEFFER MANUFACTURING COMPANY**

Soy Ultra® - A multifunctional gasoline additive that contains a unique blend of methyl soyate biofuel derived from soybean oil. It increases engine performance and provides smoother idling and improved drivability.

SoyShield® All Season – A concentrated multifunctional premium diesel fuel additive that is formulated for use in all types of diesel, especially low-sulfur and ultra-low-sulfur diesel fuels. It is a unique blend of methyl soyate biodiesel derived from soybean oil and is a highly concentrated multifunctional additive package.

#### **SOYCLEAN**

 Soypower Diesel Fuel Additive – A diesel fuel additive that harnesses the power of sov for a high-performance green alternative to traditional products. It is produced with 100 percent soybean oil.

#### Universal Tractor Hydraulic Fluid -

A biodegradable tractor hydraulic transmission fluid formulated with American-grown natural vegetable oils.

#### **BIODIESEL**

#### AG ENVIRONMENTAL PRODUCTS

SoyGold Biodiesel - B2 to B20

#### **CARGILL INDUSTRIAL OIL & LUBRICANTS**

**Methyl Soyate** – An industrial cleaning solvent as a replacement in metal cleaning and precision cleaning applications.

## **CRYSTAL FLASH**

**Biodiesel** 

#### CYTOCULTURE INTERNATIONAL, INC.

CytoSol BioSolvent - A biodegradable shoreline cleaner to "Lift and Float" oil from impacted marshes, mudflats and beaches.

#### **GRIFFIN INDUSTRIES**

Bio G-3000® – Premium Biodiesel Fuel.

#### **RENEWABLE ENERGY GROUP**

**REG-9000®** - Up to B100.

#### HAMPEL OIL DISTRIBUTERS

Biodiesel - B2 to B100.

#### PETER CREMER NORTH AMERICA

Oleochemicals - Light and heavy-cut methyl esters, broad and mid-cut methyl esters and heavy-cut methyl esters.

#### RENEWABLE LUBRICANTS

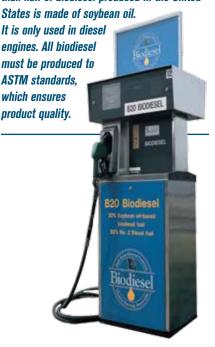
Bio-SynXtra™ Trans-Hydraulic Fluid and Low Viscosity - A universal tractor fluid that incorporates stabilized additive technology with vegetable oil biobased stocks.

#### RENEWABLE ENERGY GROUP

REG-9000® - Up to B100

#### **BIODIESEL** (CHEMICAL NAME **METHYL ESTER**) is a renewable,

clean-burning diesel replacement that is made from a diverse mix of feedstocks. More than half of biodiesel produced in the United



#### **BUILDING PRODUCTS**

#### **BIOSPAN TECHNOLOGIES**

 RePLAY® - An 88 percent biobased pavement preservation agent that has been proven to prolong asphalt surfaces and maintain skid resistance.



#### **PUREBOND PANELS**

Soy-based adhesives can help reduce the use of formaldehyde. To date, more than 50 million PureBond™ panels, developed with formaldehyde-free plywood technology by Columbia Forest Products, have been installed.

#### **COLUMBIA WOOD PRODUCTS**

 Appalachian Traditions™ Hardwood Plywood – Purebond formaldehyde-free plywood technology in a panel that is unique and full of character. Works with any style.

**Aromatic Cedar** – An affordable luxury for use in closets, storage and laundry areas, pantries, kitchen and bath cabinets, chests and as drawer liners.

**Beaded Panels** – The look of fine tongue-andgroove woodwork with the installation ease of a plywood sheet.

**CAN/AM GOLD+™ Panels** – New and improved value-priced professional-grade plywood.

**CFP60"s™** – Five-foot-wide panels that dramatically improve yield and reduce labor costs.

**Classic Core**® – Constructed with a smooth, void-less MDF crossband that adds lightweight strength and surface quality.

**Columbia Alder** – Paneling with a fine, light grain pattern and consistent color. Great workability makes it a versatile choice for paneling, furniture and cabinet applications.

 $CustomColors^{TM}$  – Pre-applied custom stained panels.

**Drawer Sides** – Created with HPVA CC rotary-sliced natural maple panels.

**Europly PLUS™** – New eurostyle panel that provides a green edge to builders on LEED® projects.

**The FinishLine**<sup>™</sup> – Clear, stained and primed factory finishes in one product collection.

**FirstStep**® – Preprimed, ready-to-use hardwood plywood panels.

FSC®-Certified Wood — Environmentally certified decorative panels and veneered particleboard that carry the Forest Stewardship Council™ (FSC) ecolabel and qualify toward the US Green Building Council LEED Green Building System requirements.

JayCore®/KayCore® – Premium veneer core hardwood plywood produced domestically on calibrated, veneer core blanks. Use for cabinetry and furniture.

**Lyptus**® **Hardwood Plywood** – Produced with Weyerhaeuser in a range of exclusive looks featuring Lyptus veneers.

**MPX**® – Uses a smooth hardwood poplar crossbank under the face and back of the panel for a clean and even finish.

Radius™ Bending Plywood – The perfect solution for curved columns, arches, cabinetry and furniture in residential and commercial settings.

**StainSelect™** – Ten VOC-free-factory finish stock stain colors with small minimums.

**Teragren**<sup>®</sup> **Bamboo Hardwood Plywood** – Combines bamboo face veneers with Purebond formaldehyde-free hardwood plywood technology.

**UV** LabCoat<sup>™</sup> – A prefinished plywood panel with a chemically resistant, no-VOC, UV-cured lab-grade finish.

**UV Wood** – Designed for use in cabinets, vanities, case goods, end panels, shelving and drawer parts.



#### **ECOTEC**

Ecotec manufactures soy-based urethane solid-surface countertops. The company says the material contains up to 40 percent renewable and recycled materials and provides a high number of LEED points. It is impact resistant, easy to install and up to 25 percent lighter than comparable solid surfaces.

#### **ECOTEC**

Soy-Urethane Solid Surfaces.

#### **ENVIRON BIOCOMPOSITES LLC**

Environ – A decorative interior material that looks like hardwood and is environmentally friendly.

Made with recycled paper products, a soy-based resin system and color additives.

#### **GREEN PRODUCTS LLC**

**EnvironGrip** – Web-backed synthetic adhesive tape used for flashing and repair details.

#### **OC CONSTRUCTION PRODUCTS**

QC Ecosoy System – An innovative biobased decorative concrete staining system made from environmentally friendly, rapidly renewable resource materials such as soy. It is a low-cost and nonhazardous alternative for stains and sealers that does not compromise the beautiful look and high quality finish of other decorative concrete stains.



#### SPRAY FOAM INSULATION

Increasing interest in LEED (Leadership in Energy and Environmental Design) in the construction industry is promoting the use of soy-based wood adhesives, wood composites, foam insulation, carpet, coatings and sealants.

#### **RHINO LININGS**

Rhino offers spray foam insulation products under the BioBased Insulation® and DuraTite™ brands. The DuraTite product line also includes spray foam roofing systems. High-density polyurethane foam sealants are available in the BioSeal™ product line. All foam products must be applied by a qualified contractor. Visit http://biobased.rhinolinings.com to locate a professional applicator.

#### STATES INDUSTRIES. LLC

Using soy-based adhesives, State was among the first production hardwood plywood manufacturers to become Forest Stewardship Council certified almost 20 years ago. In addition to meeting ANSI/HPVA HP-1-2009, State products comply with California Air Resources Board regulation 93120 reducing formaldehyde emissions unless otherwise specified. Products include:

#### **Appleply**

Nova, Nova Peak and Nova Lab

Versa

Upfront

Armorcore

Elemental

Xtra

#### **CANDLES**

#### **BENNINGTON CANDLES**

All natural soy wax candles in glass jars are clean burning and have a soft aroma. Natural soy wax candles are handcrafted using farm grown soybeans from the U.S.A. and have an approximate burn time of 35 hours. These Vermont-made candles are hand-poured using a unique blend of essential oils and 100 percent cotton wicks.

#### BITTER CREEK CANDLE SUPPLY, INC.

**Ez Soy** – A natural soy wax that makes container candles. It is clean-burning, easy to cleanup, nontoxic, biodegradable and environmentally safe.

#### **CANDLEMART**

**Soy Candles** – Hannah's At Home 100 percent soy wax candles are available in a variety of scents and sizes.

#### **CANDLES BY CLAIRE**

**Soy Candles** – American-grown soybean wax candles.

#### **COYER CANDLE COMPANY**

High-quality soy wax candles with distinctive swirl pattern in many fragrances.

#### **GENERATION SOY**

**Scented Soy Candles** – Available in a wide range of colors and styles.

#### HANNA'S CANDLE COMPANY/HCC BRANDS

Bakery Collection – 100 percent soy wax candles in fresh-baked aromas. Products include Home Sweet Home Collection, Melt Your Heart Collection, Soy Tidings Line, and Vintage Florals.

#### LEE SEED COMPANY, INC.

**Candles My Way** – Hand-poured soy wax candles available in a variety of scents and containers.

#### MINNESOTA SOYBEAN RESEARCH & PROMOTION COUNCIL

**Beanswax Candles** 

#### NATURE'S GIFTS INTERNATIONAL, LLC

**Ecosoya**® – Candles made with Ecosoya®, which is formulated specifically for candles. Available in a variety of scents and containers.

#### **NEW CENTURY COATINGS**

Agricolor – A product designed to colorize candle wax materials. Made with natural soybean byproducts to produce vibrant colors.

#### **PRIZE CANDLE**

All natural soy wax candles.

#### **QUIET TIME CANDLES**

**Soy Candles** – Made with soy wax and a cotton wick. Available in a variety of scents.

#### **SOY BASICS**

Bean Pod Candles and Seed by Soy Inspirations Candles – Made with soybeans available in a variety of fragrances and sizes.

#### **SOY CANDLES**

**Soy Candles** – 100 percent soy wax candles that are biodegradable and nontoxic.

#### **SOY DELITES**

**Soy Candles** – Soy-based candles available in a variety of scents and sizes.

**Tart Bars** – Soy-based bars that contain six breakaway cubes used in a tart burner/melter.

#### **SOYCANDLEWORKS**

**Soy Candles** – Made with soy, a great renewable choice for a candle.

#### **CLEANING PRODUCTS**

#### **ARCHER PETROLEUM**

Archer Kleenease – A solvent that is made from 100 percent American-grown soybeans and no chemicals. It easily removes grease, oil, asphalt, paint and tar and is great for washing parts and engine degreasing.

#### **BARCO PRODUCTS**

 SoySafe<sup>™</sup> – Soy-based, all natural, nontoxic, nonflammable products that are certified biodegradable.

**Mastic Remover** – Removes adhesive, glue, mastic, labels, stickers, decals, crayon, shoe polish, and asbestos-based mastic.

**Basin, Tub and Tile Cleaner** – Deodorizes, cleans and removes lime scale, soap scum, and body oil deposits.

**Clinging Toilet Bowl Cleaner** – Smells great and is safe.

 Drain and Septic Cleaner – Drain opener and septic tank treatment that contains enzymes that digest rather than mask odors.

**Graffiti Remover** – Removes all types of unsightly graffiti from any surface.

**Granite Cleaner** – Cleaner that brings granite surfaces back to life. Cleans and protects hard surfaces.

- Oven and Grill Cleaner Softens and loosens charred residue from grills, utensils, smokers, stoves, ovens, pots and pans with easy cleanup.
- Spray and Wipe Cleans, degreases and deodorizes in one application. Safe for use on glass, plastic, aluminum, counter tops and tables.
- Whiteboard Cleaner and Restorer Replaces existing toxic and hazardous cleaning chemicals and restores whiteboard's finish.

#### **BI-O-KLEEN INDUSTRIES, INC.**

Citrus Soy Solvent – A multipurpose cleaning solvent made with soybean oil extract to make it a much safer and natural alternative. Nonflammable, noncombustible and gentle to skin. It dissolves gum, wax, paint, adhesives, tar and more.

#### P.O.G. Paint, Oil, Gum Solvent

- Soy Cream Cleaner A cleaner that effectively shines, cleans and protects many surfaces without scratching and without toxic chemicals. It's safe for linoleum, porcelain, chrome, stovetops, sinks, counter tops, tub and tile, grout and more.
- Soy Toilet Scrub A toilet cleaner made from soybean oil extract, natural volcanic perlite and grapefruit seed extract. It is natural, nontoxic and gentle.

#### CPC AEROSCIENCE, INC.

**Comply** – An organic degreaser combining the power of citrus with the safety of soy for rapid grease cutting.

#### **EARTH FRIENDLY PRODUCTS**

Stainless Steel Cleaner and Polish – A 100 percent sustainable and natural product made with soy. It polishes and protects stainless steel and metal surfaces. No streaks or oily residue.

#### **ECO SAFETY PRODUCTS LLC**

Ecoprocote Soy-It Stainless Steel Cleaner – Soy-based technology at work.

#### FRANMAR CHEMICAL. INC.

- Bean-E-Doo® product line replaces toxic chemicals with environmentally safe soybean oil.
- Dust Mop Treatment Helps maintain dust-free floors using an environmentally safe process.
- Mastic Remover Rinses clean and does not leave a residue.
- Parts Washer Solvent An industrial parts
  washing solution that cleans tough oils, greases,
  carbons and inks. Available in three different
  solutions: general cleaning parts washer,
  rust-inhibitor parts washer or a rust-removal
  parts washer.

Emerge – An environmentally friendly all-purpose cleaner that is versatile and can be used on a variety of hard surfaces. It cleans oil, grease, dirt and grime from asphalt, concrete, metal and painted walls.

 Ickee Stickee Unstuck – A biobased cleaner that works quickly and effectively. It easily removes adhesive build-up and cleans up with water.

#### **GEMTEK PRODUCTS**

**AllerSafe**® products neutralize protein allergens created by dust mite droppings, dog dander and cat saliva without toxic or hazardous chemicals.

- AS All-Purpose Cleaner All-purpose cleaner used on a variety of surfaces.
- AS Carpet and Upholstery Shampoo Used for extraction cleaning or machine washing. Does not contain any fragrances or colors.
- AS Dustroy Anti-Allergen Ready-to-Use
   Spray Neutralizes protein allergens and may be applied to all surfaces that are washable.
- AS Hand Dishwashing Liquid Fights grease without any fragrances or extra chemicals.
- AS Laundry Detergent Can be used with other detergents to neutralize allergens in washable fabrics.
- AS Laundry Stain Remover Helps remove most stains.
- AS Mold and Mildew Cleaner Effectively removes mold, mildew and fungus from ceramic tile and grout surfaces without bleach or caustics.

#### INTERCHEM ENVIRONMENTAL, INC.

**SoyClean**® products use the power of soy to deliver a high-performance green alternative to traditional products.

**Bar-B-Q Grill Cleaner** – Removes char, grease and burnt-on barbecue residue from grills and smokers.

**Driveway, Sidewalk and Patio Cleaner** – Biodegradable product that effectively cleans

Biodegradable product that effectively cleans concrete, brick or rock surfaces. It removes grease, tar, oil stains and dirt.

MCMASTER-CARR SUPPLY COMPANY Soybean-based Cleaner/Degreaser – An all-natural, soybean-based cleaner that has no solvents or phosphates. It removes oils, grease, wax, paint, tar and more. It also leaves a rust-preventing coating.

#### NIITEK

- Nutek Green Simply Soy™ Lubricating Cloth Wipes Canister – BET0020 – A patented nontoxic lubricating solution that is powerful enough to clean rust from tools and is safe enough for use in sensitive areas, such as food preparation areas, schools and hospitals. Nutek Green products contain no carcinogens, no VOCs, and are nontoxic.
- Grime Off A 100 percent biodegradable foaming spray degreaser. Helps prevent the re-deposit of grease on clean surfaces.

#### ORISON MARKETING, LLC VPW SC-1000 All-Purpose Cleaner -

An all-purpose biobased cleaner for vehicle wash/ maintenance, manufacturing, shop cleaning, food processing, janitorial, and more.

#### **SO CLEAN SOLUTIONS**

- So Clean Floor Cleaner A nontoxic concentrated floor cleaner made with corn, soybeans and oranges.
- So Clean Multi-Purpose Cleaner A nontoxic, multipurpose cleaner used on a variety of surfaces including kitchen counters.

#### SOY TECHNOLOGIES, LLC

- SoyGreen® products use powerful soy esters to replace butyls, d-limonene, and even caustics for degreasing and hard-surface care.
   Environmentally safe.
- SG Power Degreasers Offers the cleaning performance and safety of a soy-based degreaser with the cost effectiveness of a water-based cleaner. It can be used on all types of surfaces.
  - **SG Stainless Steel Cleaner** Degreases and polishes stainless steel and other hard surfaces.
- SoyFast All-Purpose Cleaner (regular and concentrate) – An all-purpose cleaner formulated to be "ready-to-use." It is soy-based, nontoxic and biodegradable, and has incredible greasecutting power.

SoyFast Concentrate Carpet and Upholstery Cleaner

#### **SOYCLEAN**

- All-Purpose Cleaner Cleans any surface with no rinsing. Does not create film or streaks as it cleans and brightens surfaces.
- Bathroom Tub and Tile Cleaner Rapidly cleans and removes soap scum, lime, scale and body oil deposits from shower walls and doors, sinks, ceramic tile, fiberglass, vinyl, porcelain and stainless steel.

#### Heavy-Duty Degreaser and Cleaner -

An alkaline, water-dilutable, heavy-duty green cleaner/degreaser. Removes automotive, industrial and kitchen soils/oils instantly.

 BBQ and Grill Cleaner – A high-performance green alternative to traditional products. It removes charcoal, grease and burnt-on barbecue residue from grills and smokers.

**Driveway, Sidewalk and Patio Cleaner** – A biodegradable product that effectively cleans concrete, brick or rock surfaces. It removes grease, tar, oil stains and dirt.

- Dry-Erase Markerboard Restorer Uses soy to keep whiteboards looking like new without the fumes.
- Graffiti Remover Removes all colors of spray paint, permanent markers, inks and lipstick from almost any surface.

**Hard Surface Stain Remover** – Removes stains from all hard surfaces.

#### SPARTAN CHEMICAL COMPANY, INC.

 Graffiti Remover SAC – A ready-to-use biobased product that is naturally derived from agricultural ingredients such as soy. It removes any graffiti off of most surfaces.

#### THE CLEAN ENVIRONMENT COMPANY

- N-1 All-Purpose Cleaner Can be used on a variety of surfaces such as floors, walls and windows and saves energy because it works well in cold water. Never needs rinsing and does not leave film.
- N-14 Heavy-Duty Degreaser and Cleaner A heavy-duty degreaser and cleaner that contains a balance of natural solvents, wetting agents and alkaline detergents. It removes automotive, industrial and kitchen soils/oils instantly and works in both cold and hot water.
- N-15 Spray and Wipe Cleaner Concentrate Replaces traditional cleaners.

### N-2 Laundry Detergent and Softener – A laundry detergent and prespotter that cleans,

softens, brightens, whitens and deodorizes and removes stains. It is noncaustic to extend fabric life.

- N-3 Solvent Cleaner and Spot Remover Instantly removes chewing gum, tar, grease, make-up, candle wax and adhesives from most surfaces. It can be used on clothes, furniture, carpet, and concrete.
- N-37 Car and Truck Wash Detergent A very high-sudsing detergent for washing cars and other vehicles. It works with cold water and is easy on your hands. It rinses free of residue.
- N-41 Oven Cleaner A nontoxic oven cleaner that is nonfuming, making it more pleasant to work with than traditional oven cleaners.
  - N-45 New and Improved Laundry Detergent -Nonhazardous, biodegradable and nontoxic so it's gentle on the skin. Less expensive than other laundry detergents because a small amount goes farther.
- N-6 Hand Dishwashing Detergent A very high sudsing naturally derived detergent for cleaning dishes, pots, pans and fine washables. Great cleaning action even in cold greasy water and gentle on the skin.
- N-7 Basin Tub and Tile Cleaner Cleans shower walls and doors, sinks, ceramic tile, fiberglass, vinyl, porcelain and stainless steel. It deodorizes as it cleans and is acid free.
- N-8 Clinging Toilet Bowl Cleaner Cleans, descales and makes porcelain fixtures sparkle and is also pleasant smelling and nontoxic.

#### TWIN CHEMICAL, INC.

Take-it-Off Concrete Sealer and Stain

**Remover** – Removes most dissipating sealers, floor sealers, wax sealers, acrylic and latex sealers. Does not contain any ingredient requiring listing per US OSHA 29 CFR 1910.1200.

#### **CLOTHING AND FOOTWEAR**

#### **PARADISE FIBER**

White Soybean-Soysilk Top Spinning Fiber – Smooth, soft and sustainable yarn, ready for spinning.

#### **SOUTH WEST TRADING COMPANY**

**Soysilk** - Fiber made from the residue of soybeans from tofu manufacturing. The process is 100 percent natural and free of any petrochemicals.

#### **FLOORING**

#### **DOW CHEMICAL COMPANY**

**Dow BioBalance Polymers Carpet-Backing** System – Incorporates soybean oil as a replacement in a portion of the chemistry used in making polyurethane carpet backings.

#### **ECOPATH**

Ecomax, Ecorib and Ecoclassic Carpeting – Carpets backed with EnviroCel<sup>™</sup> polyurethane backing systems for commercial carpet. Contains recycled, recovered and renewable materials that are 60 percent to 70 percent biobased by backing weight. EnviroCel replaces large percentages of the petroleum-based components in the polyurethane with biobased polyols made from soybean oil.

#### **PHASE ENERGY SOLUTIONS**

Bio PC Mats - Mats work in the daytime by absorbing heat from solar and internal gains. They release heat during the night to reduce cooling and heating loads, along with energy consumption. The mats come in different categories.

#### SIGNATURE CRYPTON CARPET

Signature products all come standard with BioCel™ Laminate, developed by Universal Textile Technologies. They offer the very best in noise reduction, moisture barriers, antimicrobial protection, rolling traffic and performance. BioCel™ is manufactured with a minimum of 70 percent recycled content.



#### **SIGNATURE** YELLOWSTONE CARPET

Universal Textile Technologies entered into partnerships with Yellowstone and Grand Teton national parks to purchases recyclable plastic bottles and combines them with soy to make the Yellowstone Collection of carpets. The durable carpet is used in residential and commercial applications and earns LEED points.

#### **FURNITURE**



#### AMERICAN LEATHER

Upholstered Sofas and Chairs -Sov-based cushions.

