

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: Chain and Cable Lubricants

Item Description: Products designed to provide lubrication in such applications as bar and roller chains, sprockets, and wire ropes and cables. Products may also prevent rust and corrosion in these applications.

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, Dogpile, Mamma, and Yahoo.

Search Engine	Keyword	Results
Google	Biobased Bar and Chain Oils Bar and Chain Oils Biobased Bar and Chain Lubricants Bar and Chain Lubricants Biobased Wire Rope Lubricants Wire Rope Lubricants Biobased Cable Lubricants Cable Lubricants	http://www.elmusa.com http://www.renewablelube.com http://www.pennzoil.com/ http://www.archeroil.com http://www.soyclean.biz http://www.greatplainsoil.net http://www.terresolve.com http://www.lubeguard.com http://www.fluidsciences.com http://www.soypower.net http://www.greenoil-online.com/ http://www.shell-lubricants.com http://www.amsoil.com http://www.lubriplate.com http://www.tsmoly.com http://www.crossoil.com http://www.gemtek.com http://www.amrep.com http://www.brooke-ocean.com/ http://www.eurekafluidfilm.com/
Vivisimo	See Previous	http://www.elmusa.com http://www.renewablelube.com http://www.orisonllc.com http://www.peaksandprairies.com

		http://www.nemco.mb.ca http://www.amsoil.com/ http://www.pennzoil.com/ http://www.lubrizol.com/ http://www.molygraph.com/ http://www.archeroil.com http://www.soyclean.biz http://www.greatplainsoil.net http://www.terresolve.com http://www.lubeguard.com http://www.fluidsciences.com http://www.soypower.net http://calumetlubricants.com/ http://www.gemtek.com http://www.americanoilsupply.com/ http://www.piattfs.com/
Alta Vista	See Previous	http://www.elmusa.com http://www.renewablelube.com http://www.peaksandprairies.com http://www.orisonllc.com http://www.imet.net http://www.terresolve.com http://www.egreenrenew.com/ http://www.shell-lubricants.com http://www.archeroil.com http://www.soyclean.biz http://www.greatplainsoil.com http://www.terresolve.com http://www.lubeguard.com http://www.fluidsciences.com http://www.soypower.net http://www.tsmoly.com http://www.greenoil-online.com/ http://www.exxon.com/ http://www.amsoil.com http://www.gemtek.com http://www.76lubricants.com http://www.quechem.com International Lubricants http://www.amrep.com http://www.atlantictechsystems.com
Yahoo	See Previous	http://www.elmusa.com http://www.renewablelube.com http://www.peaksandprairies.com http://www.orisonllc.com http://www.imet.net http://www.terresolve.com http://www.egreenrenew.com/ http://www.nemco.mb.ca/ http://www.shell-lubricants.com http://www.tsmoly.com http://www.amsoil.com http://www.greenoil-online.com/

		http://www.exxon.com/ http://www.gemtek.com http://www.76lubricants.com http://www.quechem.com International Lubricants http://www.amrep.com http://www.atlantictechsystems.com
--	--	--

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
Lubricants: Chain	Panef Corp. http://www.loctite.com/int_henkel/loctite_us/index.cfm Lexco Cable Manufacturers - Norridge, IL http://www.kpg-industrial.com/ http://www.kmspecialty.com/ http://www.mooreballiewoil.com/products.htm http://www1.mscdirect.com/CGI/NNSRHI?PMSECT=2001226 Tomlin Scientific, Inc. - Santa Ana, CA http://www.accumetricinc.com/AEP/aep.htm http://www.uniquetechnologies.com/serv02.htm http://www.chem-pak.com/industrial/ind_lube.htm http://www.chemi-coatings.thomasregister.com/ http://www.tsmoly.com/ http://www.speclubes.com/products_flash.html Interstate Abrasives - Chicago, IL http://www.ipcol.com/ http://www.phoenixbottles.com/ http://www.wackersilicones.com/ http://www.rosemill.com/lubricants.htm http://www.huskey.com/ Howes Lubricator Products - Coventry, RI Rite-Kem - Tupelo, MS http://www.kciamericas.com/products-equipment.htm Valvoline Co. The, Div., Ashland, Inc. - Lexington, KY
Lubricants: Oven Chain	http://www.kmspecialty.com
Lubricants: Cable	http://www.KPG-Industrial.com Kano Laboratories, Inc. - Nashville, TN http://www.kmspecialty.com http://www1.mscdirect.com/CGI/NNSRHI?PMSECT=2001226 http://www.aerospacelubricants.com Tomlin Scientific, Inc. - Santa Ana, CA http://www.wesconproducts.com/ Chem-Pak, Inc. - Martinsburg, WV http://www.chem-pak.com/industrial/ind_lube.htm http://www.chemi-coatings.thomasregister.com http://www.tsmoly.com

