

BIO-BASED

**Produced from
Renewable
Resources**



**Now Preferred
as Part of Greening
Many Facilities**

The federal government is looking to set the example, based on Executive Order 13423.

How can United Laboratories, Inc. help you to select the right bio-based products for your needs?

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WHAT IS BIO-BASED?

Depending who you ask that question of, you may get different answers.

The general definition of bio-based as defined by the 2002 Farm Bill, is commercial or industrial products (not including food or feed) that are composed in whole, or in significant part, of biological products, renewable agricultural materials (including plant, animal and marine materials), or forestry materials. Typically these products should have a minimum of 25% bio-based content.

The USDA BioPreferred program expands this definition. The USDA created different product category definitions, assigning the minimum percentage of bio-based content needed within a product to qualify as being bio-based or BioPreferred for that product category.

Their definition further details that the bio-based content of a product is the amount of carbon in the product that comes from a renewable plant, animal or marine resource. That biological carbon further must not be petroleum derived. Following these guidelines the bio-based products are more environmentally friendly, typically more biodegradable, and have lower disposal costs than the petroleum products they are meant to replace.

As the USDA BioPreferred program continues with its implementation, producers can list themselves in a general USDA catalog for products that comply based on the definitions set forth. They can also now go a step further and invest in BioPreferred labeling to help make these products more easily identifiable for those procuring the products.

WHAT IS DRIVING THE BIO-BASED MOVEMENT?

One driving factor toward purchasing bio-based products is the continuation of the green movement, by which we all reflect our social and environmental responsibility by utilizing products that are safer for both the user and the environment. However; this is not the largest factor at this time.

Presidential Executive Order (EO) 13423, "Strengthening Federal, Environmental, Energy, and Transportation Management," and **EO 13514, "Federal Leadership in Environmental, Energy and Economic Performance,"** mandate the purchase of bio-based products, along with other directives, for federal facilities, government agencies and the military. While these are not new Executive Orders, they were put in place with timelines for compliance. With clearer definitions of bio-based and the deadlines for compliance nearer on the horizon, the push is back on to make sure the federal facilities are setting the example for all of us to follow.

Goals included in EO 13423:

- **Energy Efficiency** – Reduce energy intensity 30% by 2015, compared to 2003 baseline.
- **Greenhouse Gases** – Reduce greenhouse gas emissions through reduction of energy intensity 30% by 2015, compared to 2003 baseline.
- **Water Conservation** – Reduce water consumption intensity by 16% by 2015, compared to 2007 baseline.
- **Pollution Prevention** – Reduce use of chemicals and toxic materials and purchase lower risk chemicals and toxic materials.
- **Procurement** – Expand purchases of environmentally sound goods and services, including bio-based products.

EO 13514 Expands on the above, including:

- **Water Conservation** – Increasing reduction to 26% by 2020 compared to 2007 baseline.
- **Procurement** – Ensure 95% of new contract actions (task and delivery orders) are energy-efficient, water-efficient, bio-based, environmentally preferable, generally non-toxic, and contain recycled content.

UNITED CAN HELP WITH THE GOALS NOTED ABOVE

While our focus here is on bio-based products that will help with procurement and pollution prevention goals, it is important to note that other products in United's line can be key factors in helping with other areas as well.

Water Conservation/Energy Efficiency/Greenhouse Gases – United's **Cycle Smart™** program and products used in cooling tower systems will increase efficiency, provide energy savings and conserve water.

Pollution Prevention/Procurement – In addition to the bio-based products United offers, United has been supplying **Earth Smart® Certified** products since 1992. These products are safer for both users and the environment, providing green alternatives that work.



UNITED'S BIO-BASED PRODUCTS FOLLOWING USDA DEFINITIONS

Items listed below meet the USDA's BioPreferred definitions according to the product groupings shown and the minimum bio-based content the USDA requires for those product groups (shown in parenthesis).*

Adhesive and Mastic Removers (58%)

- 180 SOLV-ALL Universal Degreaser & Tar Remover
- 181 SMART SOLVE® Universal Degreaser
- 182 GumAway 180+ Gun and Candle Wax Remover
- 605 SMART SOLVE® Universal Liquid Degreaser
- 607 SMART SOLVE® Degreaser Wipes
- 627 SMART SOLVE® Graffiti Wipes
- 638 SOLAR GOLD Universal Solvent
- 696 SOLAR GOLD Gellable Tar Remover
- 880 SUN-SOLV Universal Solvent
- 2000 HARVEST GOLD Water-Rinseable Universal Degreaser
- 2003 HARVEST GOLD Water-Rinseable Mastic Remover