#### ASHLEY FURNITURE

**Signature Series** – Uses soy-based urethane foam in products.

#### **BAUHAUS FURNITURE**

**Upholstered Sofas and Chairs** – Soy polyols used in cushions of upholstered products.

#### **CISCO BROTHERS**

Upholstered Sofas and Chairs - Soy-based foam cushion options.

#### **COMFORT SOLUTIONS**

Natural Response Mattresses -

Environmentally responsible soy-based foam.

#### **CRATE AND BARREL**

Cody Side Chair - Eco-friendly construction on certified-sustainable, kiln-dried hardwood frame and tight seat and back cushions with soy-based foam and web suspension.

Composite Office Furniture – A new line of office furniture made with advanced biocomposite materials.

#### **ERGO GENESIS**

**BodyBilt Chair** – An ergonomic chair that is made with soy-based BioFoam.

#### **FRANKLIN**

Three-way Lift Chair - Incorporates soy-based foam cushions.

#### HICKORY BUSINESS FURNITURE

**Preserve**® **HR Products** – Soy-based flexible polyurethane foam. The foam can be used for furniture and bedding as well as other uses.

#### KLAUSSNER FURNITURE

**Dual Reclining Loveseat** – Made with foam that is made with soy-based polyol.

#### LA-Z-BOY

**EcoComfort Line** – Uses soy-based cushions to be eco-friendly.

#### **LANE FURNITURE**

**Upholstered Sofas and Chairs** – Feature soy-based urethane foam cushions.

#### **LEE INDUSTRIES**

**Natural Lee Line** – Furniture using soy-based foam and other renewable resources in cushions.

#### MARTHA STEWART LIVING/GOOD BED

**The Good Bed** – Mattress made with soy-based foam.

#### **MAXHOME FURNITURE**

**Upholstered Sofas and Chairs** – Cushions made with sov-based foam.

#### MITCHELL GOLD

**Upholstered Sofas and Chairs** – Cushions made with renewable soy-based biomaterial foam.

#### **NORWALK FURNITURE**

**Upholstered Sofas and Chairs** – Use soy-based urethane foam cushions.

#### **ROSE HILL**

Spencer Wing Chair, Rose Hill Deco Chair, Plush Mattress Set, Norwood Chair and a Half

#### **SIMMONS®**

NaturalCare® Rubber Tree Sap Mattress Line – Features a layer of natural rubber tree-based latex foam made from biodegradable materials like rubber tree sap, enhanced with soy.

#### THE FUTON SHOP

**Cool Cloud Sleep System** – Gel-infused soy-based memory foam provides seven times more cooling comfort and up to two times more support than ordinary chemical-based memory foam.

#### **VANGUARD FURNITURE**

**Eco-Lux Set** – With soy-based urethane foam.

## GREASE, OIL AND LUBRICANTS

#### **ARCHER PETROLEUM**

 Soy-Safe Bar and Chain Oil – Lubricant made with soybean oil.

#### **BARCO PRODUCTS**

 Penetrant Lubricant – A nontoxic, rust penetrant and lubricant that is all natural, nonflammable and certified biodegradable.

#### **BI-O-KLEEN INDUSTRIES, INC.**

**Biokleen™ Soy Lube SL-100** – A lubricant made with soybean oil and other vegetable derived oils, orange peel extract and vegetable-based corrosion inhibitors and penetrants.

#### **BUNGE NORTH AMERICA**

AgriTech® – Elevator lubricant is biodegradable and nontoxic. Supported by USDA BioPreferred Purchasing Program. Excellent lubricity and high viscosity index. Utilizes the latest in ashless anti-wear additive technology for wear reduction and prevention of rust, corrosion and oxidation

#### **CORTEC CORPORATION**

Ecoline CLP – A green multifunctional penetrant/ lubricant that provides lubrication, penetration, corrosion protection in humid and harsh environments and cleaning.

Ecoline Long-Term Rust Preventative –

A biodegradable temporary coating designed for use in severe marine and high humidity outdoor and indoor environments. It protects against all types of corrosion and oxidation and works well on a variety of metals.

## ENVIRONMENTAL LUBRICANTS MANUFACTURING

• Chain Bar Lubricant — A high-quality biodegradable bar and chain saw lubricant formulated with the best optimized biotechnology using American-grown natural seed oil that surpasses the lubricity of most conventional oils.

#### **FLUID SCIENCES, LLC**

**Soy-50 Chainlube** – An advanced agri-synthetic alternative to conventional mineral-oil-based chain and bar lubricant.

## INTERCHEM ENVIRONMENTAL, INC. Soyclean Penetrant and Lubricant

#### INTERNATIONAL LUBRICANTS, INC.

**Lubegard**® products are biobased lubricants that deliver superior performance utilizing soybean oil.

Currently recommended and endorsed by the largest transmission repair chains: AAMCO®, Cottman® and LeeMyles®.

**2-Cycle Oil LXE** – Acts as a regular 2-cycle oil as well as an engine and exhaust system re-conditioner.

**ATF Protectant** – Prevents overheating and reduces elevated operating temperatures. It also extends fluid life.

**ATF-Dexron/Mercon III** – Dramatically reduces friction on metal parts and internal components.

**Highly Friction Modified ATF** – Eliminates the need for multiple OEM fluids and is the number one tool used by professionals to adjust the frictional characteristics of an ATF to operate at its optimum.

**Lube 'N Loosen** – Lasts ten times longer than other lubricants and protects surfaces against rust and corrosion.

**Lube Chain Lubricant** – Provides outstanding protection from rust and corrosion and keeps cutting edges on chains sharp.

Valve and Assembly Lubricant – Protects all metals and has excellent rust prevention.

Nonsticking formula repels particles and does not have a harsh odor.

#### **IOSSO PRODUCTS**

Sizing Lubricant and Cleaner – A biodegradable, nonflammable lube and cleaner that works to eliminate stuck cases.

**Triple Action Oil Solution** – Cleans, lubricates and protects while penetrating to loosen powder, carbon and plastic wad. It works as an excellent lubricant for parts and inhibits corrosion.

#### NUTEK

 Bolt-Off – A green lubricant that helps reduce the friction that makes nuts and bolts hard to move. It penetrates rust and other corrosion in a fast-acting way, leaving a light film that aids movement between the surfaces.

Green Simply Soy™ Lubricating Cloth Wipes
Canister – BET0020 – A patented nontoxic
lubricating solution that is powerful enough to clean
rust from tools and is safe enough for use in
sensitive areas, such as food preparation areas,
schools and hospitals. Nutek Green products contain
no carcinogens, no VOCs, and are nontoxic.

#### **LUBEGARD**

International Lubricants states LUBEGARD® Automatic Transmission Fluid Protectant, made with soybean oil, is the number one

product used in the professional transmission rebuild industry, and the only product of its kind to be used and approved by major automobile manufacturers (OEM's).



**LubFIX** – Fixes annoying squeaks and creaks. Help lubricate all sticky surfaces. Removes stickers. Can be applied to any metal surface or mechanism.

 Shield It – Shields surfaces from rust, even under the toughest climate conditions. It is a dry lubricant that evaporates to leave a longlasting film that withstands weathering and corrosive agents.

**Simply Soy** – A 100 percent biolubricant made without any toxic chemistry.

# RENEWABLE LUBRICANTS, INC. BHHO Biodegradable Hydraulic Hoist Oil (ISO 32) – A biodegradable biobased formula

 Bio-80W90 Gear Oil GL-4 – Acts as a lubricant on a variety of surfaces.

that replaces mineral-oil-based hydraulic fluids.

- Bio-Air Tool Lubricant (ISO 32) Replaces
   petroleum-based air tools. It emulsifies water for
   improved lubricity in moist conditions and provides
   anti-misting.
- Bio-EP Gear Oil Recommended for lubricating spur, helical, bevel and worn gear configurations that are subject to heavy loading or shock loading and are designed for heavy-duty applications.
- Bio-Gearhead Oil GL-3 Used to reduce the speed of an irrigation engine to drive water well turbine pumps. It offers the protection advantages of the mild EP and anti-wear of an API "GL-3"type gear lube.
- Bio-Graphite E.P. Grease NLGI #1 –
   Specifically formulated for sliding surfaces and applications where extreme pressure exceeds the fluid film. It provides good anti-rust, anti-oxidation and anti-wear protection.
- Bio-High Temp 180 E.P. Grease NLG1 #2 A biodegradable grease that has high-viscosityindex base oil and lithium-complex thickener. It has excellent resistance to water and corrosion and outstanding performance in a wide temperature range.
- Bio-Penetrating Lubricant (BPL) A light lubricant in food processing equipment that is essentially odorless and tasteless. It provides a protective, thin film lubricant.

**Bio-Penetrating Lubricant (BPL) + MOLY** – A light lubricant that performs in many applications because of the super high viscosity index.

- Bio-Penetrating Lubricant (BPL) + MOLY + TACK – A biopenetrating lubricant plus Moly with tackifier that provides advantages in some applications such as high speed roller chains, cables and moving parts.
- Bio-Penetrating Lubricant (BPL) + TACK –
   A biopenetrating lubricant with food-grade tackifier that adds adhesive characteristics to the performance of the biopenetrating lubricant.
- Bio-TC-W 2-Cycle Engine Oil Especially designed to operate in water-cooled gasoline engines for the boating industry and in 2-cycle air-cooled engines for general-purpose equipment and for personal recreational transportation, such as motorcycles, snowmobiles, chain saws and lawn and garden equipment.

**Bio-TC-W3 2-Cycle Engine Oil** – Operates in water-cooled gasoline engines for the boating industry and in 2-cycle air-cooled engines for general-purpose equipment and for personal recreational transportation, such as motorcycles, snowmobiles, chain saws and lawn and garden equipment.

Bio-Valve Lube Gas Conditioner – Approved for off-road equipment and marine engine manufacturers. It reduces valve sear, ring and upper cylinder wear in engines that operate at high RPMs or under heavy loads. It helps prevent expensive repairs, increases fuel efficiency and is cost-efficient.

**Bio-Arctic Firearm Lubricant** – Lubricates in extreme subzero temperatures and prevents corrosion. It's a combination of biobased and synthetic base oils.

Bio-Blast Penetrant (Low Surface Tension) –
 A fast-acting penetrant that blows away rust and dirt. It is nonstaining to ferrous and nonferrous metals.

**Super High Performance Gear Oils** – Designed for gear drives and right-angle gear drives commonly used in food-processing equipment and is essentially odorless and tasteless.

Super High Performance Motor Oils – Made using the most advanced chemical technologies available for high-performance, heavy-duty turbo-charged and supercharged diesel and gasoline engines.

Super High Performance Transmission Fluids – An extreme-pressure product with long-life heat stability that offers the protection advantages of increased gear life through extremely high film strength and excellent low-temperature performance.

#### **RSC BIOSOLUTIONS**

- Envirologic 268 Biodegradable chain and sprocket oil.
- Envirologic 31 A multipurpose lubricant for use in the office, at home or on the farm.

**Envirologic 440** – A nontoxic two-cycle engine oil for use in air cooled engines.

 Envirologic 802 – A lithium complex that is designed to perform in environmentally sensitive applications in marine, marine construction, dredging, rail and offshore industries.

#### **SOYCLEAN**

- 5th Wheel LubePaste Formulated to provide an economical, high-performance lubricant for applications such as tractor-trailer surfaces or marine push plates. It provides anti-rust, anti-salt and anti-corrosion.
- Bar and Chain Lubricant A biodegradable bar and chain saw lubricant.

**Soyclean Penetrant and Lubricant** – Proven to have greater lubricity than WD-40 in laboratory tests conducted by NABL (National Ag-Based Lubricants Center).

#### TRI-FLOW®

**Tri-Flow Superior Soy™ Lubricant** – A soy-based lubricant for bicycles.

#### **ULTRA LUBE®**

All-purpose Lubricant and Penetrant – Eco-safe and nontoxic.

#### **USA SOY SOLUTIONS**

- Air Tool Oil A high-quality pneumatic tool and equipment lubricant.
- Chain Saw Bar and Chain Oil For bar and chain saw lubrication.
- Elm Penetrant Penetrates and loosens even the most corroded and rusty seized metal parts.
- Gear Oil 80W90 and ISO 460 Premium gear lubricants.
- Soygrease EP Premium #2460 A premium gear lubricant formulated with OptiBase™ oils, lithium-based thickener and extreme pressure additives for maximum performance.

Soylube All-Purpose Lubricant and Oil –
 A high-performance penetrant and lubricating oil for general-purpose use.

#### **WORKCELL SYSTEMS. INC.**

**Glysol™ PC** – A powerful biobased parts cleaning fluid derived from soybeans and other natural sources.

#### **ZEP SUPERIOR SOLUTIONS**

**ZEP 70** – A soy-based penetrating lubricant that uses a renewable soy solvent. It provides long-lasting lubrication, and has superior water-displacement properties.

#### **LAWN AND GARDEN**

#### OSM, INC.

**All-Purpose Plant Cuisine** – A plant food made with alfalfa, molasses, soybeans and other premium natural ingredients.

**Flower Cuisine** – A flower food that contains all three major nutrients that benefit plants and helps to build healthy soil.

**Veggie and Herb Cuisine** – A vegetable and herb food that is nonpolluting and nonburning and helps to grow high-quality, robust and healthy plants.

#### **SYNLAWN**

 Synlawn Artificial Turf – Turf made with technology utilizing soy polyols.



#### SYNLAWN

Did you know that in most homes across the country 50-70 percent of the household water consumption is used for outdoor irrigation? Replacing natural lawn with SYNLawn® creates a beautiful lawn without maintenance. It can also eliminate more than 50 percent of water consumption.

#### **MACHINERY**

#### **JOHN DEERE**

**Tractor Hood** – Soy-based plastic is used in tractor and combine hoods and exterior panels.



#### JOHN DEERE

Soy-checkoff-funded research that transformed soybean oil into polyols is used to produce plastic materials. John Deere began using the soy-based plastic for combine panels in 2001.

## PAINTS, COATINGS AND STAINS

#### CORTEC

**Ecoline 3220** – A 100 percent biobased and ready-to-use temporary coating. It has a tenacious film that clings to metal surfaces, providing excellent contact corrosion protection in storage and shipment.

**Ecoline 3690** – A biodegradable product that is 76 percent biobased and is nonhazardous and nontoxic. It provides excellent indoor and outdoor protection and provides corrosion protection.

#### **ECO SAFETY PRODUCTS, LLC**

**Acri-Soy** – Nontoxic penetrating clear concrete and wood sealer that is virtually odorless and protects against moisture, efflorescence, dusting, marring and stains.

**Eco-Tuff High-Traffic Flex Clear Wood Finish** – The world's leading environmentally compliant safety coating for floors. A high-traffic finish coating with superior durability, flexibility and safety.

Ecoprocote Soycrete Architectural Concrete
Stain – A specially formulated stain to add depth
and color to concrete surfaces.

**Ecoprocote Timbersoy Natural Wood Stain** – Soy-based stain that adds depth and color to wood surfaces.

#### FRANMAR

**Bean-E-Rid** – A mold and mildew treatment and preservative.

**Lead Out**<sup>™</sup> **Stain** – A paint remover made with soybeans that is nonhazardous and provides safe removal and inexpensive disposal.

#### **NEW CENTURY COATINGS**

**Agristain for Concrete** – A concrete stain that penetrates porous substrates like concrete, wood, leather and paper.

**Agristain for Fiber Cement** – A concrete stain for fiber concrete, wood, leather and paper.

**Agristain for Wood** – A concrete stain specially formulated for wood surfaces.

#### **RUST-OLEUM**

**Ultimate Polyurethane** – A water-based formula that is 33 percent more durable than the leading competitive product with superior adhesion resistance. It has maximum scratch resistance and dries in two hours.

Varathane® – A premium wood stain that penetrates up to twice as deep as competitive brands to reveal the beauty of natural wood grain. Apply to wood for long-lasting, translucent stain. Uses exclusive soya-oil base and anti-settling formula for better grain enhancement with less stirring during application.

**Varathane Diamond Floor** – A wood floor coating containing soy flour.



#### RUST-OLEUM

Rust-Oleum® introduced Varathane® clear soy polyurethane wood coating in 2009 and Ultimate Polyurethane®, a soy/acrylic urethane interior wood finish. in 2011.

#### **SHERWIN-WILLIAMS**

#### **Deckscapes Waterborne Semi-Transparent**

**Stain** – An environmentally friendly stain that provides a rich pigmented appearance and is scuff-resistant for very good protection on walking surfaces.

- Proclassic® Water-Based Acrylic Alkyd A tough and durable coating that enhances the look of doors, trim, cabinets and furniture. It has excellent adhesion, flow and leveling; is nonyellowing; and is environmentally friendly.
- PROMAR® 200 Water-Based Acrylic Alkyd A durable, smooth, high-performance finish with minimal environmental impact. It is recommended for interior application on primed plaster, wallboard, wood, masonry and primed metal.



#### SHERWIN-WILLIAMS

Sherwin-Williams® says it reduced more than 800,000 pounds of VOCs during production of its award-winning line of ProClassic and ProMar 200 water-based, acrylic alkyd paints created from soybean oil and recycled plastic bottles.

#### **SOYCLEAN**

Wolman DeckBrite Wood Cleaner – Cleans and restores decks and other weathered wood, and prepares new wood surfaces before sealing or staining. Its oxygen-activated, safe-to-use formula is ideal for wood decks, fences and all other exterior wood structures.

#### **SOY TECHNOLOGIES**

Soyanol™ 1000E – A water-based additive for paints and stains that is highly compatible with many chemistries, including most latex, acrylic and urethane emulsion systems. It is made with soy and helps develop high stability emulsions.

**Soyanol™ 5000X-TB** – A unique thinner base for use in compliant lacquer and paint thinner formulations. Made with soy and is available in multiple base formulations.

#### TIMBER OX, INC.

Timber Ox Green Wood Protectant Stain – An environmentally friendly stain that is agricultural-based and biobased. It restores and protects wood's natural beauty.

#### **PAINT STRIPPERS**

#### **BARCO PRODUCTS**

Paint Stripper – A powerful, biodegradable, soy-based paint stripper that is made with 100 percent all natural ingredients. It is safe and nontoxic and is an easy way to strip paint.

#### FRANMAR CHEMICAL, INC.

- Lead Out<sup>™</sup> Paint Stripper A biodegradable paint stripper that safely removes and encapsulates lead-based paint. It is nonhazardous and has inexpensive disposal.
- Soy Gel A biodegradable formula that is made with 100 percent American grown soybeans. It is a safe product to use to remove paint. It encapsulates the surface of furniture or floors in its thick gel, preventing lead or other hazardous particles from escaping into the air.

**Soy Strip** – A biodegradable product that is designed to remove antifouling paint and can remove multiple layers in one application.

#### **GRIFFIN INDUSTRIES**

Vesagen™ 100 - Methyl soyate industrial solvent

**Vesagen 100-D** – Low color, distilled methyl soyate industrial solvent

#### INTERCHEM ENVIRONMENTAL, LLC

**Soyclean Paint Stripper** – A natural soy-based nontoxic product for effective removal of paint, shellac, varnish and acrylic lacquer from furniture, auto, marine and most wood and metal surfacers.

#### MR. GOOD CHEM

Soy-Based Graffiti Remover – An environmental and user-friendly product that contains natural and biodegradable ingredients that quickly and easily remove paint, ink, crayon, magic marker and asphalt tar from a variety of surfaces, including brick, stone, wood, metal and cement.

#### **ORISON MARKETING, LLC**

 Soypower Paint Stripper – A soy-based stripper that loosens and removes varnish, laquers, latex and alkyd paints from furniture and other hard surfaces.

#### **SOYCLEAN**

- Adhesive and Mastic Remover A biobased product that safely and effectively removes adhesives, price stickers, lipstick, mastic, wax, decals, crayon marks, shoe polish, asphalt, gum, carpet glue and grease from most surfaces.
- Soyclean Paint Stripper A high-performance green alternative to traditional products. It removes lead and oil based paints, varnish, shellac and acrylic lacquer from almost any surface and does so with one application.

## SOY TECHNOLOGIES, LLC

Soygreen Products

- Enviroclear and Envirogel Paint Stripper An environmentally safe premium stripper formulated to remove layers of oil and latex paints, but will also remove many other coatings such as epoxies, urethanes and elastomeric and chlorinated rubber.
- Graffiti Remover A soy-based, nonflammable product that easily removes paint, ink, crayon, magic marker and adhesive residue from painted surfaces.
- Polystripper and Polyclear Paint Stripper –
  Cost-effective, biobased solvents specifically
  formulated to strip polyurethanes, paints and
  similar finishes. It is safe, nonflammable and
  biodegradable.

#### TAKE OFF, INC.

**Take Off Green** – A semi-paste varnish and paint remover made with soybeans.

#### TWIN CHEMICAL, INC.

Pronto Supersoy Gel – A soy-based gel that is designed and formulated to remove multiple layers of paint. It is versatile and will cling to vertical surfaces as well as ceilings but will also fill detailed and intricate grooved or carved areas so that paint removal can be complete.

## PERSONAL CARE PRODUCTS



#### **FRESH**

Fresh founders spent a few years researching natural ingredients and introduced the Soy Collection to the beauty market in 1999.

#### **BARCO PRODUCTS**

**Heavy-Duty Hand Cleaner** – A nontoxic hand cleaner that is all natural, nonflammable and biodegradable. It is great for tradesmen, mechanics, factory workers, farm workers, painters and plumbers.

#### **BIOSPAN TECHNOLOGIES**

 HR3700 Hand Cleaner – Soy-based hand cleaner that handles tough jobs.

#### **EARTH SCIENCE NATURALS**

Ade Creamy Cleanser – A cleanser made with soybeans to cleanse the skin and remove makeup and impurities without using dry soaps. It moisturizes while it cleanses to keep skin soft with no greasy feelings.

**Active Age Defense** – Facial products made with soy that contribute to fresher, softer and younger-looking skin. All-natural products.

Apricot Night Cream — A night cream made with soy designed to offer skin the nourishment it needs. It soothes and extracts, which helps to restore and maintain the appearance of healthy, youthful-looking skin.

Fragrance-free Hair Conditioner – A 100 percent fragrance free conditioner made with soy. It revitalizes the natural structure of hair while adding body and shine. It is extra gentle for sensitive hair and scalp.

I-Cream – An eye cream made with soy that is designed to protect the skin from the appearance of premature aging. It brightens, restores and renews the delicate skin around the eyes.

**Men's Face and Body Skin-Care Balm** – A balm made with soy designed especially for men. It provides relief for dry skin and acts as a moisturizer.

Men's Herbal Aftershave Skin Soother -

An aftershave for men that soothes, cools and relieves skin without stinging alcohols. It also contains all-natural moisturizers and skin soothers.