	http://www.speclubes.com/products_flash.html http://www.wackersilicones.com http://www.rosemill.com/lubricants.htm Howes Lubricator Products - Coventry, RI http://www.rootbros.com/index.php Rite-Kem - Tupelo, MS Valvoline Co. The, Div., Ashland, Inc. http://www.neverseezproducts.com/permlubricants1.htm http://www.russack.com http://www.beatlas.com/ http://www.oilservice.com/petrolframebase.html http://www.greenrubber.com/id4.html http://www.ppclubricants.com/ http://www.lubeoils.com/ Salco Dynamic Solutions, Inc. - Huntington Beach, CA
Lubricants: Saw	http://www1.mscdirect.com/CGI/NNSRHI?PMSECT=2001226 http://www.aerospacelubricants.com Tomlin Scientific, Inc. - Santa Ana, CA http://www.chem-pak.com/industrial/ind_lube.htm http://www.sawspec.com/coolants%20&%20lubricants/cool_index.htm http://www.chemi-coatings.thomasregister.com http://www.cimcool.com Interstate Abrasives - Chicago, IL http://www.ipcol.com/prod-p80.htm http://www.wackersilicones.com Howes Lubricator Products - Coventry, RI CRC Dist./Twin Specialties Corp. - Conshohocken, PA http://www.grandsaw.com http://www.fortpaynehardware.com/lubrication.htm http://www.hkoil.com/ http://www.lubeoils.com/ Calfonex Products Company - Walden, NY Trico Manufacturing Corp. - Pewaukee, WI Production Specialty - Corinth, MS Alabama Saw Co. - Pell City, AL G-C Lubricants Co. - San Carlos, CA Texaco Lubricants - Houston, TX Guardsman Products, Inc., Specialty Products Div. - Fremont, MI Detroit Band Saw Works, Inc. - Livonia, MI Unist, Inc. - Grand Rapids, MI
Lubricants: Conveyor	http://www.uniquetechnologies.com/serv02.htm http://www.gulfpacific.com/default.html http://www.kmspecialty.com http://www.mooreballiewoil.com/products.htm http://www1.mscdirect.com/CGI/NNSRHI?PMSECT=2001226 http://www.chemi-coatings.thomasregister.com http://www.cleaningdeburringfinishing.com http://www.grgasket.com/id6.html http://www.generalpetroleum.com

	http://www.electroluber.com/intexpindex.htm http://www.rosemill.com/lubricants.htm Quint Co. - Philadelphia, PA http://www.oilservice.com/petrolframebase.html http://www.hkoil.com/ http://www.ppclubricants.com/ http://www.lubeoils.com/ http://www.weberoil.com/ http://www.titusco.com/coalescingfilters.htm http://www.amrep.com/misty/lubrica2.htm#chain http://www.hhsupply.com/products_coolants.html Calfonex Products Company - Walden, NY General Bearings Co. - Los Angeles, CA 48 State Synthetic Lube & Filter - Englewood, NJ RhinoPak - Highlands, TX Wenniger Compressor Co. - Milwaukee, WI
--	---

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 Independent Lubricants Manufacturers Association Wire & Cable Industry Suppliers Association	http://www.renewablelube.com http://www.gemtek.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 Bar and Chain Oils	No Results	
Bar and Chain Oils	No Results	
Biobased Bar and Chain Lubricants	No Results	
Bar and Chain Lubricants	No Results	
Biobased Wire Rope & Cable Lubricants	No Results	
Wire Rope & Cable Lubricants	No Results	
Biobased Cable Lubricants	No Results	
Cable Lubricants	No Results	

Defense Logistics Agency – ASSIST Database – Basic Search
(http://www.assistdocs.com/search/search_basic.cfm)