Air Fresheners and Deodorizers (97%)

- 28 AIR LOCK Urinal and Drain Treatment

Bathroom and Spa Cleaners (74%)

- 397 SHOWER X-TRA POWER Fizzing Mold and Mildew Stain Remover
- 700 SUN-LITE Multi-Purpose Cleaner for Housekeeping
- 777 LIQUID SUNSHINE All-Purpose Degreaser-Cleaner for Housekeeping Applications
- 777U UNSCENTED SUNSHINE All-Purpose Degreaser-Cleaner

Carpet and Upholstery Cleaners - General Purpose (54%)

- 357 SUN-IN Carpet Shampoo Concentrate

Carpet and Upholstery Cleaners - Spot Removers (7%)

- 231 VANISHING ACT Industrial Strength Spot and Stain Remover

Concrete and Asphalt Release Fluids (87%)

- 796 E-Z-GOLD Harvest Gold Based Asphalt Release Agent

Glass Cleaners (49%)

- 587 GREEN 'N GLISTEN Concentrated Glass Cleaner
- 588 GREEN 'N GLISTEN II Concentrated Glass Cleaner
- 700 SUN-LITE Multi-Purpose Cleaner for Housekeeping
- 776 BERRY BEST All-Purpose Degreaser
- 777 LIQUID SUNSHINE All-Purpose Degreaser-Cleaner for Housekeeping Applications
- 777U UNSCENTED SUNSHINE All-Purpose Degreaser-Cleaner
- 914 BEAMING GREEN Glass Cleaner

Graffiti and Grease Removers (34%)

- 51 Foaming Oven and Grill Cleaner
- 60 NEUTRA-CLEAN Floor Maintenance Restorer
- 65 CLEAN 'N SURE Floor Cleaner with Reduced Slip Additive
- 118 OUTRAGEOUS ORANGE Professional Strength Stainless Steel Cleaner and Polish
- 177 SUNSHINE IN A CAN Spray & Wipe Degreaser-Cleaner
- 180 SOLV-ALL Universal Degreaser & Tar Remover
- 181 SMART SOLVE® Universal Degreaser
- 222 SUPER ORANGE JEL
- 250 EARTH SMART® DIRTY FIGHTER Demulsifying Degreaser
- 251 EARTH SMART® DIRTY FIGHTER RTU Demulsifying Degreaser
- 252 EARTH SMART® DIRTY FIGHTER Low Foam Demulsifying Degreaser
- 350 EARTH SMART® DIRTY FIGHTER II Demulsifying Degreaser
- 394 DRAIN MAINTAINER Slime & Grease Cutter
- 396 Tar Remover
- 435 PHASER FRESH FLASH All-Purpose Cleaner
- 444 WHISTLE Jel Cleaner Wax
- 526 Vandal Mark Remover
- 535 MINTY CLEAN All-Purpose Cleaner
- 555 DUO-ZYME™ Earth Smart® Enzyme Treatment for Drain System Maintenance and All-Purpose Cleaning
- 603 SMART SOLVE® Tar Remover
- 605 SMART SOLVE® Universal Liquid Degreaser
- 607 SMART SOLVE® Degreaser Wipes

Graffiti and Grease Removers (34%)

- 608 SMART SOLVE® Gelled Graffiti Remover
- 612 FLEET-ZYME Degreaser/Cleaner for Vehicle and Equipment Maintenance
- 627 SMART SOLVE® Graffiti Wipes
- 631 SOLAR GOLD Drain Maintainer, Slime and Grease Cutter
- 632 SOLAR GOLD Tar Remover
- 634 SOLAR GOLD Dumpster Degreaser
- 638 SOLAR GOLD Universal Solvent
- 696 SOLAR GOLD Gellable Tar Remover
- 700 SUN-LITE Multi-Purpose Cleaner for Housekeeping
- 727 WEATHER-ZYME Building and Exterior Cleaner
- 776 BERRY BEST All-Purpose Degreaser
- 777 LIQUID SUNSHINE All-Purpose Degreaser-Cleaner for Housekeeping Applications
- 777U UNSCENTED SUNSHINE All-Purpose Degreaser-Cleaner
- 880 SUN-SOLV Universal Solvent
- 912 BLUE GEM Vehicle Wash and Wax
- 955 DUO-ZYME™ Earth Smart® Enzyme Treatment for Drain System Maintenance and All-Purpose Cleaning in Food Service Areas
- 956 DUO-ZYME™ with Freeze Protection Earth Smart® Enzyme Treatment for Drain System Maintenance and All-Purpose Cleaning in Food Service Areas
- 2000 HARVEST GOLD Water-Rinseable Universal Degreaser
- 2001 HARVEST GOLD Water-Rinseable Tar Remover
- 2002 HARVEST GOLD Dip Tank Degreaser