**Placentagen Eye and Throat Cream** – A cream that rejuvenates skin and nourishes aging and depleted skin cells.

**Purfection Hand Cream** – A hand cream that is rich in vitamins C and E, aloe vera, shea butter and jojoba. It soothes and softens hands.

#### FRANMAR CHEMICAL, INC.

**Hand Sanitizer** – A hand sanitizer that offers the protection of soy and aloe.

**Series 8** – A cream that acts as an invisible glove. It protects hands and nails from staining.

 Soy Scrub – A hand cleaner that cleans the grimiest of hands. Made with American grown soybeans and finely ground Missouri pumice for extra cleaning power.

**Soy Smooth** – A smooth-as-silk hand lotion that is nongreasy and made with soy protein fortified with vitamin E and aloe.

#### **FRESH**

**Soy Face Cleanser** – An extra-gentle gel cleanser for all skin types that instantly whisks away everyday impurities and makeup.

**Soy Shampoo** – A moisturizing formula for all hair types fortified with protein-rich soy and stimulating ginseng root to nourish and improve texture.

**Soy Face Exfoliant** – An ultra-gentle form of natural microdermabrasion for all skin types that resurfaces and refines the complexion.

**Soy Face Serum** – A potent blend of age-delaying ingredients that firms and hydrates all skin types.

**Soy Moisturizing Cream** – A daily moisturizer for all skin types that instantly hydrates and revives the skin.

#### **GEMTEK**

**AS-Adult Shampoo** – A formula that cleans and conditions hair without stripping it. It does not include sulfonics, caustics, fragrances, builders or reagents.

**AS-Glycerin Bath Bar** – A luxurious bath bar that leaves skin feeling silky smooth and thoroughly clean without using harsh sulfonics or tallow that can clog pores.

**AS-Bath and Body Wash** – A neutral pH concentrated body wash that contains no dyes or fragrances, caustics, tallow, sulfonics or other toxic ingredients. Provides excellent soil release and is hypoallergenic.

AS-Liquid Hand Cleaner – A cleaner that safely removes organic soils including the toughest automotive lubricants without caustics or toxic solvents. It will not irritate skin and does not contain dye or fragrances.

 SC-Heavy-Duty Hand Cleaner – A cleaner made with 100 percent plant-based ingredients. It removes tough mechanic soils including lubricants and greases without caustic chemicals or abrasive additives.

#### **GOJO INDUSTRIES**

**Ecosoy** – A cleaner that gently and effectively removes moderate soils with or without water in a foam formula that cleans better than a light duty soap.

#### **HONEYBEE GARDENS**

**Alcohol-Free Hair Spray** – A natural vegetarian hairspray that contains no alcohol that would dry hair. The soy-based spray is lacquer-free and does not use a propellant.

#### LOTUS LIGHT ENTERPRISES, INC.

Derma E Papaya and Soy Milk Facial Cleaner – A cleanser made with pure botanical extracts and natural foaming agents to thoroughly lift makeup and excess oil from skin. Soy milk helps restore skin's smooth texture while preventing dehydration.

#### **MIA BELLA'S SOY CANDLES**

**Bella Hand Wash** – A soap that moisturizes as it cleans. Contains a water soluble conditioner with added vitamin E and soy protein.

**Soysational Bella Bar** – A bar made with soy that can be used to shave and shampoo as well as cleanse the body.

#### NATURE'S GATE

**Bar Soap** – A vegetable-based, triple-milled bar soap that gently cleanses without drying the skin. It pampers the body and leaves skin feeling clean smooth and soft.

**Fragrance-Free Deodorant** – A deodorant that is effective in controlling odor-causing bacteria. It is natural and biodegradable.

#### **ORIGINS**

**Balanced Diet Lightweight Moisture Lotion** – A lightweight moisturizer made with plant extracts that softens and soothes skin.

**Balancing Tonic** – A tingly-cool tonic that retexturizes skin. It is made with soy protein that protects and moisturizes to keep skin at proper pH.

**Calm to Your Senses** – A calming soybean oil that softens, soothes and smoothes skin.

**Ginger Cloud** – A smoothing body balm made with soybean oil. It nourishes and protects skin.

#### **SEPHORA**

#### PhytoSpecific PhytoRelaxer Index 2 -

A revolutionary, gentle, hydroxide-free treatment that relaxes coarse and resistant hair safely and effectively without the use of harsh chemicals. The egg and soy-based formula is odorless and does not contain lye.

#### **SOYA SYSTEMS, INC.**

**Finishing Spray** – A finishing spray that contains soya protein to leave hair smooth without being sticky or stiff.

**Shampoo for Dry Hair** – Formulated with all-natural ingredients to prevent flaking and dryness. It contains soya protein that penetrates damaged hair.

**Shampoo for Normal Hair** – Designed for normal-to-oily hair.

**Deep Cleansing Shampoo** – Formulated with all-natural ingredients for oily skin and hair. It acts as a skin and facial cleanser.

**Moisturizer Conditioner** – Restores lost emollients, pliability and sheen to hair shafts.

#### **SOY CANDLEWORKS**

**Homemade Soap** – Glycerin combines with natural vitamins A and E in soy to promote healthy skin. Does not contain salt. Available in a variety of scents.

**Lipsoy** – Lip balm.

**Soy Lotion** – Hand and body lotion available in many scents.

#### SOYCLEAN

 Natural Soy Bio-Clean Heavy-Duty Cleaner and Moisturizer – A corn- and soy-based hand cleaner that is tough on oil, grease and grime, but easy on skin.

#### SOYSOFT

**Skincare Products** – Feature a unique, nonsolvent process that expels and processes soy lipids while preserving the vital benefits of vitamin E, lecithin and essential fatty acids in the soybean.

#### **SOY TECHNOLOGIES**

Soyanol™ NPR-6 – A nail lacquer remover and treatment made with soy that removes all nail lacquers quickly and delivers a high-powered blend of nutrients.

**Soyanol Cuticle Oil** – A healthy treatment system for nails.

 Soyderm Waterless Hand Cleaner and Conditioner – A waterless hand cleaner and conditioner that is made from natural ingredients, including soy.

#### SPARTAN CHEMICAL COMPANY INC. Biorenewable Lite 'N' Foamy Sunflower

Fresh – A biobased foaming hand, hair and body wash formulated with ingredients made from renewable resources.

 Biorenewable Waterless Hand Cleaner –
 A hand cleaner formulated with a soybean solvent base to remove heavy-duty soils safely and easily.

#### THE CLEAN ENVIRONMENT COMPANY

**N-12 Handsoap with Soy** – A naturally derived hand soap made primarily from natural resources. It is nonirritating and very gentle.

#### **RECREATION**

#### **ASTROTURF**

**AstroTurf** – Artificial grass made with soy-based backing.



#### ASTROTURF

Bio-Cel™ technology, developed by Universal Textile Technologies with support from the soy checkoff, replaces petroleum-based ingredients with soy-based polyols (produced with U.S. soybean oil as an ingredient) to manufacture the AstroTurf backing system. Water does not affect the backing. The system also withstands football cleats, which makes this new use for soybean oil a popular choice for sports facilities.



## REAL ACTION PAINTBALL, INC.

Eco-Friendly Field Paintballs, from Real Action Paintball Inc. (RAP4), contain fill that partially replaces polyethylene glycol with U.S. soybean oil. The new paintballs are easy on the environment and safe to use around wildlife and water sources, and they have uniformity, marking characteristics and ballistics similar to traditional paintballs.

## REAL ACTION PAINTBALL, INC. RAP 4 Eco Friendly Field Paintballs –

Soy oil partially replaces polyethylene glycol to protect the environment.

## SEALANTS AND SURFACTANTS

#### **BARCO PRODUCTS**

**Wood Sealer and Waterproofer** – A nontoxic wood sealer and waterproofer that is all natural, nonflammable and biodegradable. It is soy-based.

#### **BIOSPAN TECHNOLOGIES**

RePLAY™ Asphalt Sealant — An agricultural oil seal and preservation agent that extends the life of paved asphalt surfaces when applied every 3-5 years. The 88 percent biobased solution is easily applied and works deep into the asphalt matrix. There is no need to restripe with RePLAY. It also helps maintain skid resistance.

#### SOYCLEAN

Soyguard Premium Water Repellant and Wood Sealer – A soy-based finish that is pressure-treated for lumber products. It protects exterior wood against water, swelling, warping and weathering.

Soyseal Concrete Sealer and Waterproofer – Seals and waterproofs concrete and other masonry products.

Soyseal Wood Sealer and Waterproofer –
A high-performance green alternative to traditional products. It is a soy-based sealer for all wood, decks and docks.



Using biobased products in the operation and maintenance of existing buildings and newly constructed and renovated facilities offers opportunities to earn credits toward LEED certification.

The LEED Green Building Rating System<sup>™</sup> was developed by the U.S. Green **Building Council (USGBC)** www.usgbc.org. This internationally recognized green building certification system provides third-party verification that a building or community was designed and built using environmentally sound strategies. LEED ratings are based on: energy savings, water efficiency, CO<sub>2</sub> emissions reduction, improved indoor environmental quality, and stewardship of resources and sensitivity to their impacts.

#### **ADHESIVES**

#### ADCO CORP.

Millenium One Step™ Green Insulation Adhesive — A highly elastomeric, one-step, all-purpose, foamable adhesive that contains no solvents, sets in minutes, and is designed for use with ADCO's patented application process.

#### **APPLIED PROTEIN SYSTEMS**

**PSA64MA Textile Cone Adhesive** – Replaces petroleum-based polymers with an environmentally sustainable material that is strong, heat resistant and cold-water soluble.

#### **ASHLAND**

Soyad™ Co-Adhesives – The system of choice for industry-leading manufacturers who want to stay ahead of formaldehyde regulations and help improve indoor air quality.

#### **H.B. FULLER**

**Liquamelt® Adhesive and Equipment System** – Used for packaging, this liquid, rapid-set material is formulated with soybean derivatives and is a "cool-on-delivery, hot-on-demand" adhesive system.

#### **STATES INDUSTRIES**

**Elemental** – A soy-based wood composite adhesive that is formaldehyde-free.

#### W.F. TAYLOR

Meta-Tec® Products – Creates a permanent bond that, when fully cured, is waterproof, extremely strong, and environmentally friendly. Meta-Tec® products are one-part formulations that replace and out perform more costly epoxy, urethane, and acrylic adhesives and are easy to use, easy to clean up, and very installer-friendly.

There are eleven soy-based adhesive products for floor covering installations:

Meta-Tec® Floor Covering Adhesives (2020, 2071, 2081, 2082, 2083, 2084, 2089, 2090, 2091); Meta-Tec® MS-Plus® Resilient™ MBA®; Meta-Tec® MS-Plus® Advance™

## AGRICULTURAL ADJUVANTS

#### ARCHER PETROLEUM.

**Soy Spray** – High-quality crop-based oil for use in post emergence spray applications.

#### **CENDAK (formerly AGRILIANCE)**

**Class Destiny** – Used with postemergence products that recommend the use of a crop oil concentrate or methylated vegetable oil.

**Preference** – Used with postemergence products that recommend using a nonionic surfactant. It is the first nonionic to replace a significant portion of its petroleum-based active ingredient with a crop derivative.

**Rivet** – MSO silicone adjuvant and nonionic silicone wetter that enhances the consistency of certain postemergent herbicides for corn, cotton, soybeans and sorghum.

#### **HELENA CHEMICAL COMPANY**

**Aero Dyne-Amic** – A proprietary formulation of surfactants, oils, emulsifiers and buffering agents specifically designed for use with insecticides and fungicides.

**Barrage HF** – An enhanced ester broadleaf herbicide that offers faster performance, low volatility and easier application.

**Dyne-A-Pak** – Multicomponent adjuvant providing methylated seed oil and nitrogen fertilizer solutions.

**Dyne-Amic** – A blend of methylated seed oils and organosilicone-based surfactants that delivers coverage comparable to nonionic surfactants with the physical properties of a crop oil concentrate.

**Joint Venture** – A blend of nonionic surfactants and esterified fatty acids. Designed for use with insecticides, fungicides and miticides.

**Methylated Spray Oil Concentrate** – A blend of methylated oils and nonionic surfactants for use where an oil concentrate is recommended.

**Soy-Dex** – Vegetable oil formulated from a blend of soybean and nonionic surfactants designed to maximize the performance of pesticides.

**Transcend** – A micro-emulsifying, buffered oil/silicone adjuvant for low-volume ground application.

**Vegetable Oil Concentrate** – A blend of refined vegetable oils and nonionic surfactants that maximize the performance of pesticides.

**Wild Card** – A broadleaf herbicide alternative to 2,4-D in cereal crops.



## CLEANING SUPPLIES AND DEODORIZERS

#### **AMERICAN COATINGS CORPORATION**

**Nobee-300** – An alternative to solvent-based cleaning formulations for mastic removal and as a general industrial cleaner for grease, adhesives and tars or asphalt. Essentially odor-free, with a flashpoint greater than 300 degrees Fahrenheit.

#### ATAGENCER LLC

Industrial soy-based solvents and cleaners for the removal of tar, grease, oil, ink, graffiti and paint.

#### **ATHEA LABORATORIES**

Pure EZ Degreaser – A safe alternative to hazardous petroleum-based degreasers or harsh alkaline cleaners. Combines d-limonene and soy to dissolve the heaviest grease deposits. Ideal for use on concrete, masonry, machinery, motors, equipment, metal parts, parts washers, fabric, rugs and upholstery.

#### **BI-O-KLEEN INDUSTRIES, INC.**

Citrus Soy Solvent – A multipurpose cleaning solvent made with soybean oil extract to make it a much safer and natural alternative. Nonflammable, noncombustible and gentle to skin. It dissolves gum, wax, paint, adhesives, tar and more.

**P.O.G.** – Paint, oil and gum solvent.

**Soy Cream Cleaner** – A cleaner that effectively shines, cleans and protects many surfaces without scratching and without toxic chemicals. It's safe for linoleum, porcelain, chrome, stovetops, sinks, countertops, tub and tile, grout and more.

**Soy Toilet Scrub** – A toilet cleaner made from soybean oil extract, natural volcanic perlite and grapefruit seed extract. It is natural, nontoxic and gentle.

#### **BIOSPAN TECHNOLOGIES**

Alkaline Cleaner™ – An all-in-one cleaner/ degreaser concentrate. It has a high pH with FREE alkalinity. Use it for degreasing, protein removal or fat/lipid removal.

First Choice™ Non-alkaline Cleaner – A highly concentrated liquid formulated to clean washable, nonporous hard surfaces by dissolving and/or emulsifying the soils.

• GR-3690™ Graffiti Remover – Formulated to chemically remove pencil, pen, asphalt and other soils from nonporous surfaces. This product is safe for the user and for the environment. It is biodegradable and nontoxic. May also be used in parts washers as a heavy-duty degreaser/cleaner.

- → HR3700<sup>™</sup> Waterless Hand Cleaner Waterless hand cleaner. It is gentle on skin, but tough enough to cut through grease, oil and other materials.
- MG Degreaser™ Formulated to remove medium to heavy soils with mechanical cleaning equipment, high/low pressure spray, or manual cleaning. It is USDA approved Category A-1. Use it in high-pressure washers, soaking baths, low-pressure spray, spot degreasing, steam cleaning, ultrasonic tanks, parts washing, or floor scrubbing. It dissolves oil, dirt, grease, and organic compounds. It is safe to use on all washable surfaces including metals, glass, vinyl, plastic, sealed concrete and ceramic tile.

Neutral Cleaner™ Concentrate – An excellent, economical all-purpose cleaner. It is true neutral pH: 7.0000 pH. Use it on metals, glass, plastics, and composites. It is safe for all nonporous washable surfaces. Neutral Cleaner can be used in manual cleaning or in high/low-pressure mechanical washing.

#### **CENDAK**

**Barrier** – Pour into manure pits to create a seal between the manure and air. Hydrogen sulfide emissions are reduced by up to 75 percent. Reduces ammonia emissions by up to 40 percent.

#### CHEMISPHERE CORP.

Mast Away MA-99 – Designed for use on almost every mastic removal job. With almost no odor, MA-99 can be used in occupied buildings, and it has a flash point over 400 degrees! MA-99 works quickly to remove mastic found under vinyl asbestos tile (VAT), vinyl composite tile (VCT), ceramic tile, and even on the really tough yellow or tan mastics used to glue down carpet.

#### **CORTEC CORPORATION**

Ecoline® Surface Cleaner and Degreaser – A full-strength, industrial-grade surface cleaner and degreaser. Dilutable with water up to 1:1, can be used in both industrial and commercial applications. Specially designed for environmental and safety characteristics, the heavy duty cleaner has a nearly neutral pH so no special safety equipment is required during use.

#### CPC AEROSCIENCE, INC.

Degreaser and Deodorant – Complies with V.O.C. guidelines. The safest alternative to using chlorinated solvents for degreasing metal surfaces. Heavy flushing action quickly dissolves and removes grease, grime, and oil. High-pressure spray penetrates, loosens and lifts contaminants away. Parts can air dry leaving negligible residue, or be rinsed with water.

#### DACON

Citra-D – A ready-to-use, citrus cleaner and degreaser. It quickly dissolves grease, grime, oil, wax, dirt, ink, resin, carbon soot and soap scum.

**Graffiti-B-Gone Gel** – Formulated to aid in the quick removal of unsightly graffiti. It is a highly-alkali gel that may be applied to vertical surfaces to loosen any graffiti. Graffiti-B-Gone Gel is methylene chloride free

#### **DESILUBE TECHNOLOGY**

 Desiclean 1000 – A vegetable-oil-based cleaner/ degreaser designed for multipurpose uses. It can be applied by dipping, spraying and brushing.

## EARTH FRIENDLY PRODUCTS Stainless Steel Cleaner and Polish Graffiti Remover

#### **ECO SAFETY PRODUCTS, LLC**

Ecoprocote Soy-It All-Purpose Degreaser – Replaces highly volatile products such as petrochemical-based products, mineral spirits, d'limonene and naphtha. It is a high- performance industrial cleaner/degreaser that is biobased, nonflammable and nontoxic and is very low in VOC. A safe and effective solution for automotive, aircraft, agricultural and marine cleaning and general degreasing operations. May be used to prepare substrate surfaces for painting, sealing, or application of other coating finishes.

## ENVIRONMENTAL LUBRICANTS MANUFACTURING

Waterless Hand Cleaner

**Hand Soap** 

**Hand Cleaner Lotion** 

**ELM General-Purpose Cleaner** 

**ELM Water-Based HD Cleaner** 

**HD Engine Degreaser** 

**ELM Tire Cleaner** 

**ELM Paint and Graffiti Remover** 

**ELM No-Flash Paint Remover** 

#### **EOS® REMEDIATION, LLC**

**EOS** – Emulsified oil products that are engineered to optimize subsurface conditions that promote anaerobic bioremediation. EOS technologies are suitable for remediating chlorinated solvents, perchlorate, energetics and oxidized metals.

#### FLOTEK INDUSTRIES

**ECO-300**<sup>TM</sup>, **MFS-Green**<sup>TM</sup> – Oil storage tank cleaners.

#### FRANMAR CHEMICAL. INC.

Aquawash – Cleans all types of water-based inks, including discharge inks, and even works as a screen opener while still on the press. Virtually no odor, 100 percent biodegradable, drain safe and no caustics.

Bean-e-doo® Parts Washer – An extremely effective parts cleaner for any shop. Meets all regulations for VOC's and vapor pressures. With a flash point of over 400 degrees F, it can be used hot or cold safely.

**ColorWash** – Cleans as efficiently as chemicals such as methylene chloride without environmental or safety hazards.

**Emerge** – All-purpose concentrated cleaner for hard surfaces. Cleans oil, grease, dirt and grime from asphalt, concrete, metal and painted walls.

**Greeneway** – Environmentally safe ink cleaner designed for recirculation tanks. Can be diluted up to 50 percent with water.

Paint-Away – Removes paint overspray and thin paint coatings from a multitude of surfaces. Made with soybeans and citrus oil, Paint-Away is 100 percent biodegradable, will not burn the skin, meets current VOC regulations across the U.S. and Canada, and has a pleasant citrus scent.

Poly•U™ – An industrial-strength polyurethane adhesive remover made with 100 percent American-grown soybeans. Use on pre-engineered wood floors, UV finished wood floors or concrete substrates. Works without harsh odors and is nontoxic, nonhazardous, 100 percent biodegradable and safe to use indoors. Gel formula makes it easy to apply and easily cleans up with water. No neutralizing is needed.

Soy Scrub™ – An effective hand scrubber made from American grown soybeans and finely ground Missouri pumice for extra cleaning power.

#### **GEMTEK**

SAFE CARE® products offer the industrial user powerful and effective cleaners, degreasers, solvents and specialty products without the environmental or personal hazards associated with traditional, toxic chemistries. Safe to use, store and dispose of, they comply with all applicable OSHA, SARA, SNAP, USEPA and USDA regulations for safety. Highly filterable and reusable, they will not damage the cleaning surface or react with other chemistries that are compatible with water and include:

**1000 Aqueous Cleaner Concentrate** 

2000 All-Purpose Cleaner

**Aircraft and Metal Cleaner** 

Carpet and Upholstery Spotter and Shampoo

**EZ Solv™ Safety Solvent** 

Floor and Tile Cleaner

Glycerin Bath Bar — Nontoxic, noncarcinogenic, biodegradable glycerin bars are made of a SC-1000 soy-based aqueous nonionic surfactant system that is used in a variety of industrial applications, yet has an INCI listing for facial cleaning. Removes tough soils like petroleum, asphalt tar, latex paint, inks, grass, blood and wine without harsh detergents or oxidizers, leaving skin smooth and fully hydrated.

- Graffiti, Tar and Gum Remover
- Heavy Duty Hand Cleaner

**Laundry Stain Remover and Pre-soak** 

- Magic Pan Hand Dishwashing Liquid
   Maxisolv™
- More Than Glass™ Cleaner
   Multi-Surface Cleaner
   Odor-Ex® Cleaning Deodorizer
   Odor-Ex® Odor Neutralizer
- OmniBrite Acid Cleaner
- OmniBrite Alkaline Cleaner
- Oven and Grill Cleaner

**Premium Laundry Detergent** 

**Presolv Ink Remover** 

Stainless Steel Cleaner

SuperSolv Safety Solvent

#### **GLOBAL BARRIER COATINGS**

**Mining Release Agent** – Eliminates or greatly reduces buildup from truck beds and equipment.

#### **GOJO INDUSTRIES**

EcoSoy – Foam hand cleaner gently and effectively removes light to medium soils from hard working hands. The foaming action cleans better than a general restroom soap but is not as aggressive as a heavy-duty gritted formula. Cleaning is powered by soy, a renewable, natural resource. The grit-free foam formula with an invigorating fresh scent leaves skin feeling clean and refreshed.