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

Keyword	Results	
Biobased Bar and Chain Oils	No results found	
Bar and Chain Oils	XX-C-2867	CLEANER, STEAM OR HOT WATER, PRESSURE JET TRAILER-MOUNTED, GASOLINE OR DIESEL ENGINE (NO S/S DOCUMENT)
	A-A-59326B	COUPLING HALVES, QUICK-DISCONNECT, CAM-LOCKING TYPE
	MIL-DTL-211F	PHOSPHORUS, RED, TECHNICAL
	MIL-PRF-52470A	AUGER, EARTH, TRUCK-MOUNTED, 91 CENTIMETER (36 INCH) DIAMETER HOLE, 18 METER (60 FOOT) MAX DEPTH (METRIC)
	MIL-R-82200B	RAMP, LOADING VEHICLE, GENERAL SPECIFICATION FOR (NO S/S DOCUMENT)
	KKK-S-2850	SEMITRAILERS, TANK: GASOLINE AND FUEL OIL, COMMERCIAL (NO S/S DOCUMENT)
	MIL-P-28971A	PUMP, RECIPROCATING, POWER DRIVEN, 150 GALLON PER MINUTE, DIAPHRAGM, GASOLINE ENGINE DRIVEN, SKID MOUNTED (NO S/S DOCUMENT)
	MIL-K-4877C	KETTLE, HEATING, BITUMEN, JOINT-SEALER, TRAILER-MOUNTED (NO S/S DOCUMENT)
	MIL-I-43682D	ICEMAKER-DISPENSER: WITH WATER DISPENSER ATTACHMENT (S/S BY A-A-52144)
	MIL-C-82033B	CLEANER, STEAM OR HOT WATER, PRESSURE JET TRAILER-MOUNTED (FOR BOMB DISPOSAL OPERATIONS) (S/S BY XX-C-2867)
	MIL-R-52899B	RAMP: LOADING VEHICLE
	MIL-D-63370	DISPENSER, MINE GROUND VEHICLE, M128 PREPARATION FOR SHIPMENT AND STORAGE
A-B-2787	BOOMS: FLOATING OIL AND DEBRIS CONTAINMENT,	

	DEPLOYABLE (FOR HARBOR USE) (NO S/S DOCUMENT)
MIL-P-28589	PUMP, CENTRIFUGAL, PORTABLE, SELF-PRIMING, GASOLINE-ENGINE-DRIVEN (NONCLOGGING, TRASH HANDLING, CONTRACTOR TYPE) (S/S BY MIL-P-17861)
MIL-P-52434C	PRINTING PRESS, OFFSET, LITHOGRAPHIC (MOTOR DRIVEN, 24- BY 32-1/4-INCH MAXIMUM SHEET SIZE) (NO S/S DOCUMENT)
MIL-I-11867K	ICE MAKING MACHINE, CUBE
MIL-P-5516C	PACKING, PREFORMED, PETROLEUM HYDRAULIC FLUID RESISTANT, 160 DEG. F (S/S BY SAE-AMS-P-5516, REFER TO MIL-P-25732C)
MIL-D-10271H	DRILLING MACHINE, WELL, ROTARY: 1,500-FOOT (NO S/S DOCUMENT)
MIL-G-36285C	GAUZE, OIL EMULSION IMPREGNATED (S/S BY A-A-51)
MIL-C-52600	CENTRAL MIXING PLANT, CONCRETE, MOBILE, 250 CUBIC YARDS PER HOUR CAPACITY (NO S/S DOCUMENT)
MIL-C-13962B	CRUSHING, SCREENING, AND WASHING PLANT, DIESEL-ENGINE AND ELECTRIC-MOTOR DRIVEN, 225-TONS PER HOUR (NO S/S DOCUMENT)
MIL-R-0010932P	REFRIGERATORS, PREFABRICATED, PANEL TYPE
MIL-P-335J	PAVING MACHINE, BITUMINOUS MATERIAL, CRAWLER MOUNTED, DIESEL ENGINE DRIVEN
MIL-E-24269B	EXTINGUISHER, FIRE, CARBON DIOXIDE, 15 POUND, PORTABLE, PERMANENT SHUTOFF, NAVY SHIPBOARD USE
MIL-L-28979(3)	LUBRICATING AND SERVICING UNIT, POWER OPERATING, SKID MOUNTED (NO S/S DOCUMENT)
MIL-HDBK-797	POLYAMIDE (NYLON) PLASTICS: PROPERTIES, PROCESSING, PERFORMANCE, AND MILITARY APPLICATIONS
MIL-HDBK-134A	TRUCK AND TRUCK TRACTORS, TACTICAL (MILITARY) DESIGN, CHARACTERISTICS OF (NO S/S