Hand Cleaners (64%)

- 379 MEDI-CRÈME Antimicrobial Hand Cleanser
- 607 SMART SOLVE® Degreaser Wipes
- 2007 GOLDFINGERS Harvest Gold Water-Activated Hand Cleanser

Hand Sanitizers (73%)

- 264 CONTACT Instant Antiseptic Hand Sanitizer
- 364 CONTACT PLUS Instant Antiseptic Hand Sanitizer
- 369 HAND-D-WIPES Hand Sanitizer
- 379 MEDI-CRÈME Antimicrobial Hand Cleanser
- 464 PUMP & PROTECT Alcohol Hand Sanitizer
- 562 BAC-OFF Antibacterial Hand Wipes
- 764 MICROMOUSSE Alcohol-Free Hand Sanitizing Foam

Industrial Cleaners (41%)

- 51 Foaming Oven and Grill Cleaner
- 60 NEUTRA-CLEAN Floor Maintenance Restorer
- 134 SOLAR GOLD Bug & Tar Remover
- 177 SUNSHINE IN A CAN Spray & Wipe Degreaser-Cleaner
- 180 SOLV-ALL Universal Degreaser & Tar Remover
- 181 SMART SOLVE® Universal Degreaser
- 250 EARTH SMART® DIRTY FIGHTER Demulsifying Degreaser
- 251 EARTH SMART® DIRTY FIGHTER RTU Demulsifying Degreaser
- 252 EARTH SMART® DIRTY FIGHTER Low Foam Demulsifying Degreaser
- 350 EARTH SMART® DIRTY FIGHTER II Demulsifying Degreaser
- 394 DRAIN MAINTAINER Slime & Grease Cutter
- 396 Tar Remover
- 435 PHASER FRESH FLASH All-Purpose Cleaner
- 494 TRIPLE D Dumpster Degreaser
- 526 Vandal Mark Remover
- 535 MINTY CLEAN All-Purpose Cleaner
- 555 DUO-ZYME™ Earth Smart® Enzyme Treatment for Drain System Maintenance and All-Purpose Cleaning
- 603 SMART SOLVE® Tar Remover
- 605 SMART SOLVE® Universal Liquid Degreaser
- 608 SMART SOLVE® Gelled Graffiti Remover
- 612 FLEET-ZYME Degreaser/Cleaner for Vehicle and Equipment Maintenance
- 627 SMART SOLVE® Graffiti Wipes
- 631 SOLAR GOLD Drain Maintainer, Slime and Grease Cutter
- 632 SOLAR GOLD Tar Remover

Industrial Cleaners (41%) Continued

- 634 SOLAR GOLD Dumpster Degreaser
- 638 SOLAR GOLD Universal Solvent
- 696 SOLAR GOLD Gellable Tar Remover
- 700 SUN-LITE Multi-Purpose Cleaner for Housekeeping
- 727 WEATHER-ZYME Building and Exterior Cleaner
- 766 TURBO-ZYME Heavy-Duty Presoak Degreaser
- 777 LIQUID SUNSHINE All-Purpose Degreaser-Cleaner for Housekeeping Applications
- 777U UNSCENTED SUNSHINE All-Purpose Degreaser-Cleaner
- 880 SUN-SOLV Universal Solvent
- 912 BLUE GEM Vehicle Wash and Wax
- 955 DUO-ZYME™ Earth Smart® Enzyme Treatment for Drain System Maintenance and All-Purpose Cleaning in Food Service Areas
- 2000 HARVEST GOLD Water-Rinseable Universal Degreaser
- 2001 HARVEST GOLD Water-Rinseable Tar Remover

Laundry Products - Pretreatment/Spot Removers (46%)

- 231 VANISHING ACT Industrial Strength Spot and Stain Remover

Metal Working Fluids - Straight Oils (66%)

- 968 UNI-KUT CNC Cutting Oil

Multi-Purpose Cleaners (56%)