#### HAMPEL OIL DISTRIBUTORS

Patriot Power Plus 30 – Industrial cleaner that is water-rinsable. For parts cleaning, degreasing, graffiti removal and concrete floor cleaning.

Also used as a penetrant and rust preventative.

Readily biodegradable.

#### **IOSSO PRODUCTS**

**Bore Cleaner** – Concentrated paste that lasts longer and takes less time to clean than ordinary liquid or aerosol cleaners. Noncorrosive, nonflammable with no offensive odors or rust.

Safe-T-Solve Industrial Strength – Fast-acting, water-based, petroleum-free cleaner with a high flashpoint and low VOC. EPA registration is not required. Removes cutting fluids, petroleum residue, road tar, graffiti, chewing gum and more.

#### **MR. GOOD CHEM**

**Tuff Towels** – Disposible wipes containing Mr. Good Chem Graffiti Remover.

**Graffiti Remover** – Liquid spray removes paint, ink, crayon, magic marker and tar from a variety of surfaces. Great for use on buses, trains and racquetball courts.

#### **NEW CENTURY COATINGS**

**Agrisolv** – Removes oil, grease and adhesives from concrete surfaces and automobile parts.

#### ORISON MARKETING, LLC

**E-Z Safe Solutions All-Purpose Cleaner** – Concentrated, all-purpose cleaner.

SC-Aircraft and Metal Cleaner<sup>™</sup> – A Mil C 87937D, TYPE IV QPL-listed biobased surface release agent for wash rack and spot cleaning of military and commercial aircraft.

#### PHASE III, INC.

California Parts Washer – Liquid concentrate cleaner and degreaser. Biodegradable, pH 7-8 in concentrated form. Rinses film-free. Less than 50 g/L volatile organic compounds in dilution as tested by California South Coast Air Quality Management District.

Eliminator – Industrial-strength concentrate formulated to remove common soils, grease, oil, dirt, wax, gum, dye, inks, carbon, smoke and exhaust stains. Safe for use on metal, plastic, rubber, porcelain, concrete and wood surfaces.

**Speed Release** – Removes heavy greases, oils, paints and adhesives and cleans silk-screening equipment and tools. Acts as a protective film for metal rust prevention.

#### RENEWABLE LUBRICANTS. INC.

- Bio-Cleaner/Degreaser (Plus Corrosion Protection) – Can be used to replace petroleum solvents for cleaning parts and equipment. This safe, nonflammable product contains no volatile organic compounds (VOCs), and has been formulated with anti-oxidants and corrosion inhibitors for improved stability.
- Bio-General-Purpose Cleaner/Degreaser –
   A safe, nonflammable product that contains no hazardous volatile organic compounds (VOCs).

   Excellent electrical insulating value. May be used as a straight solution or may be solubilized with water before use.
- Bio-Soy Orange<sup>™</sup> All-Purpose Degreaser/ Cleaner – Biobased, biodegradable degreaser/ cleaner that is a safe improvement over petroleum solvents.

#### **SO CLEAN SOLUTIONS**

**Multipurpose Cleaner** – Nontoxic and cuts grease and grime. Cleans a variety of surfaces from countertops to machinery and tools. Leaves a fresh citrus scent.

#### **SOLVENT SYSTEMS INTERNATIONAL**

 Hero Biobased Floor Cleaner – Can be used in automatic floor cleaners or with manual mopping.
 Hero cleans with plant power while alleviating disposal problems. It has a Readily Disposal rating and is municipal-sewer-system friendly.

#### **SOY CLEAN**

Bathroom Tub and Tile Cleaner – Rapidly cleans and removes soap scum, lime, scale and body oil deposits from shower walls and doors, sinks, ceramic tile, fiberglass, vinyl, porcelain and stainless steel. Deodorizes as it cleans. Acid free. May be sprayed without generating noxious fumes.

- BBQ and Grill Cleaner Tested by the Wall Street Journal and determined to be the most effective product, even compared to traditional, toxic products.
- Glass and Window Cleaner Nontoxic and streak-free surface cleaner. It provides impressive results on windows, mirrors, stainless steel, chrome, and any nonporous surface that harbors finger prints, dirt, smudges, etc. Leaves a clean, fresh vanilla scent.

**Graffiti Remover** – Removes graffiti, ink, marker and paint (including black and silver) from almost any surfaces. Rinses clean with water.

Hard Surface Stain Remover – Nontoxic product for cleaning oil, ink, gum, tar, scuff marks, nail polish and other stains from hard surfaces.

Nonflammable, cleans with soap and water.

Heavy-Duty Degreaser (concentrate) -

An alkaline, water-dilutable, heavy-duty green cleaner/degreaser. Contains natural solvents, wetting agent, and alkaline detergents. Removes automotive, industrial and kitchen soils/oils instantly. Works in both hot and cold water. Replaces toxic, Butyl-based cleaners. Inhibits corrosion to metal and has multiple uses.

Soypower Asphalt Release Concentrate –
Provides outstanding slipping and release
properties. Biodegradable. Helps meet regulatory
compliance goals without sacrificing performance.
Can be used in concentrated form for cleaning

asphalt equipment and tools.

Stinky Pee Eater – Effectively breaks down and digests blockages and buildups in pipes to keep them free running. Breaks down and dissolves starches, blood, urine, feces, carbohydrates, fats, oils, greases, detergents, many toxic wastes, poisons, odors, nicotine, and grass stains on fabric and carpet.

Wolman DeckBrite Wood Cleaner – Clean and restore decks and other weathered wood, or prepare new wood surfaces before sealing or staining. Its oxygen-activated, safe-to-use formula is ideal for wood decks, fences and all other exterior wood structures.

#### **SOYSAFE PRODUCTS, INC.**

SoySafe™ Heavy-Duty Hand Cleaner – Nontoxic hand cleaner is all-natural, nonflammable and certified biodegradable. Contains vitamin E and no pumice. Not available for customers located in California.

#### SOYSOLV

SOYsolv® – Made from 100 percent soybean oil. Tested and proven to be a safe, effective and powerful product for use in many applications, including as a lubricating cleaner, asphalt release, grease and oil cleanup, for mastic and adhesive removal, tar and asphalt removal, rubber compound cleaning and welding cleanup.

#### **SOY TECHNOLOGIES, LLC**

Biobased solvents are soy-based blends formulated to replace many common terpene and petrochemical-based products including mineral spirits, d-limonene, naphtha and toluene. SoyGreen® Bio-Solvents – SG1000 is designed for metal cleaning and polishing; SG5000 has the same chemistry but is more aggressive for paint removal, ink cleanup and mastic removal; SG6000 is a thickened version of SG5000 for vertical applications.

#### SoyStop™ Anti-Graffiti Barrier System

- SoyFast™ All-Purpose Cleaner A clear, soy-based, nontoxic, biodegradable formula with incredible grease-cutting power, yet containing no butyls, abrasives or strong alkalines.
- SoyDerm® Waterless Hand Cleaners

#### SPARTAN CHEMICAL COMPANY, INC.

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

BioRenewables Industrial Degreaser – 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.

#### SPRAYON

Sprayon® CD™ 406 Eco-Grade™ Soy

Degreaser – A unique soy-based solvent blend
that quickly penetrates and loosens a variety
of industrial soils. Formulated to replace many
common terpene and petrochemical-based
products.

#### THE CLEAN ENVIRONMENT COMPANY

C-3 Cycle-Solv – All-purpose solvent for replacement of CFCs. Penetrates rapidly. Controlled evaporation. Use as a solvent spotter for carpets, industrial wipe, vapor degreaser, parts wash, or wherever very hazardous solvents must be replaced.

**C-54 Graffiti Remover** – Soy solvent ingredients are safe for the environment yet effective at removing most paints.

#### TWIN CHEMICAL, INC.

**Envirosafe** – Soy-based mastic remover.

**Pronto Supersoy for Wood Floors** 

## TTI FLOOR CARE NORTH AMERICA (formerly Nutek)

Simply Soy™ - Cleaner and lubricant.

**Grime Off**<sup>TM</sup> – Cleaner and degreaser.

#### **VERTEC BIOSOLVENTS, INC.**

**Ink Zapper** – Soy-based press and blanket wash.

 Vertec Gold – Patented industrial solvent based on a blend of methyl soyate and corn ethyl lactate.

#### **WORKCELL SYSTEMS, INC.**

• Glysol Parts Cleaning Fluids – Replaces mineral spirits in solvent-type parts washers. Cleans heavy grease, oils, dirt, carbon and some coatings. Glysol SA semi-aqueous formula cleans solventand water-soluble soils and rinses cleanly with plain water.

#### **ZEP MANUFACTURING**

Shell Shock Heavy-Duty Hand Cleaner –
 Soy-based industrial strength hand cleaner.

#### **CONCRETE SUPPLIES**

#### **ARCHER PETROLEUM**

**Quick Release** – Nonpetrochemical, biodegradable asphalt release agent that works as a diesel fuel. Nontoxic, environmentally friendly material made of soybean oil.

#### ATAGENCER, LLC

**Soy Form Releases** – Release agent for concrete forms. Water-based, nontoxic, sprayable, with soap and water cleanup. VOC-compliant.

**Soy-based Concrete Seals** – Release agents for concrete forms and seals. Nontoxic, sprayable, water-based. VOC-compliant.

**SoySeal** – Concrete sealer, deck sealer and waterproofer.

#### **BIOSPAN TECHNOLOGIES**

C-Cure® Concrete Curing Agent – Formulated to provide smooth, completely clear curing concrete. C-Cure is nontoxic, environmentally friendly, and safe on all surfaces. When used according to the directions, it will form an integral clear microscopic film on the wet concrete surface, thus retarding evaporation and allowing for a better, more complete cure.

Concrete Truck Cleaner – Environmentally safe alternative to using dangerous muriatic acid cleaners on concrete trucks. It is safe on metal surfaces and removes the concrete without bleaching the substrate or etching truck surfaces.

C-PATCH — Can be used everywhere exposed concrete is present and needs repair. It bonds to any clean concrete surface and is ready for 18-wheel traffic after three to four hours. C-Patch uses a patented fiberglass-reinforced concrete formulation that makes it extremely strong, yet lightweight and durable.

FR-4400<sup>™</sup> – A patented biodegradable form release agent. It works on metal, wooden and fiberglass forms, and also helps retard corrosion.

#### CORTEC

MCI Ecocure – Surface-applied soy-based curing agent/sealer containing migrating corrosion inhibitors (MCIs). Designed to retain the hydration water in freshly worked concrete, repel water and help prevent the scaling of the concrete surface brought on by freeze/thaw cycles. Provides protection to embedded reinforcement.

#### **ECO SAFETY PRODUCTS, LLC**

 Acri-Soy – Nontoxic penetrating clear concrete and wood sealer that is virtually odorless and protects against moisture, efflorescence, dusting, marring and stains.

Eco Procote Architectural Soy Concrete Stain – A nontoxic soy-based semitransparent penetrating concrete stain that is virtually odorless. Creates beautiful natural color variations unique to each surface, similar to acid stains. Installs quickly.

Eco Procote Soy Concrete and Wood Sealer – Soy-based penetrating clear concrete and wood sealer that is virtually odorless and provides protection against moisture, efflorescence, dusting, marring and stains.

#### Eco Procote Soy-Based Colorants -

100 percent solids with low soap content for better water resistance and less fade. Complete soy-based technology. Use in concrete and polymer concrete.

**Eco Procote Surface Prep** – Soy-based concrete and wood surface prep used to remove oil, grease, sap and adhesives prior to application of paint or stain.

## ENVIRONMENTAL LUBRICANTS MANUFACTURING

#### Biodegradable Concrete Form Release -

A biodegradable, nontoxic, stain-free concrete form release agent formulated with seed oil that permits easy removal of wood and steel forms.

#### FRANMAR

 Bean-E-Doo Concrete Release – Makes working with concrete forms quick and easy.
 Can be applied to the surface before pouring to keep concrete from bonding to forms.

#### **GEMTEK**

SC Safe-T-Solve Concrete Cleaner – A blend of SC-1000 and SC-Supersolve used in cleaning parking structures, sidewalks, building exteriors, automotive shops and for manufacturing plant maintenance. Removes lubricants, paint, chewing gum, tar and stains from concrete and most hard surfaces.

#### **GREEN PRODUCTS. LLC**

Environmental Liquid Membrane System (ELMS) Natural Masonry Jacket – Soy-based liquid membrane designed for waterproofing and restoration of masonry applications including stone, brick, concrete, tile, and more. It is 100 percent UV-stable, resists acids and oils, and does not lose mil thickness as it ages. Also available in an optically clear version (clear coat) and custom colors. Has earned ENERGY STAR approval and carries a UL Class "A" fire rating.

#### **MBI INTERNATIONAL**

**Soy-based Cure and Seal** – ASTM C-309 compliant sealer for freshly painted concrete. Water-based and nontoxic, it is sprayable and cleans up with soap and water. VOC-compliant.

**Soy Form Release** – Water-based, nontoxic sprayable release agent for concrete forms.

**Soyseal** – Concrete sealer, deck sealer and waterproofing material.

#### **QC CONSTRUCTION PRODUCTS**

QC Ecosoy System – Biobased decorative concrete system that uses soy technology to provide a low-cost, nonhazardous alternative to stains and sealers, without compromising appearance. Green-building LEED-compliant and available in 15 standard colors.

#### RENEWABLE LUBRICANTS, INC.

Bio-Concrete Mold Release Fluid -

A low-viscosity, modified and corrosion-inhibitor formulation.

#### **SMD PRODUCTS COMPANY**

SMD 70 - Concentrated soy-based release agent.

#### **SOYCLEAN**

Soyseal Concrete Sealer and Waterproofer – A high performance green alternative to traditional products. Designed to seal and waterproof concrete and other masonry products. Biobased content is 82 percent as tested by Iowa State University using conventional radiocarbon analytical methods. **Soy Form Release** – Designed to prevent adhesion of concrete to forms and molds and to facilitate the cleanup of concrete forms for further use.

#### SOYSOLV

**Concrete Form Release Agents** – Soy-based release agents for concrete forms.

**Concrete Curing Agents** – ASTM C-309 compliant concrete curing agents.

#### TWIN CHEMICAL, INC.

Take-It-Off Concrete Sealer and Stain

**Remover** – A unique product designed to remove coatings and sealers from concrete slabs and surfaces. It removes most dissipating sealers, floor sealers, wax sealers and acrylic and latex sealers.

#### **USA SOY SOLUTIONS**

Concrete/Asphalt Form Release — A water-soluble, biodegradable, nontoxic, stain-free concrete and asphalt form release agent formulated with Biotechbased™ soybean oil that permits easy removal of wood or steel forms.

#### **DIELECTRIC FLUIDS**



Cargill supplies Envirotemp™ FR3™ fluid to utilities and transformer manufacturers. Designed for use in new and existing transformers it is the first dielectric coolant to have the environmental technology verification (ETV) report issued by the United States Environmental Protection Agency. FR3 fluid has more than a decade of field experience in over 450,000 transformers around the world.

#### CARGILL INDUSTRIAL OILS & LUBRICANTS

**Biotrans Dielectric Oil** – Biobased transformer fluid. Engineered using naturally derived sovbean oil.

**Envirotemp FR3** – Renewable dielectric fluid made from soybean oil that is used in a variety of applications for transformers and other electric equipment. Provides outstanding performance, safety and environmental protection.

#### **COOPER POWER SYSTEMS**

Envirotran™ Transformers — Specifically designed and manufactured to take advantage of the performance benefits of Envirotemp™ FR3™ fluid, these are the industry's first transformers to use an edible vegetable-oil-based, high-fire-point dielectric coolant. This technological and environmental design breakthrough is the result of years of research and development in dielectric fluids and their use in transformers. Confirmed with extensive laboratory and field testing, Envirotran transformers are safer for Earth and its inhabitants. They have exceptional performance characteristics, making them ideal for indoor or outdoor installations.

#### **DUST SUPPRESSANTS**

#### **BIOSPAN TECHNOLOGIES**

- DeDust™ Calcium-chloride-free dedusting agent. It works better than calcium chloride, and there is no risk of inhaling dust while applying the solution. DeDust is highly concentrated – use .50 ounce per 5 gallons of water. 50-percent biobased material.
- Encapsulate<sup>™</sup> Eliminates most dust by encapsulating the particles that cling to each other. It is biodegradable and will not interfere with asphalt or concrete mixes.

## ENVIRONMENTAL LUBRICANTS MANUFACTURING

ELM Dust Suppressant and Stabilizer – A readily biodegradable, nontoxic dust suppressant and stabilizer. Formulated with natural seed oils and proprietary emulsifiers and surfactants to safely control dust while minimizing environmental impact.

#### **RSC BIOSOLUTIONS**

Envirologic 500 – Dust-control concentrate.
 Can also be used as a concentrate or diluted as a mold and form release oil.

#### **SOY CLEAN**

Dust Suppressant and Stabilizer –

A biodegradable, nontoxic dust suppressant and stabilizer. DSS is formulated with natural seed oils and proprietary emulsifiers and surfactants to safely control dust while not impacting the environment.

#### SOYSOLV

 Soykill Dust Suppressant – Provides dust control for a variety of situations, including gravel roads and lots.

#### **USA SOY SOLUTIONS**

Dust Control Concentrate (DCC) – A biobased, biodegradable, nontoxic dust suppressant and stabilizer. ELM DCC is formulated with natural seed oils and proprietary emulsifiers and surfactants to safely control dust while not impacting the environment.

#### **FLEET MANAGEMENT**

#### AG ENVIRONMENTAL PRODUCTS

**Soygold Diesel Additive** – An alternative fuel that can be used in neat form or blended with petroleum for use in diesel engines.

#### ARCHER PETROLEUM

Archer Soyguard – High-performance diesel fuel additive. Formulated using domestically grown soybeans. Aids lubricity, improves engine life, cleans injectors, lowers emissions and boosts performance.

#### FRANMAR CHEMICAL, INC.

**Bean-E-Doo Automotive Molding Adhesive Remover** – Removes automotive molding adhesives with a soy-based dip application.
Low-volatile, organic compounds, biodegradable and nontoxic.

#### INTERNATIONAL LUBRICANTS, INC.

LubeGard Bio/Tech Engine Protectant –
Contains patented liquid wax ester additives that help improve the protection of the oil film against wear. Reduces friction when engine is running.

Synergol FLA – Diesel additive. Reduces wear in fuel injection systems using low-sulfur diesel fuels without increasing emissions, degrading fuel properties or sludging engine oils. Reduces friction in small diesel engines for easier starts and idling.

#### NATURE'S BROOM, INC.

 Nature's Broom – An environmental absorbent for liquid spills. This patented biobased product encapsulates the spill on contact.

#### **ORISON MARKETING, LLC**

**Soytruk Fifth Wheel Grease** – Developed specifically for truck fifth wheels. Thickeners and bioadditives effectively inhibit rust and adhere to metal surfaces to reduce wear.

#### RENEWABLE LUBRICANTS. INC.

Bio-Booster Soy-Based Cetane Improver –
 A soy-based cetane improver that is completely soluble in fuels and increases fuel ignitability.

Bio-Plus Injector Cleaner Gas Conditioner –
A multifunctional synthetic biobased gas additive that is formulated to provide excellent intake valve cleanliness and ensure clean, efficient combustion. Meets BMW criteria for lifetime intake valve deposit control with continuous use and is recommended for use in all grades of gasoline.

- Bio-Power Summer Diesel Conditioner –
   A diesel fuel conditioner formulated to improve fuel economy and power.
- Bio-Power Winter Diesel Conditioner –
   A diesel fuel conditioner that improves fuel economy and power, particularly in harsh, cold environments.

Bio-Value Lube Gas Conditioner
(for off-highway use) – Approved by the
EPA for off-road equipment and marine engine
manufacturers. Helps reduce valve seat, ring and
upper cylinder wear in engines that operate
at high RPMs or under heavy loads.

**SoyPower Diesel Fuel Additive** – Lubricity additive for premium diesel fuel.

#### **SCHAEFFER MANUFACTURING COMPANY**

**Soyshield** – A premium diesel additive that upgrades #2 diesel to premium. It boosts fuel economy, cleans injectors and increases lubricity to extend engine life and reduce emissions.

**Soyshield Winter** – Specially formulated premium diesel additive that upgrades #2 diesel to premium in harsh, cool environments.

**Soy Ultra** – A gasoline additive that has a frictional modifier and injector cleanliness package.

#### SOYCLEAN

- 5th Wheel Lubepaste A biodegradable lube paste for sliding surfaces. Specially formulated to provide an economical, high-performance lubricant for applications such as 5th wheel tractor-trailer surfaces or marine push plates. Also provides anti-rust, anti-salt, and anti-corrosion properties to withstand harsh operating environments.
- Diesel Fuel Additive A fatty acid methyl ester produced from 100 percent soybean oil that exceeds the standards set forth in ASTM D 6751 Standard Specification for Diesel Fuel (B100) Blend Stock for Distillate Fuels.

EP Plus Grease – Recommended for most fleet and industrial applications, suitable as fifth wheel grease, ideal for heavy-load applications, engineered for off-highway equipment and extreme pressure applications and recommended for environmentally sensitive areas near waterways.

#### THE CLEAN ENVIRONMENT COMPANY

 Car and Truck Wash Detergent – A very high sudsing, naturally derived detergent for washing cars and other vehicles. Can be used with a high-pressure sprayer.

WEST CENTRAL SOY Soypower Diesel Fuel Additive

#### **FLOORING**

#### DOW CHEMICAL COMPANY

Dow BioBalance Polymers Carpet-Backing System – Soy-based technology that replaces a portion of the system required to make polyurethane carpet backing. Available in all polyurethane noncushioned and cushioned backings.

#### **ECOPATH**

Ecomax, Ecorib and Ecoclassic Carpeting – Carpet backed with EnviroCel<sup>™</sup> polyurethane backing systems for commercial carpet. Contains recycled, recovered and renewable materials that are 60 percent to 70 percent biobased by backing weight. EnviroCel replaces large percentages of the petroleum-based components in the polyurethane with biobased polyols made from soybean oil.

#### FOAM PRODUCTS CORPORATION

**Eco Ultimate Silencer Acoustical** 

Underlayment – Made with recycled granulated rubber tires and high-density frothed polyurethane foam using soybean polyols and vegetable oils. Suitable for ALL glue down nail down, and floating laminate engineered wood and hardwood flooring installations. Eligible for LEED credits.