		DOCUMENT)
	KKK-T-2807	TRUCKS, LUBRICATING AND FUEL SERVICING 4 BY 2 AND 4 BY 4 (NO S/S DOCUMENT)
	PPP-P-40C	PRESERVATION AND PACKING OF HAND TOOLS; TOOLS AND TOOL ACCESSORIES FOR POWER DRIVEN, METAL AND WOOD WORKING MACHINERY (NO S/S DOCUMENT)
	MIL-T-11407L(1)	TRUCK, FIRE FIGHTING, 1000 GPM, TACTICAL TYPE, MULTIPURPOSE (NO S/S DOCUMENT)
Biobased Bar and Chain Lubricants	No results found	
Bar and Chain Lubricants	A-A-59245	SWEEPER, PERMANENT MAGNET, ROAD, TOWED
	A-A-59244	DRILL, PNEUMATIC DRIFTER, SELF-PROPELLED, CRAWLER MOUNTED (TRACK DRILL)
	A-A-52467	SCOOTERS, MOTOR: ELECTRIC MOTOR DRIVEN, THREE- AND FOUR-WHEEL, MODIFIED COMMERCIAL
	MIL-S-18141J	SWEEPER, ROTARY, TOWED (S/S BY A-A-55544)
	MIL-K-4877C	KETTLE, HEATING, BITUMEN, JOINT-SEALER, TRAILER-MOUNTED (NO S/S DOCUMENT)
	MIL-I-11867K	ICE MAKING MACHINE, CUBE
	MIL-P-335J	PAVING MACHINE, BITUMINOUS MATERIAL, CRAWLER MOUNTED, DIESEL ENGINE DRIVEN
	MIL-D-10166G	DRILLING MACHINES, WELL, ROTARY, SKID- OR TRAILER-MOUNTED (NO S/S DOCUMENT)
	OO-D-2776	DRILL, PNEUMATIC DRIFTER, SELF-PROPELLED, CRAWLER MOUNTED (TRACK DRILL) (S/S BY A-A-59244)
	OO-S-2797	SWEEPER, PERMANENT MAGNET, ROAD, TOWED (S/S BY A-A-59245)
	MIL-D-21201F	DRILL, PNEUMATIC DRIFTER, SELF-PROPELLED, CRAWLER MOUNTED (TRACK DRILL) (S/S BY OO-D-2776)
	GGG-S-62D	SAW, CHAIN, PORTABLE, POWER (S/S BY A-A-59662 AND A-A-59663)

MIL-DTL-62220C	RECOVERY VEHICLE, FULL-TRACKED, HEAVY, M88A2 PREPARATION FOR STORAGE AND SHIPMENT OF (NO S/S DOCUMENT)
MIL-P-17861F	PUMP UNIT, CENTRIFUGAL: PORTABLE, SELF-PRIMING, ENGINE-DRIVEN (DEWATERING; CONTRACTOR AND TRASH TYPE) (S/S BY A-A-50572)
MIL-DTL-2G	VALVES, CYLINDER, GAS (FOR COMPRESSED OR LIQUEFIED GASES), GENERAL SPECIFICATION FOR
MIL-S-62293C	SCOOTERS, MOTORS: ELECTRIC MOTOR DRIVEN, THREE- AND FOUR-WHEEL, COMMERCIAL (S/S BY A-A-52467)
MIL-T-46715E	TRAILER, PIPE; FUEL LINE 25 TON (NO S/S DOCUMENT)
MIL-T-82073D	TRUCKS, LUBRICATING AND FUEL SERVICING 4 BY 2 AND 4 BY 4 (S/S BY KKK-T-2807)
KKK-S-2766	SEMITRAILERS, TILT DECK: COMMERCIAL (NO S/S DOCUMENT)
KKK-T-2807	TRUCKS, LUBRICATING AND FUEL SERVICING 4 BY 2 AND 4 BY 4 (NO S/S DOCUMENT)
OO-M-2888	MIXERS, CONCRETE, WHEEL MOUNTED, ENGINE DRIVEN (NO S/S DOCUMENT)
MIL-S-29208B	SPREADER, MATERIAL, POWER DRIVEN, TRUCK MOUNTED, COMMERCIAL (S/S BY OO-S-2896)
OO-S-2896	SPREADER, MATERIAL, POWER DRIVEN, TRUCK MOUNTED, COMMERCIAL (NO S/S DOCUMENT)
MIL-T-52479E	TRAILER, FLAT BED: MINIMUM 15 TON PAYLOAD, MULTI AXLE COMMERCIAL CONSTRUCTION EQUIPMENT (CCE) (NO S/S DOCUMENT)
KKK-S-2850	SEMITRAILERS, TANK: GASOLINE AND FUEL OIL, COMMERCIAL (NO S/S DOCUMENT)
MIL-D-435F	DISTRIBUTORS, LIQUID BITUMINOUS MATERIAL, TANKLESS-TYPE, TRAILOR-MOUNTED

