

Federal Biobased Products Preferred Procurement Program (FB4P) Process for Industry Investigation

Designation Item

This section details the item that has been investigated for designation in the FB4P.

Item Investigated: Diesel Fuel Additives

Item Description: Biobased diesel fuel additives represent that group of products formulated as the mono alkyl esters of long chain fatty acids derived from renewable lipid sources. Typically produced through the reaction of a vegetable oil or animal fat with methanol or ethanol in the presence of a catalyst to yield glycerin and biodiesel (chemically called methyl or ethal esters). Biobased diesel fuel additives are blended with petroleum diesel for use in compression ignition (diesel) engines. Its physical and chemical properties as it relates to operation of diesel engines are similar to petroleum based diesel fuel.

Industry Investigation

There are four main sources of information used to gather data about items for designation. These include Internet search engines, the Thomas Register, industry associations, and biobased industry contacts. Each of these sources provides different results. The Internet search engines and the Thomas Register provide many results when a keyword is entered. However, when investigating products through the industry associations and biobased industry contacts, the results tend to be product or company specific. A lengthy, but thorough list of biobased companies which product the designation item can be developed best by utilizing all four information sources.

Internet Search Engines

When searching the Internet, each search engine utilizes a different algorithm to find related topics. To maximize results and ensure correct data, keywords are entered into several search engines. Primary search engines include Google, Yahoo, WebCrawler and Meta Crawler.

Search Engine	Keywords	Results
Google	Diesel Fuel Additives Fuel Additives	www.octel-starreon.com www.redlineoil.com www.amsoil.com www.infineum.com www.belladditives.com www.lubrizol.com www.oilsandlube.com www.powerservice.com
Yahoo	See above	www.motorkote.com www.performanceoiltechnology.com www.aronol.com www.bardahl.com www.stanadyne.com
Vivisimo	See above	www.slpcorp.com www.enertechlabs.com www.allsyntheticsgroup.com
Alta Vista	See above	www.thebestoil.com www.se-power.com

		www.k100fueltreatment.com www.batterystuff.com
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Thomas Register

The Thomas Register, a free web service found at <http://www.thomasregister.com/>, provides a database of over 173,000 companies that can be searched by company name, product name or keyword. Each result contains contact information and may also include other useful information such as a product catalog.

Keyword	Results
Diesel Fuel Additives	www.nitro9.biz www.stanadyne.com www.howeslube.com www.pennzoil-quakerstate.com www.enertechlabs.com
Fuel Additives	www.nitro9.biz www.technol.com www.modweldco.com www.hbind.com www.amrep.com www.48statesynlube.com www.weberoil.com www.texasrefinery.com www.modweldco.com

Industry Associations

Industry associations provide a good source to identify potential manufacturers, determine additional keywords for internet searches, and provide general descriptions of products within an item. Many associations maintain official websites with lists of member organizations and in some cases catalogs of available products.

Association Investigated / Contacted	Results
Biobased Manufacturers Association United Soybean Board Engine Manufacturer's Association National Biodiesel Board Sustainable Energy Coalition Design for the Environment Green Seal National Biodiesel Board American Soybean Association American Chemical Society American Organic Chemist Society Consumer Specialty Products Association	Griffin Industries Ag Environmental Products L.L.C.

Biobased Company Contacts

Company contacts come as a result of interaction with government officials, researchers, and industry representatives. FB4P staff follow-up on personal referrals or potential leads to possible biobased products.

Company	Contact Person	Results
Lubrizol Corporation	Dr. Saurabh Lawate	LZ 7671 LZ 7670
Ethos Environmental, Inc	Mr. Nick Bird	Ethos Fuel Reformulator
Cargill Industrial Oils & Lubricants	Mr Luis Del Valle	Biodiesel
World Energy Alternatives, LLC	Mr. Gene Gebolys	Recycled Biodiesel Virgin Soy Biodiesel Biodiesel
Archer Daniels Midland	Ms. Cameron Drake	Ethanol Fuel and Lactic Acid
West Central Soy	Bev Tierney	Soy Power Biodiesel
ApolloPower Inc.	Mr. David Lommen	BioDiesel
Pacific Biodiesel, Inc.	Mr. Robert King	Biodiesel
Blue Sun Biodiesel LLC	Mr. Ryan Lafferty	Blue Sun Biodiesel
CytoCulture International Inc.	Dr. Randall von Wedel	Biodiesel Marine Biodiesel
True Value Commercial Supply	Mr. Rusty Clayton	SoyClean Formula 7
Renewable Lubricants, Inc.	Ms. Jacqueline Garmier	Bio-Power Soy-Based Winter Diesel Fuel Conditioner Bio-Power Soy-Based Summer Diesel Fuel Conditioner Bio-Plus Injector Cleaner Gas Conditioner Bio-Booster Soy-Based Cetane Improver Bio-Power Bio-Booster
SoyClean	Mr. Kurt Brannian	SoyClean Disel Fuel Additive

Conclusion

The results from the four information sources indicate that 37 manufacturing companies in the United States are currently producing Diesel Fuel Additives that may be considered for inclusion in the Federal Biobased Products Preferred Procurement Program.