Eco Silencer HD FOF Acoustical
Underlayment – Underlayment for floating,
glue down, and nail down wood and laminate
installations with a moisture barrier film. Made
of 100 percent high-density polyurethane foam
using soybean polyols. Eliminates minor subfloor
imperfections. Offers the industry's best limited
lifetime warranty. Suitable for radiant heat
flooring systems.

Eco Silent Sound HD Acoustical
Underlayment – Made of 100 percent highdensity polyurethane foam using soybean polyols.

Eco Ultra Quiet Acoustical Underlayment – Made of 100 percent high-density polyurethane foam using soybean polyols.

**Eco Tread Acoustical Underlayment** – Made of 100 percent high-density polyurethane foam using soybean polyols.

**Tranquility Acoustical Underlayment** – Made of 100 percent high-density polyurethane foam using soybean polyols.

Silencer LVT Acoustical Underlayment
Silencer LVT™ – Suitable for all glue down and
floating LVT, and vinyl plank flooring installations.
Offers support, moisture protection and sound
absorption. Made with high-density polyurethane
foam using soybean polyols. Exceeds air quality
and flammability standards. 100 percent recyclable
and environmentally friendly.

**Silencer SA Acoustical Underlayment** – Made of 100 percent high-density polyurethane foam using soybean polyols.

Ultra Touch Carpet Cushion – Provides a soft, lush feel with ultimate performance and durability. No longer a need for unpleasantly firm carpet cushions. Double moisture barriers protect cushion from moisture's crippling effects. Triple antimicrobial protection. The ultimate choice for healthier homes and those with sensitive immune systems. Ultra Touch is a green product, utilizing soybean polyols (LEED credit MR 6) and features low VOCs (LEED credit EQ 4.3).

Dynathane Carpet Cushion — A commercial/hospitality carpet cushion made of 100 percent premium high-density polyurethane from soybean polyols. Use for double glue or stretch-in installations. Environmentally safe — exceeds EPA carpet VOC emissions requirements. Contains no formaldehyde, styrene, BHT (butylated hydroxy toluene), 4 PC (phenylcyclohexene). Nonallergenic/odorless NEW FRESH® anti-microbial treatment resists mold, mildew and bacteria. Dumatjame contributes to LEED project certification. Reduces noise levels and fatigue. Suitable for use with radiant heat flooring systems. Excellent resiliency, provides longer carpet life and appearance retention. Guaranteed performance.

#### PHASE CHANGE ENERGY SOLUTIONS

**Bio PC Mats** – Mats filled with hydrogenated soy oil that store and release energy slowly. Aids in cooling and heating structures and keeping them energy efficient.

#### **SIGNATURE CRYPTON CARPET**

 Signature Crypton Carpet – All carpet in the Crypton division is manufactured to commercial specifications using solution-dyed nylon yarn and has a biobased high-performance backing. The "Yellowstone Collection" has the highest Δ6consumer/post-industrial-recycle content in the industry.

#### **UNIVERSAL TEXTILE TECHNOLOGIES**

Biocel, Envirocel and Envirocel Home – High-performance, eco-friendly carpet backings that are recommended for high- and mid-range traffic environments, including government, commercial, education, retail and synthetic applications.

## GREASE, OIL AND LUBRICANTS



Under sponsorship from the United Soybean Board, Desilube has developed new technology that may provide some of the most advanced vegetable-oil-based metalworking fluids in the industry. In addition to the benefits inherent in a vegetable seed oil product, such as being environmentally friendly and biodegradable, these fluids provide outstanding lubricating properties that are superior to conventional petroleum-based products and can replace metalworking fluids containing high amounts of chlorine (greater than 30 percent).

## ARCHER PETROLEUM Chain Bar Lubricant

Soy-Safe Bar and Chain Oil –
 A low-temperature bar and chain oil.

**Soy-T-Drip** – Readily biodegradable turbine drip for irrigation pumps.

BARCO PRODUCTS
Penetrant Lubricant

#### **BI-O-KLEEN INDUSTRIES. INC.**

**Soy Lube SL-100** – An environmentally responsible soy-based formula that halts squeaks, loosens stuck parts and dries out moisture.

#### **CHS LUBRICANTS**

 Cenex Biomax BPL – Biodegradable penetrating lubricant.

#### **CORTEC CORPORATION**

- Ecoline® All-Purpose Lubricant
- Ecoline Bearing, Chain and Roller Lube
- Ecoline CLP
- Ecoline Long-Term Rust Preventative

#### **DESILUBE TECHNOLOGY, INC.**

**Desigreen 100** – Vegetable-oil-based fluid combines the unique characteristics of strong lubricity and bioresistance. It performs in the same fashion as a soluble oil but contains no chlorine, no heavy metal and no mineral oil, which minimizes workers' concern about exposure. This fluid is effective on both steel and aluminum alloys.

Desigreen 120 – Vegetable-oil-based semisynthetic metalworking fluid is designed for a broad range of metalworking applications on both ferrous and nonferrous metals. It contains no mineral oil, no chlorine, DEA, zinc or other heavy metals.

Desigreen 215 – Heavy-duty, soy-based metalworking fluids are formulated with a Desilube-proprietary EP package. These fluids perform in the same fashion as conventional straight oils. They exhibit comparable lubricating performance but different viscosities (10 to 120 cStc at 40°C). These fluids are recommended for use in various heavy-duty metalworking operations including cutting, grinding, sawing, deep drawing, broaching and fine blanking. These fluids are extremely effective with respect to improving tool life in mist or near-dry metalworking operations.

**Desigreen 300** – High-performance and soy-based fluid is formulated to improve the oxidative stabilities and to reduce the tendency of varnish or gum formation on the tool surfaces.

**Desigreen Base 12** – Emulsifying base is designed to formulate various vegetable oil-based, water-dilutable metalworking fluids. It contains extreme pressure, anti-wear, surfactant/emulsifying and bactericidal additives.

Penetrant – Multifunctional fluid contains 99 percent biobased content and provides good lubricity, penetrating ability to rust and waterdisplacing characteristics. It performs well as a light-duty lubricant, penetrant, cutting/tapping and anti-seizure compound.

#### **ELEVANCE RENEWABLE SCIENCES**

Concert™ GC-350 – Grease processing aid improves processability at lower temperatures. This processing aid contains a long chain dibasic ester and blends easily into existing formulas due to its low melt point.

## ENVIRONMENTAL LUBRICANTS MANUFACTURING

Chain Bar Lubricant

Cotton Picker Spindle Grease – A premiumquality grease formulated with specialized thickeners and extreme pressure additives.

- Fifth Wheel Truck Grease A natural seed oil that surpasses the lubricity of most conventional oils.
- EP Plus NLGI Grade #2 Grease
- Food Grade Chain & Cable Lubricant
- Food-Grade Hydraulic Oil Formulated in accordance with the criteria established by the USDA for H-1 lubricants and FDA regulation "Lubricants with Incidental Food Contact."

Food-Grade Machinery Grease – Formulated in accordance with the criteria established by the USDA for H-1 lubricants and USDA regulation 21 CFR 178.3570, "Lubricants with Incidental Food Contact."

**Heavy-Duty Truck Grease** 

Industrial and Snow-Grade Hydraulic Oil

- Marine Grease NLGI Grade #2
- Moly EP NLGI Grade #2 Grease
- Multipurpose Gear Lubricant
- Penetrating Fluid Penetrant Aerosol and mechanical sprays.

Soygrease™ Multipurpose EP

Temp Flex 0-100 – Formulated for winter.

- Temp Flex™ 0-100 Rail Curve Grease
- Temp Flex™ 35-160 Rail Curve Grease
   Temp Flex 35-160 Suitable for summer.

Textile Grease

White Lithium NLGI Grade #2 Grease

#### FLUID SCIENCES, LLC Soy-50 Chainlube

Soy-20 Multilube – An advanced, agrisynthetic alternative to conventional mineral-oil-based multipurpose lubricants. Formulated with a highly functional additive package designed to inhibit corrosion, penetrate rust, displace moisture and remove buildup deposits of oil and grease.

#### **GEMTEK**

SAFE LUBE industrial lubricants and specialty fluids provide improved life cycle maintenance of equipment, parts and surfaces. Generally, SAFE LUBE products have a higher heat tolerance with more stable viscosity and higher flash point. SAFE LUBE products are free of volatile organic carbons (VOCs), readily biodegradable under USEPA 560/6-82-003, and are not reportable under SARA.

- Safe Lube™ Bar, Chain and General Purpose Oil
- Safe Lube Gear Lubes
- Safe Lube Way Lubes
- Safe Lube Wire Rope Lubes

**GEO SPECIALTY CHEMICALS GEOlube SCO™** — Oil-well-drilling lubricants.

## INTERCHEM ENVIRONMENTAL, INC. Soyclean Penetrant and Lubricant

**Soyclean Soyrelease 3** – A biodegradable, asphalt-releasing agent in a ready-to-use formulation. Current users report using one-third less product than other material.

#### INTERNATIONAL LUBRICANTS, INC.

**Lubegard**® products are biobased lubricants that deliver superior performance utilizing soybean oil.

Currently recommended and endorsed by the largest transmission repair chains: AAMCO®, Cottman® and LeeMyles®.

**Lubegard Bio Flange Lubricant** – A patented, aquatically nontoxic, rail and flange lubricant for use in a variety of environments.

**Lubegard Bio Switch Lubricant** – A railroad switch lubricant.

**Lubegard Free-eze** – A rusted cylinder treatment made of synthetic oil and LXE esters for applications in gas or diesel engines.

**2-Cycle Oil LXE** – Acts as a regular 2-cycle oil as well as an engine and exhaust system re-conditioner.

**ATF Protectant** – Prevents overheating and reduces elevated operating temperatures. It also extends fluid life.

**ATF-Dexron/Mercon III** – Dramatically reduces friction on metal parts and internal components.

Highly Friction Modified ATF – Eliminates the need for multiple OEM fluids and is the number one tool used by professionals to adjust the frictional characteristics of an ATF to operate at its optimum.

**Lube 'N Loosen** – Lasts 10 times longer than other lubricants and protects surfaces against rust and corrosion.

**Lube Chain Lubricant** – Provides outstanding protection from rust and corrosion and keeps cutting edges on chains sharp.

Valve and Assembly Lubricant – Protects all metals and has excellent rust prevention.

Nonsticking formula repels particles and does not have a harsh odor.

#### **IOSSO PRODUCTS**

**Sizing Lubricant and Cleaner** – A biodegradable, nonflammable lube and cleaner that works to eliminate stuck cases.

**Triple Action Oil Solution** – Cleans, lubricates and protects while penetrating to loosen powder, carbon and plastic wad. It works as an excellent lubricant for parts and inhibits corrosion.

#### NUTEK

- Bolt-Off A green lubricant that helps reduce the friction that makes nuts and bolts hard to move. It penetrates rust and other corrosion in a fast-acting way, leaving a light film that aids movement between the surfaces.
- Shield It Shields surfaces from rust, even under the toughest climate conditions. It is a dry lubricant that evaporates to leave a long-lasting film that withstands weathering and corrosive agents.
- Simply Soy A 100 percent biolubricant made without any toxic chemistry.

Simply Soy Lubricant and Lubricating Cloth Wipes – Contain a nontoxic lubricating solution that cleans rust from tools and is safe to use in sensitive areas like food preparation stations, schools and hospitals.

#### **ORISON MARKETING, LLC**

**Soytruk Fifth Wheel Grease** – Developed specifically for truck fifth wheels. Thickeners and bioadditives effectively inhibit rust and adhere to metal surfaces to reduce wear.

# RENEWABLE LUBRICANTS, INC. BHHO Biodegradable Hydraulic Hoist Oil (ISO 32) – A biodegradable biobased formula that replaces mineral-oil-based hydraulic fluids.

- Bio-80W90 Gear Oil GL-4 Acts as a lubricant on a variety of surfaces.
- Bio-Air Tool Lubricant (ISO 32) Replaces
   petroleum based air tools. It emulsifies water for
   improved lubricity in moist conditions and provides
   anti-misting.

**Bio-Blast**<sup>™</sup> – A specially formulated, biodegradable, fast acting penetrant that blows away rust and dirt.

 Bio-EP Gear Oil – Recommended for lubricating spur, helical, bevel, and worm gear configurations that are subject to heavy loading or shock loading and are designed for heavy-duty applications.

**Bio-Extreme™ HT** – An oven chain lubricant.

**Bio-Gearhead Oil GL-3** – Used to reduce the speed of an irrigation engine to drive water well turbine pumps. It offers the protection advantages of a mild EP and anti-wear of an API "GL-3"-type gear lube.

 Bio-Graphite EP Grease NLGI #1 – Specifically formulated for sliding surfaces and applications where extreme pressure exceeds the fluid film. It provides good anti-rust, anti-oxidation and anti-wear protection.

**Bio-High Temp 180 E.P. Grease NLGI #2** – A biodegradable grease that has high-viscosity-index base oil and lithium-complex thickener. It has excellent resistance to water and corrosion and outstanding performance in a wide temperature range.

- Bio-Penetrating Lubricant (BPL) A light lubricant in food processing equipment that is essentially odorless and tasteless. It provides a protective, thin film lubricant.
- Bio-Penetrating Lubricant (BPL) + MOLY –
   A light lubricant that performs in many applications because of the super high viscosity index.
- Bio-Penetrating Lubricant (BPL) + MOLY +
   TACK A biopenetrating lubricant plus Moly
   with tackifier that provides advantages in some
   applications such as high-speed roller chains,
   cables and moving parts.
- Bio-Penetrating Lubricant (BPL) + TACK A biopenetrating lubricant with food-grade tackifier that adds adhesive characteristics to the performance of the biopenetrating lubricant.

Bio-TC-W 2-Cycle Engine Oil – Especially designed to operate in water-cooled gasoline engines for the boating industry and in 2-cycle air-cooled engines for general-purpose equipment and for personal recreational transportation, such as motorcycles, snowmobiles, chain saws and lawn and garden equipment.

**Bio-TC-W3 2-Cycle Engine Oil** – Operates in water-cooled gasoline engines for the boating industry and in 2-cycle air-cooled engines for general-purpose equipment and for personal recreational transportation, such as motorcycles, snowmobiles, chain saws and lawn and garden equipment.

**Bio-Valve Lube Gas Conditioner** – Approved for off-road equipment and marine engine manufacturers. It reduces valve wear and ringand upper-cylinder wear in engines that operate at high RPMs or under heavy loads. It helps prevent expensive repairs, increases fuel efficiency and is cost-efficient.

**Bio-Arctic Firearm Lubricant** – Lubricates in extreme subzero temperatures and prevents corrrosion. It's a combination of biobased and synthetic base oils.

Bio-Blast Penetrant (Low Surface Tension) -A fast-acting penetrant that blows away rust and dirt. It is nonstaining to ferrous and nonferrous metals.

Super High Performance Gear Oils - Designed for gear drives and right-angle gear drives commonly used in food processing equipment and is essentially odorless and tasteless.

Super High Performance Motor Oils - Made using the most advanced chemical technologies available for high-performance, heavy-duty turbo-charged and supercharged diesel and gasoline engines.

**Super High Performance Transmission Fluids –** An extreme pressure product with long-life heat stability that offers the protection advantages of increased gear life through extremely high film strength and excellent low-temperature performance.

#### **RSC BIOSOLUTIONS**

- Envirologic 268 Biodegradable chain and sprocket oil.
- Envirologic 31 A multipurpose lubricant for use in the office, at home or on the farm.

Envirologic 440 – A nontoxic two-cycle engine oil for use in air-cooled engines.

Envirologic 802 – A lithium complex that is designed to perform in environmentally sensitive applications in marine, marine construction, dredging, rail and offshore industries.

#### SOYCLEAN

5th Wheel Grease - Developed specifically for truck fifth wheels. Thickeners and bioadditives effectively inhibit rust and adhere to metal surfaces to reduce wear.

- 5th Wheel Lubepaste A biodegradable lube paste for sliding surfaces. Specially formulated to provide an economical, high-performance lubricant for applications such as fifth-wheel tractor-trailer surfaces or marine push plates. Also provides anti-rust, anti-salt and anti-corrosion properties to withstand harsh operating environments.
- Bar and Chain Lubricant A high-quality biodegradable bar and chain saw lubricant formulated with the best optimized biotechnology using American-grown natural seed oils.
- Diesel Fuel Additive A fatty acid methyl ester produced from 100 percent soybean oil that exceeds the standards set forth in ASTM D 6751 Standard Specification for Diesel Fuel (B100) Blend Stock for Distillate Fuels.
- EP Plus Grease Recommended for most fleet and industrial applications, suitable as fifth-wheel grease, ideal for heavy-load applications engineered for off-highway equipment and extreme pressure applications, and recommended for environmentally sensitive areas near waterways.
- Soyclean Penetrant and Lubricant Proved to have greater lubricity than WD-40 in laboratory tests conducted by NABL (National Ag-Based Lubricants Center).

#### SOLVENT SYSTEMS INTERNATIONAL

Hero Biobased Penetrating Lubricant – Penetrates and lubricates parts. Loosens rusted parts and frees stuck mechanisms. Stops squeaks.

#### **TRI-FLOW LUBRICANTS**

**Superior Soy Lubricant** 

#### TSE INDUSTRIES. INC.

**EcoWIND™** - Polyurethane resin with soy oil polyol for filament winding. A super-fast alternative to epoxy that cuts cure time and eliminates resin waste. Winner of the JEC Americas 2013 Innovation Award in the "Green Solutions" category. Finalist, 2013 Polyurethane Innovation Award, American Chemistry Council. Finalist, JEC Europe 2013 Innovation Award. Winner, ACE (Award for Composite Excellence), CAMX, 2014.

#### TTI FLOOR CARE NORTH AMERICA (Nutek)

Simply Soy™ - Cleaner and lubricant

**LubFix**<sup>™</sup> – Spray lubricant.

**BoltOff**<sup>™</sup> - Penetrating lubricant.

Shieldit<sup>™</sup> - Corrosion protecting lubricant.

#### **USA SOY SOLUTIONS**

Air Tool Oil

Chainsaw Bar and Chain Oil

ELM Penetrant

EP Plus #2 Grease - A premium quality biodegradable, Biotechbased $^{\mathsf{TM}}$  grease formulated with OptiBase™ oils, lithium-based thickener and extreme pressure additives for maximum performance.

- Gear Oil 80W90
- Gear Oil ISO 460
- Soygrease EP Premium #2 Water-resistant, lithium-based thickener and extreme-pressure additive for maximum performance. It meets NLGI's GC-LB specifications for fretting wear protection, oxidation and thermal stability. Resists wear, rust and corrosion and is compatible with commonly used elastomers.
- Soygrease Food Machinery #2 Formulated in accordance with the criteria established by USDA H-1 and U.S. FDA regulation 21 CFR 178.3570. Approved by NSF.
- Soygrease White Lithium #2 A premium quality biodegradable Biotechbased multipurpose grease formulated from soybeans and a lithium-based thickener.
- Soylube All-Purpose Lubricant and Oil

#### **WEST CENTRAL SOY** Soylink Chain-Bar Lubricant

Soypower Penetrant and Lubricant

Soytruk

**WORKCELL SYSTEMS, INC. Glysol Penetrate** 

#### **ZEP SUPERIOR SOLUTIONS**

From spray greases, dry lubricants and the market's best formulated lubricants/penetrants, Zep has a wide range of high-quality soy-based products that help keep equipment maintained and operating reliably and productively as designed.

**ZEP 70** 

**ZEP®** Professional Penetrating Lubricant

#### **HYDRAULIC FLUIDS**

#### **BUNGE NORTH AMERICA**

Hydraulic fluids are biodegradable, resulting in nontoxic waste when disposed of on land. Supported by the USDA BioPreferred Purchasing Program, all fluids provide excellent lubricity and feature a high viscosity index.

Agritech® Soy-Based Elevator Fluid ATSO232;
 ATSO268

**LL01 Hydraulic Elevator Fluid** 

#### **CENEX**

 Biomax THF (Tractor Hydraulic Fluid and Hydrostatic Transmission Fluid)

#### **CHS LUBRICANTS**

**Cenex Biomax THF** 

## ENVIRONMENTAL LUBRICANTS MANUFACTURING

- Envirolift<sup>™</sup> Biobased Elevator Hydraulic Oil
- SoyFluid™ Hydraulic All Season
- SoyFluid Hydraulic Industrial
- SoyFluid Universal Tractor Hydraulic Fluid

#### GEMTEK

SafeLube™ Hydraulic Fluids

#### RENEWABLE LUBRICANTS, INC.

BHHO Biodegradable Hydraulic Hoist Oil (ISO32)

**BIO AW/AL Hydraulic Press Oils** 

BIO MIL-PRF-32073 Hydraulic Fluid (ISO 15, 22, 32, 46, 68)

**BIO-AIR Compressor Fluid (AC-30)** 

- BIO-HVO Hydraulic Fluids
- BIO-Hydrostatic Low-Viscosity (Universal Tractor Fluid)
- BIO-Synthetic Trans-Hydraulic (Universal Tractor Fluid)

**BIO-TRANS-Hydraulic** 

BIO-Turbine R&O Fluids (ISO 32, 46, 68, 100)

BIO-Ultimax Hydraulic Fluids

#### **RSC BIOSOLUTIONS**

Envirologic 132, 146, 168, 700

**Envirologic Bioflush** 

#### SOYCLEAN

BioSOY Food-Grade Hydraulic Oil –

A biodegradable hydraulic oil formulated in accordance with the criteria established by the USDA for H-1 lubricants and U.S. FDA Regulation 21 CFR 178.3570, "Lubricants With Incidental Food Contact."

- BioSOY Industrial Hydraulic Oil (ISO 46) –
   A biobased product that protects against wear, has a high flash point for safety and is virtually biodegradable.
- Envirolift Elevator Hydraulic Oil An advanced, biobased hydraulic oil formulated with the best optimized USA-grown natural seed oils that surpass the lubricity of most conventional oils. It protects against wear, has a high flash point for added safety and is readily biodegradable.
- Universal Tractor Hydraulic Fluid A readily biodegradable tractor hydraulic transmission fluid formulated with Biotechbased USA-grown natural vegetable oils. This product surpasses the performance and lubricity of most conventional oils.