	MIL-C-52437C	CHASSIS, TRAILER, SINGLE- AND MULTI-AXLE, GENERAL SPECIFICATION FOR
Biobased Wire Rope & Cable Lubricants	No results found	
Wire Rope & Cable Lubricants	A-A-52015	TAGLINES, CRANE, SPRING- LOADED, REEL TYPE
	MIL-W-3783C	WINCH, DRUM, POWER OPERATED, 1 TON PULL, PNEUMATIC (S/S BY A-A-52512)
	MIL-DTL-87218D	CABLE, LOCKCLAD, FOR AIRCRAFT CONTROL
	VV-L-751D	LUBRICATING OIL: CHAIN, WIRE-ROPE, AND EXPOSED- GEAR (S/S BY MIL-L-2105 AND MIL-G-18458)
	A-A-52512	WINCH, DRUM, POWER OPERATED, 1-TON PULL, PNEUMATIC
	MIL-T-52198C	TAGLINES, CRANE AND CRANE- SHOVEL, SPRING-LOADED, REEL TYPE (S/S BY A-A-52015)
	MIL-C-62135A	CRANE: MATERIAL HANDLING
	MIL-C-29425	CRANE: HIGH-SPEED, HIGH- MOBILITY (NO S/S DOCUMENT)
	MIL-STD-11991	ELECTRICAL, ELECTRONIC, AND ELECTRO-MECHANICAL EQUIPMENT, GUIDED MISSILE AND ASSOCIATED WEAPON SYSTEMS, GENERAL STANDARD FOR THE DESIGN OF (S/S BY MIL-HDBK-11991)
	MIL-HDBK-11991	DESIGN OF ELECTRICAL, ELECTRONIC, AND ELECTRO- MECHANICAL EQUIPMENT, GUIDED MISSILE AND ASSOCIATED WEAPON SYSTEMS (NO S/S DOCUMENT)
	MIL-C-52648D	CRANE, CRAWLER MOUNTED, 40 TON AT 12 FOOT RADIUS, 2 CUBIC YARD, DIESEL-ENGINE- DRIVEN (NO S/S DOCUMENT)
	MIL-C-52640B	CRANE-SHOVEL, CRAWLER MOUNTED, 12-1/2-TON AT 12- FOOT RADIUS, 3/4 CUBIC YARD, DIESEL-ENGINE-DRIVEN, FOR MILITARY OPERATIONS (NO S/S DOCUMENT)
	MIL-K-687E	KETTLE, HEATING, BITUMEN, TRAILER MOUNTED
MIL-M-29212B	MIXING PLANT, ASPHALT, DRUM TYPE, PORTABLE, ELECTRIC MOTOR DRIVEN, 120 TONS PER HOUR CAPACITY (NO	

	S/S DOCUMENT)
MIL-HDBK-134A	TRUCK AND TRUCK TRACTORS, TACTICAL (MILITARY) DESIGN, CHARACTERISTICS OF (NO S/S DOCUMENT)
MIL-W-27895A	WINCH, AIRCRAFT, MOUNTED HCU-9/A (NO S/S DOCUMENT)
MIL-W-28977	WINCH, DRUM, POWER OPERATED (NO S/S DOCUMENT)
MIL-R-52562A	REELING MACHINE, CABLE, ENGINE DRIVEN (NO S/S DOCUMENT)
MIL-T-62735	TRUCKS AND TRUCK TRACTORS: MODIFIED COMMERCIAL, GENERAL SPECIFICATION FOR
MIL-T-52479E	TRAILER, FLAT BED: MINIMUM 15 TON PAYLOAD, MULTI AXLE COMMERCIAL CONSTRUCTION EQUIPMENT (CCE) (NO S/S DOCUMENT)
OO-W-2803	WINCHES, DRUM, HAND-OPERATED, SAFETY TYPE, FOR PONTOON BARGES
MIL-C-29352	CRANE, WHEEL MOUNTED, HYDRAULIC, ROUGH TERRAIN, 30 TON CAPACITY, FULL REVOLVING, 4 BY 4, DED (NO S/S DOCUMENT)
MIL-PRF-52470A	AUGER, EARTH, TRUCK-MOUNTED, 91 CENTIMETER (36 INCH) DIAMETER HOLE, 18 METER (60 FOOT) MAX DEPTH (METRIC)
MIL-S-11863C	SAWMILL, CIRCULAR, TRAILER-MOUNTED, 50 INCH BLADE, DIESEL ENGINE DRIVEN (NO S/S DOCUMENT)
MIL-C-52326B	CRANE, CRAWLER MOUNTED, 60 TON AT 25 FOOT RADIUS, DIESEL ENGINE DRIVEN (NO S/S DOCUMENT)
MIL-C-26339C	CARRIER, PASSENGER, CARGO, UTILITY, FULL TRACKED, OVER-THE-SNOW TYPE
MIL-C-16915D	CRANE, RAILWAY, DIESEL-ELECTRIC, 40-TON CAPACITY (56-1/2-INCH GAGE) (NO S/S DOCUMENT)
MIL-C-62326B	CARRIER, CARGO AND PASSENGER, FULL TRACKED, ALL-TERRAIN, GASOLINE ENGINE DRIVEN, COMMERCIAL