- 118 OUTRAGEOUS ORANGE Professional Strength Stainless Steel Cleaner and Polish
- 177 SUNSHINE IN A CAN Spray & Wipe Degreaser-Cleaner
- 180 SOLV-ALL Universal Degreaser & Tar Remover
- 181 SMART SOLVE® Universal Degreaser
- 227 STARBURST Stainless Steel and Metal Polish
- 394 DRAIN MAINTAINER Slime & Grease Cutter
- 396 Tar Remover
- 435 PHASER FRESH FLASH All-Purpose Cleaner
- 494 TRIPLE D Dumpster Degreaser
- 535 MINTY CLEAN All-Purpose Cleaner
- 555 DUO-ZYME™ Earth Smart® Enzyme Treatment for Drain System Maintenance and All-Purpose Cleaning
- 603 SMART SOLVE® Tar Remover
- 605 SMART SOLVE® Universal Liquid Degreaser
- 607 SMART SOLVE® Degreaser Wipes
- 612 FLEET-ZYME Degreaser/Cleaner for Vehicle and Equipment Maintenance
- 631 SOLAR GOLD Drain Maintainer, Slime and Grease Cutter
- 632 SOLAR GOLD Tar Remover
- 634 SOLAR GOLD Dumpster Degreaser
- 638 SOLAR GOLD Universal Solvent
- 696 SOLAR GOLD Gellable Tar Remover
- 700 SUN-LITE Multi-Purpose Cleaner for Housekeeping
- 727 WEATHER-ZYME Building and Exterior Cleaner
- 766 TURBO-ZYME Heavy-Duty Presoak Degreaser
- 777 LIQUID SUNSHINE All-Purpose Degreaser-Cleaner for Housekeeping Applications
- 777U UNSCENTED SUNSHINE All-Purpose Degreaser-Cleaner
- 880 SUN-SOLV Universal Solvent
- 912 BLUE GEM Vehicle Wash and Wax
- 955 DUO-ZYME™ Earth Smart® Enzyme Treatment for Drain System Maintenance and All-Purpose Cleaning in Food Service Areas
- 2000 HARVEST GOLD Water-Rinseable Universal Degreaser
- 2001 HARVEST GOLD Water-Rinseable Tar Remover

Parts Wash Solution (65%)

- 2002 HARVEST GOLD Dip Tank Degreaser

Sorbents (89%)

- 201 Deodorizing Pellets

*Note: While these products meet the USDA definitions for BioPreferred, they are not currently registered for the USDA Certified Biobased Product labeling program.

UNITED'S BIO-BASED PRODUCTS FOLLOWING GENERAL DEFINITION

United also has a number of additional products that may not currently fall into the USDA product categories as defined, but are however, considered bio-based following the guidelines of the general definition referenced earlier. The products listed below, as well as the products listed in the previous section meet the general definition of bio-based.

