

USDA BioPreferredSM Process for Industry Investigation

Designation Item

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

Item Investigated: Parts Wash Solutions

Item Description: Products that are designed to clean parts in manual or automatic cleaning systems. Such systems include, but are not limited to, soak vats and tanks, cabinet washers, and ultrasonic cleaners.

Industry Investigation

There are eight main sources of information used to gather data about items for designation. These include Internet search engines, the Thomas Register, industry associations, GSA and DLA federal specifications search engines, Javits-Wagner-O'Day Act, Green Seal standards, and biobased industry contacts. Each of these sources provides different results. A lengthy, but thorough list of biobased companies which produce the designation item and performance standards and test methods related to the designation item can be developed best by utilizing all 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, Vivisimo, Dogpile, and Yahoo.

Search Engine	Keywords	Results
Google	Parts Wash Biobased Parts Wash	www.parts-washers.globalspec.com/ www.envirosan.com/environmentalpartswashingfluid.html www2.northerntool.com/cat-1/105+6829.htm www.mitm.com/ www.alconox.com/popups/popups_ind/jet_det.htm www.hirschauto.com/ www.srsengineering.com/PW-5.html www.orisonmarketing.com/cleaners/vpwwsc1000/vpw_sc1000.html
Vivisimo	See Previous	www.betterengineering.com www.washparts.com www.chemfree.com www.cudausa.com
Dogpile	See Previous	www.cuda-ohio.com/ www.washparts.com/ www.clam.net/ www.parts-washers.globalspec.com/ www.landa.com/pages/showProductTypes.asp?areaID=3 http://www.envirosan.com/environmentalpartswashingfluid.html www.ramkleen.com http://www.plutusonline.com/xtreme/prodinfo.html http://www.orisonmarketing.com/index.html http://www.aqueouscleaning.net/

Yahoo	See Previous	www.cuda-ohio.com www.clam.net www.washparts.com www.ramkleen.com/ http://www.hydro-blast.com/ http://www.redarrowmfg.com/index.php?view=cleaningsolutions www.orisonmarketing.com/cleaners/sc-aircraft/sc-aircraft.html www.glepro.com/pages/548078 http://www.soytek.com/soyframe.html
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Thomas Register – (<http://www.thomasregister.com/>)

The Thomas Register, a free web service, 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
Parts Washing Solvents	http://www.solventwasher.com/whysolvent.htm http://www.tulsacleaningsystems.com/ http://www.citrusdepot.biz/products.html ChemFree Corp. - Norcross, GA http://www.thomasregister.com/olc/72835317/
Biobased parts wash	No Results

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	Results
Biobased Manufacturers Association United Soybean Board American Soybean Association Society of Automotive Engineers National Association of Manufacturers Fabricators and Manufacturers Association International Society of Manufacturing Engineers Tube and Pipe Association Institute of Industrial Engineers National Tooling & Machining Association Precision Machined Products Association	Anderson Metal Products, Inc Forenta L.P. PAC Enviromental Inc www.superkleendirect.com betterengineering.com www.mirachem.com

**General Services Administration – Federal Specifications Search
(<http://apps.fss.gsa.gov/pub/fedspecs/search.cfm>)**

This search lists commercial item and federal specifications for different products.

Keyword	Results	
Biobased parts wash	No Results	

Parts Washing Solvents	No Results	
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Defense Logistics Agency – ASSIST-Basic Search
(http://www.assistdocs.com/search/search_basic.cfm)

This search lists military, federal, and commercial item specifications.

Keyword	Results	
Biobased parts wash	No results found	
Parts washing solvents	A-A-52100A	SPOT REMOVER (FOR REMOVAL OF OIL AND GREASE FROM CLOTHING) (NO S/S DOCUMENT)
	MIL-DTL-0053022C	PRIMER, EPOXY COATING, CORROSION INHIBITING LEAD AND CHROMATE FREE
	MIL-HDBK-1005/17	NONDOMESTIC WASTEWATER CONTROL AND PRETREATMENT DESIGN CRITERIA
	MIL-C-81797A	COATING, INORGANICALLY BONDED ALUMINUM (ELECTROPHORETICALLY DEPOSITED) (NO S/S DOCUMENT)
	MIL-D-45064D	DEGREASER, PORTABLE, SOLVENT TYPE, TANK IMMERSION (NO S/S DOCUMENT)
	O-W-0035	WASH, BLANKET AND ROLLER, FOR OFFSET DUPLICATING PROCESS (NO S/S DOCUMENT)
	MIL-F-52252	FILLER, DENT, METAL SURFACE (NO S/S DOCUMENT)
	MIL-STD-1564A	PROCEDURE FOR CALIBRATION AND ANALYSIS OF TRACE CONTAMINANTS IN AVIATOR S BREATHING OXYGEN BY INFRARED SPECTROSCOPY
	MIL-W-23455D	WASHING AND SCREENING PLANT, AGGREGATE AND SAND, ELECTRIC-MOTOR-DRIVEN, TRAILER MOUNTED, 150 TONS PER HOUR (NO S/S DOCUMENT)
	MIL-STD-1359B	CLEANING METHODS AND PROCEDURES FOR BREATHING OXYGEN EQUIPMENT (S/S BY SAE-ARP1176)
	MIL-D-83411A	DEICER/ANTI-ICER FLUID (FOR RUNWAYS AND TAXIWAYS) (S/S BY AMS-1432)
A-A-50425	CLEANING COMPOUND, HALOGENATED	