#### **ULTRALUBE**

- Hydraulic Oils and Universal Hydraulic Tractor Fluid
- Elevator Hydraulic Oil ISO46

#### **USA SOY SOLUTIONS**

**Hydraulic Jack Oil** 

- Industrial Hydraulic Oil ISO 32 Low Temperature
- Soyfluid™ Hydraulic Food-Grade QSO 32/46

Soyfluid Hydraulic Industrial ISO 46 & 68

WEST CENTRAL SOY

**Biosoy Hydraulic Oil** 

#### INSULATION

#### **DEMILEC USA**

**Heatlok Soy** — An insulation that creates "the perfect wall system," combining multiple control layers into a single application. It combines an air barrier, water resistive barrier, vapor barrier, drain plane and high R-value insulation into a single, efficient application.

#### **PHASE CHANGE ENERGY SOLUTIONS**

**BioPCM™** — Mats filled with hydrogenated soy oil store and release energy slowly to enhance comfort of building inhabitants.



Rhino Linings estimates that when paired with other responsible building components, BioBased Insulation® can reduce monthly heating and cooling bills by up to 50 percent.

#### **RHINO LININGS**

Rhino offers spray foam insulation products under the BioBased Insulation® and DuraTite™ brands. The DuraTite product line also includes spray foam roofing systems. High-density polyurethane foam sealants are available in the BioSeal™ product line. All foam products must be applied by a qualified contractor. Visit http://biobased.rhinolinings.com to locate a professional applicator.

**Biobased 1701S, 501W and 502** – Waterblown, two-part, open-cell, biobased-spray-applied polyurethane foams.

**Biobased Insulation** – Soy-based polyurethane spray foam insulation that creates a structure that is healthy, comfortable, energy efficient, durable and environmentally responsible.

Soy Seal HD and Soy Seal XD – Closed-cell foam sealants used for a variety of agricultural and industrial applications such as sealing of livestock houses; soil and rock stabilization; pipeline trench breaker; pad, pillow, and backfill; crack and joint sealing; and post and pole setting.

#### WFI GLOBAL, LLC

 U-Core+™ – Polyurethane window foam with renewable soy content that improves environmental impact.

## LANDSCAPING AND RECREATION

#### **ASTROTURF**

 AstroTurf – An environmentally progressive synthetic turf solution for athletic fields. Made with BioCel backing containing polymers produced from domestically grown soybeans that replace a portion of the petroleum-based polymers.

#### **SYNLAWN**

SYNLawn Artificial Grass – A lifelike synthetic turf with BioCel backing that contains polymers produced from domestically grown soybeans. SYNLawn water-efficient landscaping products use recycled content, renewable materials and innovative design that can contribute to LEED certification.



Soy-backed SYNLawn is used in various landscaping applications including playground surfacing, pet facilities, roof decks and practice golf courses.

## METALWORKING FLUIDS

#### ATAGENCER. LLC

**Soy-Based Metalworking Fluid** – Soluble oil that extends tool life in general machining operations.

#### **COOL CLEAN TECHNOLOGIES**

CO<sub>2</sub> Machine Fluid System – Extends tool life, reduces waste disposal costs and provides high-speed machining of hard-turning metals and advanced materials, including ceramics, superalloys and composites.

#### **CORTEC CORPORATION**

 Ecoline Cutting Fluid – Multifunctional, readily biodegradable fluid for metal-cutting operations that provides lubrication and cools work pieces and tools. Prevents inadvertent welding of metals.

#### **D.A. STUART AND COMPANY**

**Heatshield** – Metalworking fluid specially formulated to reduce friction in milling applications.

**Rollshield** – Metalworking fluid for rolling or milling applications.

#### **DESILUBE TECHNOLOGY. INC.**

- Desigreen 100 Vegetable-oil-based fluid combines the unique characteristics of strong lubricity and bioresistance. It performs in the same fashion as a soluble oil but contains no chlorine, no heavy metal and no mineral oil, which minimizes workers' concern about exposure. This fluid is effective on both steel and aluminum alloys.
- Desigreen 215 Heavy-duty, soy-based metalworking fluids are formulated with a Desilube-proprietary EP package. These fluids perform in the same fashion as conventional straight oils. They exhibit comparable lubricating performance but different viscosities (10 to 120 cStc at 40°C). These fluids are recommended for use in various heavy duty metalworking operations including cutting, grinding, sawing, deep drawing, broaching and fineblanking. These fluids are extremely effective with respect to improving tool life in mist or near-dry metalworking operations.

#### **GEMTEK**

- SL-Tapping Fluid Water-soluble, high-speed lubricant that may be used on all metals that are compatible with water during the tapping process. Nondrying.
- SL-Cutting and Forming Fluid Available for ferrous and nonferrous metals. Provides high-level lubricity performance that can offset the use of conventional chlorinated additives.
- SL-Grinding Fluid Designed for most difficult grinding operations, it enhances performance in all types of ferrous and nonferrous grinding applications that use a water-soluble design.

#### INTERNATIONAL LUBRICANTS, INC.

**Lubegard Bio-TDE** – Completely vegetable-based lubricant designed for all metal-cutting processes.

**Lubegard Bio-Tap Drilling and Tapping Fluid and Pipe Thread Cutting** – Biodegradable and water-washable tapping oils used to facilitate tapping of holes and rod threading.

**Lubegard Forming Paste** – Provides extreme pressure lubricity allowing tube bending, stretch forming, press braking, swaging and similar applications.

#### **IOSSO PRODUCTS**

Biobased Metal Polish – Removes oxidation, tarnish, surface rust and water spots. Rub on and buff off. May be used with a buffing wheel. Recommended for all metals, porcelain, plexiglass, hard plastics and painted surfaces.

#### LPS LABS

Premium Antisplatter – Safe, water-based formula with excellent splatter protection. Nonflammable. Does not contain suspect carcinogens such as methylene chloride. Does not contain silicone. Paint compatible.

**Tapmatic #1 Gold** – For use in hard-to-machine metals, low-speed and high-pressure applications. Minimizes torque increases.

**Tapmatic Dual Action #2** – Provides superior lubricity in machining aluminum and its alloys. Reduces friction and eliminates chip welding.

Tapmatic Natural – Does not irritate skin, eyes or respiratory tract. Does not contain 1.1.1.trichloroethane, sulfur, chlorine, chlorinated solvents, water, mineral oil or inactive fillers. High-performance lubricating ability eliminates galling and seizing.

**Tapmatic Tricut** – Dark, viscous liquid designed for extreme cutting/tapping applications.

#### RENEWABLE LUBRICANTS, INC.

Bio-Cutting Oils – Metalworking lubricants.

#### USA SOY SOLUTIONS

**Rust and Oxidation Inhibitor** 

#### PAINTS, COATINGS, STAINS AND SEALANTS

#### **BIO SPAN TECHNOLOGIES, INC.**

 $\mathbf{CR}$ -3600<sup>TM</sup> – Protects any kind of paving equipment from corrosion and rust. It is a nontoxic and biodegradable coating that works in all temperatures on all metals.

#### CORTEC

**Ecoline 3220** – A 100 percent biobased and ready-to-use temporary coating. It has a tenacious film that clings to metal surfaces, providing excellent contact corrosion protection in storage and shipment.

**Ecoline 3690** – A biodegradable product that is 76 percent biobased and is nonhazardous and nontoxic. It provides excellent indoor and outdoor protection and provides corrosion protection.

#### **ECO SAFETY PRODUCTS, LLC**

 Acri-Soy – Nontoxic penetrating clear concrete and wood sealer that is virtually odorless and protects against moisture, efflorescence, dusting, marring and stains.

#### Eco-Tuff High-Traffic Flex Clear Wood Finish -

The world's leading environmentally compliant safety coating for floors. A high-traffic finish coating with superior durability, flexibility and safety.

#### **Ecoprocote Durasoy Biobased Paints -**

Professional-grade sustainable paint technology with superior performance and appearance.

Ecoprocote Soycrete Architectural Concrete
Stain – A specially formulated stain to add depth
and color to concrete surfaces.

 Ecoprocote Timbersoy Natural Wood Stain – Soy-based stain that adds depth and color to wood surfaces.

#### **FRANMAR**

**Bean-E-Rid** – A mold and mildew treatment and preservative.

**Lead Out Stain** – A paint remover made with soybeans that is nonhazardous and provides safe removal and inexpensive disposal.

#### **GREEN EAGLE TECHNOLOGIES**

**G.E.T. Biobased Safety Yellow** – A zero-VOC coating that contains soy oil, biodiesel glycerin and soy methyl ester. Adheres to wood, painted concrete, brick, metal, galvanized surfaces and aluminum.

#### **GRIFFIN INDUSTRIES, LLC**

 $Versagen^{TM} - A$  methyl soyate industrial solvent.

**Versagen**<sup>™</sup> **100-D** – A distilled low-color methyl soyate industrial solvent.

#### **NEW CENTURY COATINGS**

**Agristain for Concrete** – A concrete stain that penetrates porous substrates like concrete, wood, leather and paper.

**Agristain for Fiber Cement** – A concrete stain for fiber concrete, wood, leather and paper.

**Agristain for Wood** – A concrete stain specially formulated for wood surfaces.

#### **REICHHOLD CHEMICALS**

**Beckosol**<sup>TM</sup>  $\mathbf{AQ} - \mathbf{A}$  family of soy-based alkyd latex resins used in architectural paints and road markings.



#### **RUST-OLEUM**

 Ultimate Polyurethane — A water-based formula that is 33 percent more durable than the leading competitive product with superior adhesion resistance. It has maximum scratch resistance and dries in two hours.

Varathane® — A premium wood stain that penetrates up to twice as deep as competitive brands to reveal the beauty of natural wood grain. Apply to wood for long-lasting, translucent stain. Uses exclusive soya-oil base and anti-settling formula for better grain enhancement with less stirring during application.

**Varathane Diamond Floor** – A wood floor coating containing soy flour.

#### SHERWIN-WILLIAMS

**Deckscapes Waterborne Semi-Transparent Stain** – An environmentally friendly stain that provides a rich pigmented appearance and is

provides a rich pigmented appearance and is scuff-resistant for very good protection on walking surfaces.

Proclassic® Water-Based Acrylic Alkyd — A tough and durable coating that enhances the look of doors, trim, cabinets and furniture. It has excellent adhesion, flow and leveling, is nonyellowing and is environmentally friendly.

PROMAR® 200 Water-Based Acrylic Alkyd – A durable, smooth, high-performance finish with minimal environmental impact. It is recommended for interior application on primed plaster, wallboard, wood, masonry and primed metal.

 Pro-Park – A soy-based parking lot paint, available in black, blue, red, white and yellow.

#### **SOYCLEAN**

Wolman DeckBrite Wood Cleaner – Cleans and restores decks and other weathered wood, and prepares new wood surfaces before sealing or staining. Its oxygen-activated, safe-to-use formula is ideal for wood decks, fences and all other exterior wood structures.

#### **SOY TECHNOLOGIES**

Soyanol™ 1000E — A water-based additive for paints and stains that is highly compatible with many chemistries, including most latex, acrylic and urethane emulsion systems. It is made with soy and helps develop high-stability emulsions.

Soyanol™ 5000X-TB — A unique thinner base for use in compliant lacquer and paint thinner formulations. Made with soy and available in multiple base formulations.

#### TIMBER OX, INC.

Timber Ox™ Green Wood Protectant Stain – An environmentally friendly stain that is agriculture-based and biobased. It restores and protects wood's natural beauty.

QC CONSTRUCTION PRODUCTS
Ecosoy System

## PAINT STRIPPERS AND SOLVENTS

#### ARCHER PETROLEUM

Graffiti Remover

**Kleenease Solvent** – Industrial strength solvent that removes grease, oil, asphalt, paint and tar.

**Quick Release** – Soybean-oil-based asphalt release agent.

ATAGENCER, LLC Soy-based Paint Stripper

## BARCO PRODUCTS Paint Stripper

DIVERSIFIED CHEMICAL TECHNOLOGIES
Natursol 1000

#### **ECO SAFETY PRODUCTS, LLC**

- Soy-It Lead Paint and HD Stripper
- Soy-It Paint Stripper

#### **ELEVANCE RENEWABLE SCIENCES**

Elevance Clean™ 1200 – Zero-VOC metal degreaser works in semi-aqueous and solvent-based systems while being used in neutral pH (6-9) formulations and applications in the heavy manufacturing, transportation maintenance and repair operations (MRO), and industrial food processing markets.

#### FRANMAR CHEMICAL, INC.

- Lead Out Soy-methyl-ester-based paint stripper for safe lead paint removal.
- Soy Gel

Soy Strip

#### **GREEN PRODUCTS. LLC**

**Amazing Biobased Solvent and Stripper** 

#### **GRIFFIN INDUSTRIES**

Vesagen™ 100 - Methyl soyate industrial solvent

**Vesagen 100-D** – Low-color, distilled methyl soyate industrial solvent

#### INTERCHEM ENVIRONMENTAL, INC. Soyclean Paint Stripper

#### **MR. GOOD CHEM**

 Graffiti Remover – Liquid spray removes paint, ink, crayon, magic marker and tar from a variety of surfaces. Great for use on buses, trains and racquetball courts.

#### **ORISON MARKETING, LLC**

 Soypower Paint Stripper – An environmentally formulated product that loosens and removes varnish, lacquers and latex or alkyd paint from furniture and other hard surfaces. Biodegradable, nontoxic and nonflammable.

#### PETER CREMER NORTH AMERICA Soy Methyl Ester

#### SOYCLEAN

- Adhesive and Mastic Remover Removes adhesives, price stickers, lipstick, mastic, wax, decals, crayon marks, shoe polish, asphalt, gum, carpet glue and grease from most surfaces.
- Paint Stripper Removes lead- and oil-based paints, varnish, shellac, and acrylic lacquer from almost any surface. Removes multiple layers with one application.

#### SOY TECHNOLOGIES. LLC

**Soyanol**<sup>TM</sup> **5000X-TB** – Soy methyl ester-based stain and paint thinner.

- Soygreen Enviroclear and Envirogel, Paint Stripper
- Soygreen Graffiti Remover
- Soygreen Polystripper

#### TWIN CHEMICAL, INC.

 Pronto Supersoy – Uses "SuperCling" technology for better penetration on vertical surfaces.
 Designed to be environmentally friendly.

Twin Chem AGR – A unique product designed to remove most carpet adhesives and glue, as well as most linoleum adhesives. Also removes black asphaltic cutback.

WEST CENTRAL SOY Graffiti Remover

## PAPER AND PRINTING INK AND SUPPLIES

#### **A&W SOY WAX**

AW 130, AW 140 and AW 150 – Soy wax emulsions for paper and packaging applications. This alternative to paraffin wax emulsions is available in 30, 40 and 50 percent solids and can be formulated to meet coating weight and water repellency requirements. Regarded as GRAS (Generally Regarded As Safe) by the Food and Drug Administration. Ideal for pulp furnish, Kraft, thermo-mechanical or TMP.

## ALDEN & OTT PRINTING INKS COMPANY Soy Ink

#### **APPLIED PROTEIN SYSTEMS**

**PSA35MA** – A soy-based product for coated paperboard applications.

**PSA50MA**<sup>™</sup>, **PSA5060**<sup>™</sup> – Binders for paper and paperboard applications.

#### BRADEN SUTPHIN INK COMPANY

Sov Ink

#### **CABRUN INK PRODUCTS**

Soy Ink

#### **CENTRAL INK CORPORATION**

Soy Ink

#### **DUPONT SOY PRODUCTS**

**SoBind™ Impression** – For water-based inks, provides reliability of supply while lowering overall carbon emissions.

#### **ENVIRONMENTAL INKS & COATINGS**

Soy Ink

#### **FLINT GROUP**

Agri-Web

#### **Arrowfresh**

#### **Arrowlith**

Arrowstar UV 7700 – Formulated for high-speed UV sheetfed and web printing. "Soy Seal" compliant, these inks are formulated with state-of-the-art resin and photoinitiator chemistries to excel on a variety of substrates, including lightweight papers, recycled stock and board.

#### Versatil II

## FLORIDA INK MANUFACTURING COMPANY, INC.

Soy Ink

#### FRANMAR CHEMICAL, INC.

Bean-E-Doo

**Color Change** 

#### **D-Haze**

**Green Again™** – Soy-methyl-ester-based printing screen wash for textile inks inks

**Greenway**<sup>™</sup> – Soy-methyl-ester-based printing ink cleaner for UV and air-dried inks.

Strip-E-Doo

Wash Away

#### **GANS INK & SUPPLY**

**Dri-Soy Dull** 

**Dri-Sol Gloss** 

**Enviroset** 

Klear Kut Reducer

S-700 Soylite Overprint Varnish

Soy Plus Laser Safe and Stallion Black

Soytech

#### **GREAT WESTERN INK**

Soy Ink

#### KENNEDY INK COMPANY, INC.

Soy Ink

#### **INX INTERNATIONAL**

**EcoPure**<sup>®</sup> **HPJ SOY** – A high-quality quickset ink for sheetfed offset printing.

 $DiaTech^{TM}$  SF2 – INX's low-VOC system is unsurpassed for press stability and print quality.

**ColorTrac SS and FormsPro** $^{TM}$  – Soy inks for offset printing.

Versatech™ – Inks for film substrates that are available with less than 1 percent VOC. Most INX water inks for paper substrates are "Soy Compatible" allowing the addition of Soy Varnish as needed for Soy Seal status.

**Fusion® UV Hybrid** – UV/EB inks meet local EPA emission limits and have low energy requirements.

#### MALLARD INK, INC.

Soy Ink

#### MINNESOTA SOYBEAN RESEARCH & PROMOTION COUNCIL

Soy Ink

#### **OMNOVA SOLUTIONS**

SUNKOTE® AU4203 and 4240 – Used as lubricants for paper and paperboard coatings. Developed to help prevent dusting on supercalenders and high-temperature hot nip calendering during processing. Our lubricant products reduce the tendency of the coating to crack when paper is folded, reduce or eliminate calender dusting and reduce coefficient of friction.

**QUALITY INKS, INC.**Soy Ink

SIEGWERK Soy Ink

#### **SUN CHEMICAL**

**UltraSoy™** and **EcoSoy®** – Black inks that use renewable soy oil for newspaper printing.

TOYO INK AMERICA, LLC Aqualess Ultra Process Series

**Hyplus NEX Process Series** 

**Hyunity Process Series** 

SF Kaleido Process Series

**UV Eco Soy Process Series** 

U.S. INK Ecosoy Black

**Ultrasoy Black and Colors** 

VICTORY INK COMPANY, INC. Soy Ink

#### **WEST POINT PRODUCTS**

Agritone

WIKOFF COLOR CORPORATION Soy Ink

# PAVEMENT RESTORATION AND SURFACING AGENTS



The average life span of asphalt-paved surfaces is 15 to 17 years, which can potentially be stretched to as much as 20 years by using RePLAY by BioSpan Technologies.

#### **BIOSPAN TECHNOLOGIES**

A-Patch™ – Effectively bonds and seals asphalt cracks from 1/4" to 2" in width. Keeps out all moisture. Becomes part of the asphalt matrix and structurally reinforces the area with fiberglass strands, making it the strongest bond available. Can be applied all year, no heating required.

ACTIVATE™ – A 77 percent biobased solution that restores reclaimed asphalt pavement (RAP) millings to like-new asphalt. Perfect for filling potholes, edge ruts, shoulders and other paved surfaces.

**AR-3600™** – A 93 percent biobased asphalt and tar remover ideal for cleaning trucks, pavers, and tools. The solution is safe for both the user and the environment and works faster than diesel and other fuel oils used for cleaning paving equipment.

**BR-3600**<sup>™</sup> – A biodegradable bed release agent that prevents material from sticking to the truck bed while maintaining the chemical integrity of the asphalt mix. BR-3600 uses less material and works faster than conventional release agents.

**CR-3600**<sup>™</sup> – Protects any kind of paving equipment from corrosion and rust. It is nontoxic and biodegradable and works in all temperatures on all metals.

C-PATCH – Can be used everywhere exposed concrete is present and needs repair. It bonds to any clean concrete surface and is ready for 18-wheel traffic after three to four hours. C-Patch uses a patented fiberglass-reinforced concrete formulation that makes it extremely strong, yet lightweight and durable.

FSR-4450<sup>™</sup> – The first nontoxic, biodegradable, environmentally friendly expanded polystyrene foam remover available to the road construction industry. It is formulated to effectively dissolve styrofoam (EPS) in all temperatures.

**RePLAY**® – Makes roads last longer. Adds 15 percent + new SBS and SBBS polymers. Reverses oxidation. Helps seal hairline cracks.

#### Seam Seal Joint Bonding Agent™ -

An environmentally friendly alternative to bond asphalt seams. It works on all types of asphalt mix designs and will keep moisture from penetrating into the asphalt seam, thus extending the life of the surface.

**CHS LUBRICANTS** 

**Cenex Biomax CFO** 

**CORTEC CORPORATION** 

**MCI** Ecocure

**ECO SAFETY PRODUCTS, LLC** 

**EcoProcote Soy Concrete and Wood Sealer** 

FRANMAR CHEMICAL, INC.

Bean-E-Doo Asphalt Cleaner

Bean-E-Doo Asphalt Release

**GREEN PRODUCTS, LLC** 

Environmental Liquid Membrane System (ELMS) Agriseal

Environmental Liquid Membrane System (ELMS) Natural Metal Jacket

**Natural Environmental Barrier** 

#### RENEWABLE ENERGY GROUP

Soypower Asphalt Release Concentrate – Provides slipping and release properties. Biodegradable and meets regulatory compliance goals without sacrificing performance. Can be used in concentrated form for cleaning asphalt equipment and tools.

#### SOYCLEAN

**Soypower Asphalt Release Concentrate** – An advanced biobased solution containing 96 percent fatty acid methyl ester produced from 100 percent soybean oil.

SoyRelease3 – A specially formulated soy-based asphalt release agent offering outstanding slipping and release properties while helping to meet regulatory compliance goals. Product use eliminates worker and work environment exposure concerns associated with diesel fuel and other petroleum-based products.

SMD PRODUCTS COMPANY SMD Asphalt Release Agent

WEST CENTRAL SOY
Soypower Asphalt Release Concentrate

#### REMEDIATION

#### CYTOCULTURE INTERNATIONAL

CytoSol™ Biosolvent – Provides a nontoxic, environmentally friendly solution to help clean shore lines. The soy-derived biosolvent has more effective solvent properties than petrochemicals, especially on weathered oil. It contains no hazardous petroleum distillates, is nonflammable and safer for workers to use.

#### **EOS® REMEDIATION. LLC**

Emulsified oil products are engineered to optimize subsurface conditions that promote anaerobic bioremediation. EOS technologies are suitable for remediating chlorinated solvents, perchlorate, energetics and oxidized metals.

**EAS™** – Sulfate enhanced soy oil-based substrate for groundwater bioremediation.

**EOS 450** – Serves as a basic support for sites with established microbial communities, while maximizing substrate value.