12	Reflecting Car Shampoo Concentrate	584	Wastewater Plant Nitrifying Bacteria
22	AQUA-SPONGE	593	CITRAIN Floor Drain Treatment
50	PINK MARVEL Cleaner Descaler	594	Slime and Grease Cutter
54	DOUBLE SUDDS Liquid Dishwashing Concentrate	596	E-Z-GO Asphalt Release Compound
55	IMPACT Granules Living Bacteria		
61	Wax Stripper	602	SMART SOLVE® Drain Maintainer
64	BACFIGHTER	604	SMART SOLVE® Lift Station Maintainer
84	WWTP Freeze-Dried Bacteria with Enzyme Implant	629	GRUNGE GRIPPERS Heavy-Duty Hand Cleaner Wipes
88	TEN STRIKE Safe-Way Cleaner	630	SOLAR GOLD Grease Trap Maintainer
		633	SOLAR GOLD Lift Station Maintainer
110	GRINDER MINDER Garbage Disposal Cleaner	636	SOLAR GOLD Floor Drain Treatment
141	BIO BRIGADE FRESH AIR™ Insecticide	637	SOLAR GOLD Slime and Grease Cutter
		661	Polymer Solvent
223	SALT-B-GONE Ice Melt Residue Remover	755	Liquid IMPACT Living Bacteria
229	BIO BRIGADE ODOR LASER Universal Odor Eliminator	756	LIFT-ZYME Wastewater Treatment for Sanitary Collection Systems
239	SLEEP TIGHT Bed Bug Spray	757	NEM-BAC Gelled Drain Treatment
241	BIO BRIGADE FRESH AIR™ Insecticide	758	MERINGUE Foaming Antibacterial Hand Soap
247	BIO BRIGADE DRAIN MEMBRANE		
248	BIO BRIGADE DEVOUR-DX Drain Maintainer	841	BIO BRIGADE MIDGE VANQUISHER Insecticide
249	BIO BRIGADE CONTACT INSECTICIDE with Fresh Air™ Technology	842	Devour Power for Drain Maintenance
262	HEPACIDE Broad Spectrum Disinfectant	844	Devour Power for Grease Trap Maintenance
266	Earth Smart® Chiller Coil Cleaner	846	FOG-Away Pretreatment for Wastewater
268	FRONT LINE F.O.G. Control	847	GUARDIAN for Grease Traps and Drains
279	AQUA ROMA Foaming Body and Hair Shampoo	848	ENDEAVER for Sanitary Wastewater
280	ZYME-SCREEN Enzyme Urinal Screen/Bloc	850	H ₂ SORB Odor and H ₂ S Gas Absorbent
		854	GAS-AWAY Wastewater Control and Degassing Agent
310	Boiler Treatment for Steam Boilers Up to 150 PSI	855	LIQUID IMPACT + Living Bacteria & Enzyme Implant for Waste Digestion and Odor Control
316	TOWERMATE Liquid Cooling Tower Treatment	856	BIO-ACCEL for Grease and Odor Control in Wastewater Environments
320	Hot Water Boiler Treatment	884	BioFarm®/BioCharge Cylinder and Bacteria Cartridge System for Grease Control
323	Closed Loop Chiller System Treatment	888	GAS MASTER H ₂ S Inhibitor Charge
354	Carpet Shampoo Concentrate	890	SLUDGE SHARKS Lagoon and Pond Treatment
366	GOOD NEWS Heavy Duty Cleaner Degreaser	893	KONVERT-A-ZYME Wastewater Control and Degassing Agent
372	Earth Smart® Exterior Coil Cleaner	894	Zyme-Out Degassing Agent and Odor Eliminator
374	GREEN-DC All-Purpose Cleaner Degreaser		
378	BON AIRE Liquid Concentrate	961	Non-Ammoniated Polymer Solvent
381	SUNCIDE Water Based Insecticide	966	UNI-KUT LV-HD Heavy Duty Screw Machine Oil
382	BEE SAFE Biobased Crawling Insect Spray	981	LAGOON SHARKS Lagoon and Pond Treatment
384	PRE-TREAT Stabilized Liquid Bacteria & Enzyme Concentrate	983	I-C Grease Trap Maintainer
393	Grease Trap Maintainer	984	LIBERATOR Bacterial Treatment
398	Earth Smart® No-Rinse Floor Cleaner	985	OIL EATER Hydrocarbon Eliminator Block
410	BOILER TREATMENT For Steam Boilers Requiring Alkalinity Booster	987	COLD-BAC BIO BLOCK Cold Weather Block
420	Closed System Concentrate	988	GAS MASTER H ₂ S Inhibitor Block
432	PHASER GLASS BLAST Concentrated Glass Cleaner	989	SWEET NOTHINGS Fragrance Free Bacterial Deodorant
433	PHASER CLEAN SHOT Concentrated All-Purpose Cleaner	993	BacPac Foaming Drain Treatment
434	PHASER GREASE LASER Concentrated Heavy-Duty Degreaser		
455	LIQUI-ZYME Odor Eliminator (Cimarron, Newberry and Sunshine Scents)	2004	HARVEST GOLD Lift Station Maintainer
480	BIG BLUE Giant Urinal Block with Screen	2005	HARVEST GOLD Lift Station Cleaner
486	COUNT-BACTERIA Microbial Blend		
488	SANI-STRIKE Disinfectant Bowl & Bathroom Cleaner		
493	Lift Station Maintainer		
510	PIPELINE Enzyme Drain Treatment		
532	INSIDE OUT Indoor/Outdoor Mold and Mildew Stain Remover		
547	BIO BRIGADE DRAIN MEMBRANE II		
556	ZYME-TREAT™ WWT Super Concentrate Enzyme-Based Grease Pre-Digester		
558	ORANGE PUNCH Natural Citrus Hand Cleaner with Scrubbing Agents		
566	COIL SHINE Metal Brightener		
567	TOWER WASH Non-Corrosive		

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