		HYDROCARBON, FOR OXYGEN SYSTEM COMPONENTS, AEROSOL (SPOT CLEANER)
	MIL-D-23890A	DECALCOMANIAS, PROCESS FOR APPLICATION OF (S/S BY MIL-M-43719)
	MIL-DTL-17111D	FLUID, POWER TRANSMISSION
	MIL-STD-1884A	COATING, PLASMA SPRAY DEPOSITION (S/S BY MIL-HDBK-1884)
	C-E-002197	EGG LOAF WITH MUSHROOMS, THERMOSTABILIZED, TRAY PACK (NO S/S DOCUMENT)
	MIL-P-24351A	PRIMER COATING, ALKYD, BLUE (FORMULA NO. 6N35-2) (S/S BY FED-STD-595/15187)
	MIL-P-15930C	PRIMER COATING, SHIPBOARD, VINYL-ZINC CHROMATE (FORMULA NO. 120 - FOR HOT SPRAY) (NO S/S DOCUMENT)
	DOD-E-24607A	ENAMEL, INTERIOR, NONFLAMING (DRY), CHLORINATED ALKYD RESIN, SEMIGLOSS (METRIC)
	MIL-C-83314A	CLOTH, BROADCLOTH, POLYESTER/COTTON (DURABLE PRESS) (S/S BY MIL-C-43992 NOW MIL-DTL-42992)
	MIL-T-29218A	TRUCK, LIFT, PLATFORM, GASOLINE-ENGINE-DRIVEN, TELESCOPING BOOM (S/S BY A-A-60004)
	C-E-002187A	EGG LOAF WITH HAM, THERMOSTABILIZED, TRAY PACK (S/S BY MIL-O-44327)
	MIL-E-48225	ETHYLENE GLYCOL DINITRATE (EGDN)
	MIL-DTL-0053084A	PRIMER, CATHODIC ELECTRODEPOSITION, CHEMICAL AGENT RESISTANT
	MIL-HDBK-1884	COATING, PLASMA SPRAY DEPOSITION
	MIL-L-19701B	LUBRICANT, ALL-WEATHER, SEMI-FLUID, FOR AIRCRAFT ORDNANCE, METRIC
	MIL-STD-1444	MISCELLANEOUS INORGANIC COMPOUNDS (NO S/S DOCUMENT)
	H-B-481C	BRUSHES, SANITARY (NO S/S DOCUMENT)
	MIL-DTL-85054C	CORROSION PREVENTIVE COMPOUND, CLEAR

		(AMLGUARD)
	MIL-C-87936A	CLEANING COMPOUNDS, AIRCRAFT EXTERIOR SURFACES, WATER DILUTABLE (S/S BY MIL-C-87937)

JWOD.com – Javits-Wagner-O’Day Act (<http://www.jwod.com>)

Products available for sale through JWOD.com are primarily items provided to the Federal Government under the Javits-Wagner-O’Day Act, JWOD, a mandatory source of supply for all Federal government employees. These products are manufactured by nonprofit agencies throughout the United States that employ people who are blind or have other severe disabilities.

Keyword	Results
Biobased parts wash	No Results
Parts Washing Solvents	No Results

Green Seal Environmental Standards – (<http://www.greenseal.org/>)

Green Seal develops environmental certification standards for specific product categories and certifies products and services that meet them.

Standard Number	Standard Title
GS-34	Cleaning/Degreasing Agents

Company	Products
Ipax Cleanogel, Inc.	Green Unikleen

Biobased Company Contacts

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

Company	Contact Person	Results
EnviroLogic, Inc	Mr. Jay Murland	Partswasher
Workcell Systems, Inc	Richard Soble	Glysol PC
BioForce Enviro-Tech, Inc	Glen Nelson	BioForce BE-100+ Parts Wash
Columbus Foods Company	Joe Loveshe	Enviro Saver
Hampel Oil Distributors	John McQuery	Patriot Power Plus 300
Vertec Biosolvents, Inc.	Jim Opre	VertecBio Parts Cleaner
Renewable Lubricants, Inc.	Jacqueline Garmier	Bio-Parts Cleaner/Degreaser (Soy Based) Bio-Cleaner/Degreaser (plus Corrosion Protection)(Soy Base)
Florida Chemical Co. Inc.	Mark Henneberry	CitruSoy Super High Flash
Orison Marketing, L.L.C.	Mr. Shawn McGlothlin	Piston Kleen
Spartan Chemical Company	Mr. William Schalitz	Soystrong Solvent Degreaser
The Clean Environment Co.	Mr. Don Eby	C-3 Cycle-Solv

Phase III, Inc.	Richard Lowell	California Parts Washer
Jubilee Enviromental Products	Thomas J. Rhein	JEP-3

Conclusion

The results from the eight information sources indicate that 16 manufacturing companies in the United States are currently producing Parts Wash Solutions that may be considered for inclusion in the BioPreferred Program.