**EOS 100** – Water-mixable organic substrate excellent for barrier applications and high-velocity aquifers.

**EOS LS** – The only pH-neutral low-salt emulsion available in the marketplace.

**EOS PRO** – Specialized blend of organic substrates, nutrients and vitamins optimizes degradation (formerly 598B42).

**EOS XR™** – Offers an extra-extended release substrate to address matrix diffusion for 10 to 20 years.

**EOS VOS™** – Mitigates groundwater impact from residual contaminants in the unsaturated (vadose) zone.

#### **FLOTEK INDUSTRIES**

StimOil® FBA M, StimOil® FBA Plus, StimOil® EC, StimOil® EN – Downhole crude oil recovery aid.

#### **ROOFING PRODUCTS**

#### **GREEN EAGLE TECHNOLOGIES**

 G.E.T. Biobased Roofing Mastic – A soy-based zero-VOC roof mastic developed by Niemann & Associates for Green Eagle Technologies, LLC.

#### **GREEN PRODUCTS LLC**

● Environmental Liquid Membrane System (ELMS) – A soy-based, solar-reflective roof coating that can be applied in one coat over metal roof assemblies, single-ply membranes including thermoplastic polyolefin, aged Hypalon, aged PVC, and spray polyurethane foam. Low VOCs, environmentally friendly, UV-resistant, with good elongation properties and low permeability. Earned ENERGY STAR approval. The only soy-based roof coating to carry a UL Class "A" fire rating.

## WOOD PRODUCTS AND ADHESIVES

#### ARCHER DANIELS MIDLAND

Nutrasoy 7B – Formed plywood glue using soy protein to replace animal blood as a foaming agent. Works for extenders and fillers for plywood and laminated veneer lumber adhesives. Also for fiberboard and cellulose panel binders.

#### **ASHLAND**

Soyad™ Co-Adhesives – The system of choice for industry-leading manufacturers who want to stay ahead of formaldehyde regulations and help improve indoor air quality.

#### E<sub>2</sub>E

**Transform**<sup>™</sup> – A soy-based proprietary biocomposite used in fabricated furniture products.

#### **COLUMBIA FOREST PRODUCTS**

Pure Bond™ Hardwood/Plywood – More than 50 million PureBond panels have been installed in interior projects throughout the United States. Soy-based adhesives reduce the use of formaldehyde in panel construction, without sacrificing appearance or performance. Available in a wide variety of woods and finishes.

#### **EKA CHEMICALS**

**PRF/S0Y 2000** – Wood adhesive formulated to bond green lumber during finger-jointing applications. Uses a two-part system consisting of a soy-based adhesive and a phenol-resorcinol-formaldehyde resin.

#### **GILES & KENDALL, INC.**

**CedarSafe**® – Flakeboard cedar panels made with Soyad® soy-based adhesives provide natural, aromatic protection from moths, roaches, silverfish and mildew. The 4' x 8' panels are easy to install and are a safe alternative to mothballs. Available in most home improvement stores.

#### 9WOOD

All crosspiece backers in custom wood ceilings by 9Wood use soy-based adhesive versus formaldehyde. 9Wood has done a full audit on the supply-chain and offers product assemblies that are Red List ready, as outlined by the International Living Building Institute.

#### PANGUANETA S.P.A.

Pangua PureGlue™ – Plywood uses Soyad™ soy-base adhesive in indoor paneling.

#### **SOLENIS**

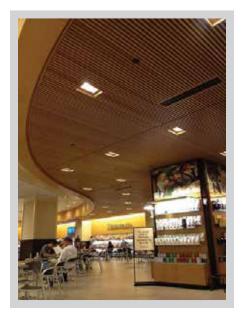
Soyad co-adhesive technology is a proprietary adhesive system from Solenis that is used in combination with isocyanate-based resins to produce composite panels such as particleboard, medium-density fiberboard (MDF) and oriented strand board (OSB). Co-adhesives allow manufacturers to reduce adhesive costs. Water-based systems are formulated with natural soy flour and a proprietary cross-linking resin.

#### **STATES INDUSTRIES LLC**

Elemental Hardwood Panel Products – Using soy-based adhesives, States was among the first production hardwood plywood manufacturers to become Forest Stewardship Council certified almost 20 years ago. In addition to meeting ANSI/HPVA HP-1-2009, States' products comply with California Air Resources Board regulation 93120 reducing formaldehyde emissions unless otherwise specified.

#### UNIBOARD

**NU GREEN**® – Particleboard and thermofused laminates use proven Soyad® soy-based adhesive to create what Uniboard claims is the most eco-friendly particleboard on the market.



9Wood Ceiling installation at the Barnes & Noble Cafe in New York City.

# INGREDIENTS, INTERMEDIATES AND FEEDSTOCKS

The United Soybean Board has been actively supporting innovative soy-based research for new product development since 1995.

Soybean components – including oil, protein, and hulls – continue to be incorporated into industrial products as researchers and manufacturers increasingly "think soy."

Over the past decade, five winners of the Presidential Green Chemistry award have received funding support from the soybean industry.

The molecular structure
of soybean oil can be
readily modified in many
applications as a replacement
for petrochemicals, and
soy oil products can deliver
performance that meets or
exceeds industry standards.
Using soy as a replacement
for petrochemicals helps

make products more renewable and environmentally friendly.

Life cycle assessment studies show environmental benefits including lower carbon dioxide emissions, and lower energy production costs.

Soybean oil lowers the VOC content of products and reduces exposure to toxic chemicals.

And in many cases soybean oil even improves product performance.

Soy is readily available. This ensures a steady supply and reduces the price volatility associated with petrochemicals.

When soybeans are crushed, they yield about 20 percent oil, most of which is used in human food. However more than 57.8 million metric tons of excess oil goes into the production of products like biodiesel

fuel, polyols for polyurethane, plasticizers, inks, coatings, sealants and toners.

Approximately 96.78 percent of soybean meal that is produced when the oil is extracted is used to feed livestock, because it is almost half protein. But the other half is mostly indigestible carbohydrates. If some or all of those carbohydrates are removed, protein concentrates and isolates can be used for human food.

The indigestible carbohydrates become the world's lowest-cost source of sugars for fermentation into fuels and chemicals. A growing percentage of soy protein is used to make industrial products such as wood adhesives and paper coatings.



#### BLOWN SOYBEAN OILS

#### **CARGILL INDUSTRIAL OILS & LUBRICANTS**

**680 Blown Soybean Oil** – Blown soybean oil is refined and blown under controlled conditions to achieve high viscosity. It is used in caulking and glazing compounds, lacquers and printing inks.

#### **PLASTICS**

#### ARKEMA, INC.

**Vikoflex**<sup>TM</sup> **7010** – A phthalate-free soy-based plasticizer.

#### **BAYER MATERIAL SCIENCE, LLC**

Provides a range of proven soy-based polyurethane systems. Tailor-made modifications of their broad polyurethane portfolio are available.

#### **BIOBASED TECHNOLOGIES, LLC**

**Agrol**<sup>®</sup> is a family of natural-oil-based polyols available in a range of functionalities that can be used in a variety of polyurethane applications.

**Agrol 2.0** – A 2 functional, viscous polyol suitable for coatings, adhesives, sealants, elastomer (CASE) and slabstock applications.

**Agrol 2.8** – A 2.8 functional, viscous soybean-based polyol suitable for coatings, adhesives, sealants and elastomers (CASE), and flexible-molded, rigid-molded, slabstock and spray foam insulation applications.

**Agrol 3.0** – A 3 functional, viscous polyol used in coatings, adhesives, sealants, elastomers (CASE), flexible-molded, rigid-molded, slabstock and spray foam insulation applications.

**Agrol 3.6** – A 3.6 functional, viscous polyol for rigid-molded applications.

**Agrol 4.3** – A 4.3 functional, viscous polyol for rigid-molded applications.

**Agrol 5.6** – A 5.6 functional, viscous soybean-based polyol suitable for rigid-molded applications.

**Agrol 7.0** – A 7.0 functional, viscous polyol for rigid-molded applications.

**Agrol Diamond** – A functional, viscous polyol for rigid-molded applications.

#### Agrol PRIME, STAR, PLATINUM AND AO+ -

Soy-based polyurethane products made from natural, rapidly renewable oils. They can be used in many of the same or similar applications as petroleum polyols. Prime is slated for flexible slabstock formulations.

**Soyol**® **polyols** – Can be used to replace polyols in existing formulations or in formulation development. They provide performance that is equal to, or better than, competitive materials.

**Soyol R2-052 (A-F)** – A series of 2-function polyols used in the production of flexible and rigid foams, coatings, adhesives, sealants and elastomers.

**Soyol R3-170 (A-G)** – A series of 3-function polyols used in the production of flexible and rigid foams as well as coatings and elastomers.

**Soyol RS** – Used in a variety of polyurethane applications.

#### **CARGILL BIOH POLYOLS**

BiOH® polyols are soy-based, industrial ingredients for polyurethane products such as flexible foam, rigid polyurethane foam, coatings, adhesives and sealants.

#### CHS. INC.

**PlastiSoy**<sup>TM</sup> – An epoxidized soybean oil used by plastic manufacturers as a secondary heat and light stabilizer and co-plasticizer in flexible PVC applications.

#### **DECEUNINCK NORTH AMERICA**

Innergy™ Rigid Thermal Reinforcements – Pultruded fiberglass and soy-based urethane insert that slides into windowframe chambers for greater support and insulation.

#### **DIXIE CHEMICAL COMPANY, INC.**

Maeso (Maleinated Acrylated Epoxidized Soybean Oil) – A soy-oil-based resin suitable for high-temperature cure composite applications.

#### **DOW AUTOMOTIVE SYSTEMS**

**BetaFoam™ Renue** – A cavity-sealing foam made with 25 percent renewable soy oil.

#### **DUPONT SOY POLYMERS**

**SoBind™ Balance** – For coatings, adhesives and multiple uses.

#### ELEVANCE

Novel soy-based di-functional specialty chemicals used as building blocks for a wide variety of engineered specialty polyamide, polyols and polyesters; epoxies and polyurethanes; and coatings and cross linkers.

#### **EMERY OLEOCHEMCIALS**

Infigreen® Recycled Polyols – Contain soy-based polyols.

#### GALATA CHEMICALS, INC.

**Drapex**<sup>®</sup> **Alpha** – A primary biobased plasticizer that can replace phthalate plasticizers in polyvinyl polymers.

#### **IMPACT GEL CORPORATION**

**Impact Gel<sup>™</sup>** – A dynamic product derived from soy and other natural oils and used for bedding, footwear, and equine and sports products.

#### INNOVATIVE POLYMERS, INC.

**Innogreen Polyurethanes** – A line of 30 to 40 percent soybased polyurethane cast elastomer systems.

#### LEAR

SoyFoam™ Seating – Award-winning technology that meets all the automotive-performance requirements for head restraint, armrest and seating-system cushions. Automotive soy foam seating used in GM vehicles.

#### MBI TECHNOLOGIES, INC.

MBI has assembled a multidisciplinary team of scientists and engineers, as well as the required pilot-plant facilities, to work collaboratively with partners like DuPont and Cargill Dow to address the risks associated with bringing biobased technologies to market. MBI also provides connectivity with both Michigan State University and the broader research community to solve complex problems.

#### POLYONE CORPORATION

Reflex™ 100 – A biobased plasticizer used as a replacement for phthalate plasticizers based on Battelle technology and developed with Archer Daniels Midland. This product has been recognized by the U.S. Department of Agriculture's BioPreferred program and labeled 94 percent biobased.

#### SOY TECHNOLOGIES, LLC

Soyanol<sup>™</sup> – Raw materials, additives and intermediary blends sold under the Soyanol brand. Soy Technologies specializes in bulk and private label sold to manufacturers and distributors.

#### **TEXTILE RUBBER & CHEMICAL COMPANY**

**Terra-Soy** – Formulated soy polyurethane system for attached carpet pad using SoyOyl.

#### **PROTEINS**

#### **APPLIED PROTEIN SYSTEMS**

Soy Protein Binder PSA35MA – Binder used in coating for gypsum wallboard. Coating provides a smooth, even and glossy wall surface across seams and nail spots that have been covered with a joint compound. Enables surface to evenly take paint and stain.

#### **DUPONT SOY POLYMERS**

DuPont™ Soy polymers are used for partial or complete replacement of latex, casein and other natural or synthetic binders, viscosity modifiers and thickeners. They are also used to obtain functional improvements.

#### **PROPYLENE GLYCOL**

ADM Glycols technology – Uses a catalytic process known as hydrogenolysis to convert glycerin into propylene glycol. It is then purified to either industrial-grade – used in products such as paints, antifreeze and brake fluid – or USP-specifications-grade for use in food and flavorings, cosmetics, pet foods and as a pharmaceutical excipient.

# REFINED AND DEODORIZED SOYBEAN OILS

#### CHARKIT CHEMICAL CORP.

USP-Certified Pharmaceutical-Grade Soybean Oil

#### **COLUMBUS FOODS**

**Hydrogenated Soybean Oil** 

**Partially Hydrogenated Soybean Oil** 

Refined, Bleached and Deodorized Soybean Oil

#### INTERNATIONAL LUBRICANTS, INC.

**Telomers of Soybean Oil** – Refined, bleached and deodorized soybean oil and esters of soybean oil.

WELCH HOLME & CLARK CO., INC. Partially Hydrogenated Soybean Oil

**Refined Soybean Oil** – Refined, bleached and deodorized soybean oil.

Refined USP-Grade Soybean Oil

#### **WEST CENTRAL SOY**

As SoyPLUS® and SoyChlor® are processed, pure soybean oil is also extracted and captured. Soy oil can be utilized for a variety of purposes, from foods to personal care and renewable fuels. West Central's soybean oil is often refined and utilized for biodiesel manufacturing and human consumption, and is also sold to the worldwide market. Soy oil is Kosher certified, and is available in raw form, or degummed for human consumption. It is manufactured at West Central's Ralston production facility and available for delivery by truck or rail.

#### SOLVENTS (METHYL ESTERS)

#### **CARGILL INDUSTRIAL OILS & LUBRICANTS**

Fatty Acid Methyl Esters – Can be used as an industrial cleaning solvent as a replacement in metal cleaning and precision cleaning applications. It also works well as a co-solvent blended with other products such as d-limonene.

#### **COLUMBUS FOODS**

**Enviro-Save** – Soy methyl ester of fatty acid that performs as well as harsh chemical solvents.

Methyl soyate

Soy methyl ester

#### **CORTEC CORPORATION**

**Ecoline Soya** – Soy methyl esters.

#### **DIVERSIFIED CHEMICAL TECHNOLOGIES**

**Natursol 1000** – A co-solvent blend for parts cleaning.

#### **GEMTEK PRODUCTS, LLC**

SC-Solvex – A soy methyl ester, alkanolamide surfactant from soy and water. This emulsion provides excellent solvent KB and yet no VOC. Applications are primarily in the printing industry as a blanket wash, ink remover and adhesive remover; in hand cleaners; as a co-solvent in automotive parts washers; and as a cylinder cleaner for the specialty gas industry. Also used as a floor stripper in federal buildings.

#### **GRIFFIN INDUSTRIES**

**Versagen** – Methyl esters of fatty acid for industrial applications.

#### LAMBENT TECHNOLOGIES CORP.

**Soy Methyl Esters** – Used as an industrial cleaning solvent. Also works well as a co-solvent blended with other products.

#### **SOLVENT SYSTEMS INTERNATIONAL**

SSI Soy Methyl Ester is a 100 percent soybean-oil-based methyl ester that acts as a natural, multipurpose solvent. It offers significant regulatory and safety advantages over petroleum solvents, and addresses the numerous EPA and environmental issues facing solvent users today. Soy Methyl Ester is nontoxic and nonflammable and is an extremely efficient solvent for industries in the printing, chemical formulating, and adhesives market. SSI Soy Methyl Ester is USDA BioPreferred Biobased Certified, qualifying it for government work because it satisfies federal biobased requirements.

#### SOY TECHNOLOGIES, LLC Soygreen SG5000X/HS

Coating Reducer – Blending a percentage of SoyGreen SG5000X/HS in the formulation with isoalkanes helps reduce viscosity and retard the drying time of paints and coatings, improving flow and coverage. DfE-recognized, biobased, VOC-compliant and nonflammable.

Lacquer Retarder – Slows the drying time of quick flashing exempt solvents such as acetone to prevent blushing and allow for proper brush-on times. Slowing lacquer drying times can prevent unwanted brush marks and flash drying.

DfE-recognized, biobased, VOC-compliant and nonflammable.

#### Oil-Base Paint/Primer Component -

Can be used to provide the solvency needed to disperse and hold resins and colorants in oilor water-based paint and primer while reducing the VOCs in the blend. Works well with existing exempt solvents to match or exceed the performance of more traditional solvent coating formulations. VOC-compliant and nonflammable.

#### Paint and Lacquer Thinner Component -

Features a high KB value that regulates drying times and raises the flash points in paint and lacquer thinners. Custom formulations reduce the VOC content of paint and lacquer thinners. Other LVP and exempt solvents can be blended with SG5000X to provide proprietary low VOC formulations for California and the OTC states. Can replace or reduce the use of MEK, MAK, naphtha or mineral spirits.Blends easily with acetone. DfE-recognized, biobased, VOC-compliant and nonflammable.

Stain and Sealer Component – Provides an excellent solvent base for carrying colorants and silicas often used in stains and sealers. Excellent penetrating properties on wood, concrete and other porous materials. Does not harm or dry wood substrates. DfE-recognized, biobased, VOC-compliant and nonflammable.

**VERTEC BIOSOLVENTS, INC.**Soy methyl ester

## SURFACTANTS AND EMULSIFIERS

#### AFTON CHEMICAL CORPORATION

**Actrasol® OY-67** – A good lubricant for textile applications, nonstaining on aluminum, steel and copper.

**Actrasol OY-75W** – Compatible with most builders' use in cleaner formulations.

#### **AKZO NOBEL**

**Armeen**<sup>®</sup> S – A corrosion inhibitor, dispersing agent and emulsifier.

**Armeen DMSD** – A chemical intermediate, resin neutralizer and corrosion inhibitor.

**Arquad**<sup>®</sup> **SV 60 PG** – A foam booster, antistatic, emulsifier, dispersing agent, wetting agent and lubricant.

**Ethomeen**® **S/12** – An oilfield cleansing surfactant.

#### **BASF**

**Agnique**<sup>®</sup> **SB010** – A low dose agricultural adjuvant and emulsifier for plant protection products.

**Comperlan® VOD** – Serves as a thickener in surfactant preparations.

**Larostat**® **264A** – An effective cationic antistat that acts as a solubilizing/compatibilizing agent that holds product together. Suitable for the textile market.

#### **CELANESE**

Avicor 384 Vinyl Acrylic – A small-particle-size, APE-free, surfactant-stabilized emulsion. Exhibits excellent scrub and stain resistance. Offers excellent flexibility for use on aged masonry, primed wood.

Avicor 385 – A high scrub vinyl acrylic emulsion designed to give superior performance in both interior and exterior paints. Its combination of high molecular weight, excellent film formation, flexibility and water resistance produces paint films with excellent toughness, gloss and durability.

#### COLONIAL CHEMICAL. INC.

**Cola**® **Mid 3458 MFA** – Provides excellent foam stabilization, viscosity building, conditioning and emulsification properties in shampoos, skin cleansers and other personal care products.

**Cola**® **Liquid DO** – Improves foam, viscosity and feel properties of personal care formulations.

#### **COLUMBUS FOODS**

**Lecithin** – Soybean-derived emulsifier used as a viscosity reducer, as well as for a variety of other uses.

#### **CRODA**

**Prifac™ 8953** – A distilled fatty acid derived from soybeans that acts as a emulsifier in household products.

#### DOW CORNING CORPORATION HY-3200 Emulsifying Soy Wax -

A thickening and emulsification agent for personal care products.

#### **ELEMENTIS**

**Serdox NAD 20** – Mild for skin and eyes, it has good emulsifying, softening, lubricating and antistatic properties.

#### **LAMBENT TECHNOLOGIES**

**Lamchem PE-130K** – Improves the taste and feel of fat-free foods. Exhibits excellent extreme pressure lubrication on both ferrous and nonferrous metals.

**Lamchem PMD K** – Exhibits properties resembling lecithin when used in food products.

**Oleocal**<sup>®</sup> **IVO-114** K-A pigment dispersant for paints and coatings.

#### **LAMBERTI SYNTHESIS USA**

Soya Bean Oil, Ethoxylated and Propoxylated

#### **LIPO CHEMICALS**

**Lipovol**<sup>®</sup> **Soy** – Imparts a soft lubricious skin-feel in personal care products.

**Lipovol HS** – Exhibits excellent stability. A superior carrier for essential oils and other oil-soluble components.

#### **LUBRIZOL**

 $\begin{tabular}{ll} \textbf{Amidex}^{TM} & \textbf{Surfactant} - \textbf{Excellent foam} \\ \textbf{properties in soaps.} \end{tabular}$ 

**Chembetaine™ S-FA Surfactant** – Special conditioning, foaming and viscosity building properties when used in shampoos, hand soaps and bath products.

**Chemonic™ SI-63 Surfactant** – A mild cleansing agent and solubilizer. Used in baby products and sensitive skin formulations that require very low levels of skin irritation.

**Chemonic™ SI-7 Surfactant** – Mild viscosity builder and foam stabilizer with emollient feel.

**Chemoxide™ SO Surfactant** – Provides good viscosity and foam enhancement, and improved performance in hard water.

#### Schercomid™ SLL Fatty Acid

**Diethanolamide** – Contributes to conditioning and emolliency effects in shampoos and cosmetics.

Schercoquat™ SOAS-PG Specialty Quat – A highly concentrated liquid for hair conditioners.

**Potassium Soyate** – Contains glycerin, which serves as a natural moisturizer in formulated hand soaps.

**Quatrex<sup>™</sup> S Conditioning Agent** – Exhibits excellent conditioning in shampoos.

#### PCI GROUP, INC.

**CSV 3000** – Concrete stain vehicle made from soybean oil.

**WSV 3000** – Wood stain vehicle made from soybean oil.

#### SOY TECHNOLOGIES, LLC

#### Soyfast Manufacturing Base for All-Purpose

Cleaner – Use in concentrations as high as 100 percent for super-concentrated laundry and dish detergents and chemical dispensing systems, to as low as 6 percent for concentrated all-purpose cleaners. When diluted with water, a clear microemulsion is formed that may be colored and perfumed as desired. DfE-recognized, biobased, VOC-compliant and nonflammable.

#### SOLAE

**Actiflo** – A fluid lecithin rich in phospholipids. Suitable for water-in-oil emulsions.

**Blendmax K** – A refined, fluid lecithin that has been enzymemodified to enhance water-dispersibility.

**Centrocap** – Centrocap lecithins are clear and brilliant, low-viscosity lecithins designed to be free of hexane.

**Centrol CA** – A medium-polarity, oil-in-water emulsifier.

**Centrol Series** – Stable, easy-to-handle fluid blends of natural phospholipids and soybean oil.

**Centrolene Series** – Hydrophilic lecithins produced through a chemical modification known as hydroxylation.

Centrolex Series – Highly concentrated, versatile lecithin powders in an essentially oil-free form. They have the highest acetone-insoluble level found in the Solae line and the highest level of soybean phospholipids with no carriers or diluents.

**Centromix Series** – Fluid lecithins are highly water-dispersible, oil-in-water emulsifiers that provide optimal pigment dispersion in water-based paints and coatings.

**Centrophase HR** – The original heat-resistant lecithin.

**Centrophase Series** – Versatile low-viscosity fluid lecithin products.

**Centrophil Series** – A blend of oil-free phospholipids and refined specialty oils.

# **SOLVAY NOVECARE RHODIA**

**Mackamide**<sup>®</sup> **S** – Acts as a foam booster and stabilizer when blended with anionic surfactants in solid applications such as bar soap.

Mackam<sup>™</sup> 2S – An extremely mild surfactant, used in baby shampoos. Stable in strong alkaline systems.

## **SOLVENT SYSTEMS INTERNATIONAL**

Hero Biobased Ultra-Solve – Boosts methyl ester's cleaning power by adding a surfactant and making the solvent rinsable with water. Cleans and protects surfaces by removing oil and grease, leaving a corrosion-resistant barrier if desired. Use as a biobased replacement for more hazardous solvents such as mineral spirits. Can be used in any parts washer.

## **STEPAN**

Accosoft 750 – A laundry fabric softener.

**Petrostep Q-50S** – Used as a down hole corrosion inhibitor in oil wells.

WELCH HOLME & CLARK CO., INC. Lecithin – Crude, unbleached, food-grade.

# TECHNICAL-GRADE SOYBEAN OILS

## **CARGILL INDUSTRIAL OILS AND LUBRICANTS**

Technical-Grade Soybean Oils – Refined, bleached and deodorized soybean oil used in paints, varnishes, alkyd resins, epoxidized oils, pharmaceuticals, printing inks and pesticide carriers. Food-grade applications available as well. Fully refined and deodorized. Meets the requirements for edible uses.

## CHARKIT CHEMICAL CORP.

Refined Food-Grade Soybean Oil -

Drum lots for food.

## **ELEVANCE**

Elevance's waxes are used in candles, polishes and coatings as an alternative to raw materials with supply problems and performance limitations such as paraffin, beeswax and carnauba.

Inherent<sup>™</sup> – Biobased lubricant base oils and additives enable improved performance for the fast growing synthetic lubricants market.

Molecularly identical drop-in fuels use multiple renewable feedstocks to cost-effectively replace diesel and jet fuels.

## FEED ENERGY CO.

**Industrial Vegetable Oils** – Available for use in a wide range of industrial applications.

#### **GALATA CHEMICALS**

**Drapex 38** - Epoxidized soybean oil.

ICC CHEMICAL CORPORATION
Epoxidized Soybean Oil

LAMBERT TECHNOLOGIES CORP. Soybean Oil

**Unrefined Soybean Oils** 

# UNREFINED SOYBEAN OILS

CARGILL INDUSTRIAL OILS & LUBRICANTS
Crude Soybean Oil – Unrefined soybean oil.

Soya Pre-Fatty Acids - Soy fatty acids.

# **WAXES**

## BITTER CREEK CANDLE SUPPLY, INC.

All-Soy 100 Percent Soy Flakes – Can be used in candles as a base candle wax or as an additive to other waxes. Used in toiletry and cosmetics such as lip balm, cold process soap, lotion bars and solid perfume balms.

## **ECOSOYA WAX:**

ECO CB120 – Container blend flakes with a melting point of 120 degrees Fahrenheit.

Made from pure, 100 percent natural botanical oils with a soybean base. Generally burns longer than paraffin candle waxes. Burns cleaner with reduced carbon buildup and no pollutants.

Environmentally friendly.

**ECO PB** – Pillar blend flakes with a melting point of 140 degrees Fahrenheit.

**ECO CB135** – Container blend flakes with a melting point of 135 degrees Fahrenheit.

Soy Lip and Body Balm Base – An all-natural product formulated for making easy melt and pour lip balms as well as solid lotion bars, solid perfume sticks, massage bars, cosmetic glitter sticks and more.

#### **CARGILL BIOH POLYOLS**

**Elite 200 Soy Wax** – A vegetable-blend wax used for container candle applications.

**Elite 300 Pillar Wax** – Used for container candle applications.

P-1 – Used for pillar/taper candle applications.

S-97, S-100, S-113, S-118, S-130, S-14, S-155 – One hundred percent soy waxes used for blending with paraffin or alone for multiple applications.

**V-1** – A vegetable blend used for votive/tart candle applications.

## **ELEVANCE**

Waxes used in candles, polishes and coatings.

NatureWax® products currently hold the major share of the growing soy/vegetable candle wax market.

## **GALATA CHEMICALS, INC.**

**Soypex**® **100** – A soy-based replacement for paraffin wax in candles.

## NATURE'S GIFTS INTERNATIONAL, LLC

**CB-Xcel** – Soy wax that is molecularly blueprinted to control polymorphism. It has extreme resistance to bloom and wet spots, while producing an excellent scent. It maintains an even burn pool with consistent color retention.

**Eco-Wick Wax** – Soy wax for wick coating. Specifically designed to keep wicks rigid and erect in melted wax while maintaining flexibility and excellent coating properties.

Ecosoya CB Advanced and 135 – Used in container candles. Formulated with a creamy white appearance along with the best burn characteristics of EcoSoya container waxes.

**Ecosoya PB** – Wax for all pillar candles and for wax dipping.

# PETER CREMER NORTH AMERICA

**Soy Wax Blends** – Candle wax blends containing soybean oil.

# **COMPANY**LISTINGS

The companies listed are contacted annually to verify that their products contain soy in some form and are available for sale. In some cases, new products will be launched, and other products may no longer be available. Many companies have indicated an interest in wholesale distribution, and resellers are encouraged to contact them directly. **USB** does not provide any guarantee or warranty of the products or suppliers.

## **A&W PRODUCTS, INC.**

1041 Astondale Road Bishop, GA 30621 P. 706-769-9012 http://aw-emulsions.com/ applications/

#### **ADCO**

100 Tri State International Suite 135 Lincolnshire, IL 60069 P. 847-282-3485 F. 847-282-3481 www.adcoglobal.com

## **AEROSCIENCE, INC.**

2700 SW 14th Street
Pompano Beach, FL 33069
P. 800-327-1835
F. 954-977-7513
www.cpcaeroscience.com
info@cpcaeroscience.com

# AFTON CHEMICAL CORPORATION

500 Spring Street Richmond, VA 23219 P. 804-788-5800 P. 800-403-0044 www.aftonchemical.com

# AG ENVIRONMENTAL PRODUCTS

P.O. Box 2047 12700 West Dodge Road Omaha, NE, 68103-2047 P. 800-599-9209 F. 913-599-2121 www.soygold.com snogel@agp.com

## **AGRILIANCE (SEE CENDAK)**

501 North Street West Harvey, ND 58341 P. 701-324-4450 P. 800-205-7336 F. 701-324-4801 www.cendakcoop.com jwengels@gondtc.com

# AKZO NOBEL SURFACE CHEMISTRY LLC

525 West Van Buren Street Chicago, IL 606607-3823 P. 312-544-7000 F. 312-544-7410 www.skzonobel.com csrusa@akzonobel.com

# ALDEN & OTT PRINTING INKS COMPANY

616 E. Brook Drive Arlington Heights, IL 60005 P. 847-956-6830 F. 847-956-6509 www.aldenottink.com info@aldenottink.com

# AMERICAN COATINGS CORPORATION

3037 N.W. 60th Street Ft. Lauderdale, FL 33309 P. 800-533-0151 F. 954-970-3690 info@goamerco.com www.goamerco.com

## AMERICAN LEATHER

www.americanleather.com

# APPLIED PROTEIN SYSTEMS

7311 Highway 329 Suite 1004 Crestwood, KY 40014 P. 502-241-0525 F. 502-241-0527 www.appliedproteins.com sales@appliedproteins.com

# ARCHER DANIELS MIDLAND COMPANY

4666 Faries Parkway Decatur, IL 62526 P. 800-637-5843 P. 217-424-5200 F. 217-424-5467 www.admworld.com info@adm.com

# ARCHER PETROLEUM (GROWMARK)

2200 South Avenue Council Bluffs, IA 51503 P. 800-798-6457 P. 712-322-4038 F. 712-322-2749 www.growmark.com archeroilweb@growmark.com

# ARKEMA, INC.

900 First Avenue King of Prussia, PA 19406 P. 800-225-7788 F. 610-205-7634 www.arkema.com

## **ASHLAND. INC.**

50 E. RiverCenter Boulevard P.O. Box 391 Covington, NY 41012-0391 USA P. 859-815-3333

## **ASHLEY FURNITURE**

www.ashland.com

www.ashleyfurniture.com

# **ASTRO TURF**

2680 Abutment Road SE Dalton, GA 30721 P. 800-723-8873 F. 706-277-1128 www.astroturfusa.com ssquires@astroturf.com

## ATAGENCER, LLC

P.O. Box 470812 Cleveland, OH 44147 P. 216-233-5486 F. 216-803-2520 www.atagencer.com mgencer@prodigy.net

## ATHEA LABORATORIES, INC.

1900 West Cornell Street Milwaukee, WI 53209 P. 855-705-6493 P. 414-354-6417 F. 414-354-9219 www.athea.com info@athea.com

## **BARCO PRODUCTS**

11 N. Batavia Drive Batavia, IL 60510 P. 866-359-9401 F. 630-444-1584 www.barcoproducts.com customerservice@ barcoproducts.com

## **BASF CORPORATION**

North America P. 973-245-6000 P. 800-526-1072 www.agro.basf.com

## **BAUHAUS USA, INC.**

1 Bauhaus Drive Saltillo, MS 38866 P. 662-869-2664 www.bauhaususa.com

# BAYER MATERIAL SCIENCE LLC

100 Bayer Road Pittsburgh, PA 15205-9741 P. 800-662-2927 P. 412-777-2000 F. 412-777-3899 www.bayermaterialsciencenafta.com

## **BENNINGTON CANDLES**

P.O. Box 526 Shaftsbury, VT P. 888-314-3003 www.benningtoncandle.com

# BI-O-KLEEN INDUSTRIES, INC.

P.O. Box 820689 Vancouver, WA 98682 P. 800-477-0188 F. 360-576-0065 www.bi-o-kleen.com sales@bi-o-kleen.com

# BIOBASED ASPHALT SYSTEMS, INC.

Sidney, OH 45365 P. 888-743-7319 F. 937-660-6875 www.biorestor.com info@biorestor.com

2506 Fair Road

## BIOBASED TECHNOLOGIES, LLC

1200 Stewart Place Springdale, AR 72764 P. 877-476-5965 www.biobasedtechnologies.com agrol@biobased.net

## BIOBENT POLYMERS

P. 513-658-5560 kmasavage@biobent.com

# BIOSPAN TECHNOLOGIES, INC.

P.O. Box 4222
Ballwin, MO 63022
P. 800-730-8980
P. 636-583-7974
F. 636-583-1773
www.biospantech.com
info@biospantech.com

## BIOSYNTHETIC TECHNOLOGIES

2 Park Plaza Suite 200 Irvine, CA 92614 P. 949-390-5919 C. 949-500-8684 www.biosynthetic.com

# BITTER CREEK CANDLE SUPPLY, INC.

42212 County Highway E Ashland, WI 54806 P. 877-635-8929 F. 715-278-3904 www.soycandlesupplies.com info@candlesupply.com

# BRADEN SUTPHIN INK COMPANY

3650 E. 93rd Street Cleveland, OH 44105 P. 216-271-2300 F. 216-640-2892 www.bsink.com

# **BUNGE NORTH AMERICA**

11720 Borman Drive St. Louis, MO 63146 P. 314-292-2000 www.bungenorthamerica.com bna.ebusiness@bunge.com

## **C** R LAINE

www.crlaine.com

## **CABRUN INK PRODUCTS**

2020 Valetta Street
Philadelphia, PA 19124
P. 215-533-2990
F. 215-533-0869
www.cabrunink.com
cabrunink@aol.com

#### **CANDLEMART**

P.O. Box 3647 Fayetteville, AR 72701 P. 877-352-6353 F. 479-718-3614 www.candlemart.com

## **CANDLES BY CLAIRE**

P. 302-547-9561 www.candlesbyclaire.com claire@candlesbyclaire.com

## CARGILL BIOH POLYOLS AND CARGILL INDUSTRIAL OILS AND LUBRICANTS

P.O. Box 5700, MS 66
Minneapolis, MN, 55440
P. 800-842-3631
www.bioh.com
bioh@cargill.com
www.techoils.cargill.com
techoils@cargill.com

# CELANESE

222 W. Las Colinas Boulevard Irving, TX 75039 P. 877-832-7782 F. 203-299-1355 www.celanese.com emulsionstechservice@ celanese.com

## CENDAK (FORMERLY AGRILIANCE)

501 North Street West Harvey, ND 58341 P. 701-324-4450 P. 800-205-7336 F. 701-324-4801 www.cendakcoop.com jwengels@gondtc.com

# CENEX CHS, INC.

5500 Cenex Drive Inver Grove Heights, MN 55077 P. 651-355-6000 P. 800-232-3639 www.chsinc.com

# CENTRAL INK CORPORATION

1100 N. Harvester Road West Chicago, IL 60185 P. 800-345-2541 F. 630-231-6554 www.cicink.com

## CHARKIT CHEMICAL CORP.

32 Haviland Street Norwalk, CT 06854 P. 203-299-3220 F. 203-299-1355 www.charkit.com sales@charkit.com

# **CHEMISPHERE**

2101 Clifton Avenue Saint Louis, MO 63139 P. 800-844-1301 info@masticremover.com

# **CHEMOL COMPANY, INC.**

2300 Rondolph Avenue Greensboro, NC 27416 P. 336-333-3071 F. 336-273-4645 frdwellns@aol.com

## **CHS LUBRICANTS**

5500 Cenex Drive Inver Grove Heights, MN 55076 P. 800-232-3639 P. 651-355-8437 F. 651-355-5004 www.cenex.com lubricants@chsinc.com

## **CISCO BROTHERS**

5955 S. Western Avenue Los Angeles, CA 90047 P. 323-778-8612 F. 323-778-9073 www.ciscobrothers.com

## **COLONIAL CHEMICAL. INC.**

P.O. Box 111

South Pittsburg, TN 37380

P. 800-830-2436

P. 423-837-8800

F. 888-624-3642

www.colonialchem.com

iim@colonialchem.com

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1050 Elizabeth Drive Nicholasville, KY 40356 P. 859-881-1200 F. 561-266-8878 www.soytek.com info@soytek.com

## SOYA SYSTEMS, INC.

9833 Watson Road St. Louis, MO 63126 P. 800-533-9599 F. 314-428-2654 www.soya.com soya@soya.com

## SOYCANDLEWORKS

23123 Oakview Heights Drive Fergus Falls, MN 56537 P. 218-998-2286 F. 218-736-4663

www.soycandleworks.com sales@soycandleworks.com

## **SOYSAFE PRODUCTS, INC.**

20 N. Lincoln Street
Batavia, IL 60510
P. 866-359-9401
P. 630-444-1580
F. 630-444-1584
www.soysafe.com
customerservice@barcoproducts.com

#### SOYSOFT. INC.

6300 Westwood Court Edina, MN 55436 P. 800-668-2262 P. 952-935-8745 Soysoft@aol.com

## SOYSOLV INC.

6154 N. Country Road 33 Tiffin, OH 44883 P. 419-992-4570 F. 419-992-4595 www.soysolv.com steve@soysolv.com

# SPARTAN CHEMICAL COMPANY

1110 Spartan Drive Maumee, OH 43537 P. 419-531-5551 P. 800-537-8990 Spartanchemical.com Spartan@spartanchemical.com

## **SPRAYON**

101 Prospect Avenue NW Cleveland, OH 44114 P. 800-777-2966 http://www.sprayon.com/contactus/

# STATES INDUSTRIES LLC

P.O. Box 41150 Eugene, OR 97404 P. 541-688-7871 P. 800-626-1981 www.statesind.com info@Statesind.com

#### **STEPAN**

22 West Frontage Road Northfield, IL 60093 P. 847-446-7500 F. 847-501-2100 www.stepan.com

# SUN CHEMICAL CORPORATION

35 Waterview Boulevard Parsippany, NJ 07054-1285 P. 973-404-6000 F. 973-404-6001 www.sunchemical.com

## **TERRESOLVE TECHNOLOGIES (SEE RSC)**

www.terresolve.com memiller@terresolve.com

## **TEXTILE RUBBER** & CHEMICAL CO.

1300 Tiarco Drive Southwest Dalton, GA 30721-1909 P. 706-277-1300 F. 706-277-1111 www.trcc.com ilyost@gapac.com

# THE CLEAN ENVIRONMENT **COMPANY**

13305C Omaha, NE 68144 P. 800-266-2353 F. 402-537-0014

www.cleanenvironmentco.com envirocycl@aol.com

# THE COMPOSITES GROUP (AKA PREMIX)

Route 20 and Harmon Road North Kingsville, OH 44068-0281 P. 440-224-7247 www.thecompositesgroup.com

## THE FUTON SHOP

P.O. Box 281

P. 800-44-FUTON F. 415-920-6800 Customer-Service@ TheFutonShop.com

## TIMBER OX. INC.

2133 E 226th Street Cicero, IN 46034 P. 317-758-5942 F. 317-758-5955 www.timberoxgreen.com lyn@timberoxgreen.com

## **TOYO INK AMERICA, LLC**

710 W. Belden Avenue Addison, IL 60101 P. 630-930-5100 F. 630-628-1769 www.toyoink.com

## TRI-FLOW LUBRICANTS

www.triflowlubricants.com

## TSE INDUSTRIES. INC.

4370 112th Terrace North Clearwater, FL 33762 P. 800-237-7634 P. 727-573-7676 www.tse-industries.com

# TTI FLOOR CARE **NORTH AMERICA**

7005 Cochran Road Glenwillow, OH 44139 P. 888-321-1134 www.ttifloorcare.com

# TWIN CHEMICAL, INC.

5010 Hickory Hills Drive Suite B Woodstock, GA 30188 P. 800-442-4958 F. 770-524-6147 www.twin-chemicals.com sales@twin-chemicals.com

## **ULTRA LUBE PLEWS** & EDELMANN

1550 Franklin Grove Road

Dixon, IL 61021 P. 800-770-4639 P. 815-288-3344 F. 815-288-3388 www.ultralube.com

# UNIBOARD

P. 800-361-7502 F. 450-664-6000 www.uniboard.com

## **U.S. INK**

651 Garden Street Carlstadt, NJ 07072 P. 201-935-8666 F. 201-933-3728 www.usink.com

## **USA SOY SOLUTIONS**

2150 W. Michigan Street #232 Sidney, OH 45361 P. 877-769-6451 www.usasoysolutions.com keith@usasoysolutions.com

## **UNIVERSAL TEXTILE TECHNOLOGIES**

204 West Industrial Boulevard Dalton, GA 30720 P. 706-876-5604 www.universal-textile.net douggiles@universal-textile.net

## **VANGUARD FURNITURE**

www.vanguardfurniture.com

# **VERTEC BIOSOLVENTS, INC.**

1441 Branding Lane Suite 100 Downers Grove, IA 60515 P. 630-960-0600 F. 630-960-0660 www.vertecbiosolvents.com vertecbio@aol.com

## **VICTORY INK COMPANY, INC.**

119 Citation Court Birmingham, AL 35209 P. 205-942-3871 F. 205-942-1540 sales@maxtoolinc.com www.maxtoolinc.com

## W. F. TAYLOR

11545 Pacific Avenue Fontana, CA 92337 Toll-Free Office Number: P. 800-397-4583 Local Office Numbers: P. 951-360-6677 F. 951-360-1177 Customer Service Center -Call-in orders: P. 866-818-7434 (toll-free) F. 951-360-3116 (orders) www.wftavlor.com order@wftaylor.com

# **WELCH HOLME** & CLARK CO., INC.

7 Avenue L Newark, NJ 07105 P. 973-465-1200 F. 973-465-7332 www.welch-holme-clark.com whc@welch-holme-clark.com

## **WEST CENTRAL SOY**

P.O. Box 68 Ralston, IA 51549 P. 800-843-4769 F. 712-667-3479 www.soypower.net bevt@westcentral.net

#### WEST POINT PRODUCTS

P.O. Box 50 Schoolhouse Lane Valley Grove, WV 26060 P. 800-624-6991 www.westpointproducts.com pteufel@westpointproducts.com

#### WFI URETHANE SOLUTIONS

727 Post Road East Westport, CT 06880 P. 203-227-5988 www.wfi-global.com

# **WIKOFF COLOR CORPORATION**

1886 Merritt Road Fort Mill. SC 29715 P. 803-548-2210 F. 803-548-5728 www.wikoff.com don.duncan@wikoff.com

## **WORKCELL SYSTEMS, INC.**

P.O. Box 1645 Highland Park, IL 60035 P. 847-579-0595 F. 847-579-0517 www.workcellsystems.com rsoble@workcellsystems.com

# **WORLD ENERGY ALTERNATIVES**

90 Everett Avenue Chelsea, MA 02150 P. 617-889-7300 F. 617-887-2411 www.worldenergy.net geneg@worldenergy.net

## **ZEP SUPERIOR SOLUTIONS**

1310 Seaboard Industrial Drive Atlanta, GA 30318 P. 404-352-1680 www.zep.com

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The United Soybean Board (USB) is committed to supporting innovative soy-based research for new product development.

Think Resourceful. Since 2000, world production of soybeans has increased by more than 40 percent, or more than twice the rate of population growth.

Think Reliable. The molecular structure of soybean oil can be readily modified in many applications as a replacement for petrochemicals, and soy oil products can deliver performance that meets or exceeds industry standards.

Think Responsible. Life cycle assessment studies show environmental benefits including lower carbon dioxide emissions, and less energy production costs.



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