	MIL-HDBK-454A	GENERAL GUIDELINES FOR ELECTRONIC EQUIPMENT
	MIL-W-694C	WINCH, DIESEL DRIVEN, 2 DRUM, 5.9 TON PULL, WITH BOOM SWINGER (NO S/S DOCUMENT)
Biobased Cable Lubricants	No results found	
Cable Lubricants	MIL-W-5424B	WIRE ROPE, STEEL, (CORROSION RESISTING) FLEXIBLE, PREFORMED (FOR AERONAUTICAL USE) (USE MIL-W-83420)
	A-A-52015	TAGLINES, CRANE, SPRING-LOADED, REEL TYPE
	MIL-DTL-24308E	CONNECTORS, ELECTRIC, RECTANGULAR, NONENVIRONMENTAL, MINIATURE, POLARIZED SHELL, RACK AND PANEL, GENERAL SPECIFICATION FOR
	MIL-W-3783C	WINCH, DRUM, POWER OPERATED, 1 TON PULL, PNEUMATIC (S/S BY A-A-52512)
	MIL-C-62135A	CRANE: MATERIAL HANDLING
	MIL-A-516J	AUGER, EARTH, SKIDMOUNTED; AND AUGER, EARTH, TURNTABLE BASE MOUNTED, POWER DRIVEN (NO S/S DOCUMENT)
	MIL-DTL-87218D	CABLE, LOCKCLAD, FOR AIRCRAFT CONTROL
	VV-L-751D	LUBRICATING OIL: CHAIN, WIRE-ROPE, AND EXPOSED-GEAR (S/S BY MIL-L-2105 AND MIL-G-18458)
	MIL-R-52562A	REELING MACHINE, CABLE, ENGINE DRIVEN (NO S/S DOCUMENT)
	MIL-C-52126D	CONVEYOR, BELT, PORTABLE, WHEEL MOUNTED, ELECTRIC-MOTOR-DRIVEN, 50-FOOT (NO S/S DOCUMENT)
	A-A-52512	WINCH, DRUM, POWER OPERATED, 1-TON PULL, PNEUMATIC
	MIL-C-52712B	CONVEYOR, BELT, PORTABLE, ELECTRIC CASTER MOUNTED
	MIL-DTL-46821D	LOADER-TRANSPORTER, GUIDED MISSILE: XM501E3 (IMPROVED HAWK)
	MIL-C-83522/2G	CONNECTOR, PLUG, FIBER OPTIC, SINGLE TERMINUS, THREADED, (STRAIGHT NOSE

		INTERFACE), LENSLESS, EPOXY, FOR 50/125 M, 62.5/125 MM, AND 100/140 MM
	MIL-C-83522/16B	CONNECTOR, FIBER OPTIC, SINGLE TERMINUS, PLUG, BAYONET COUPLING (ST STYLE), 2.5 MILLIMETERS DIAMETER FERRULE, EPOXY
	MIL-C-12786E	CLEANER, PRESSURE, WATER (NO S/S DOCUMENT)
	A-A-50579	TRAILER, EQUIPMENT, ELEVATING BODY, 4-WHEEL
	MIL-T-52198C	TAGLINES, CRANE AND CRANE-SHOVEL, SPRING-LOADED, REEL TYPE (S/S BY A-A-52015)
	MIL-T-22214C	TUBE, CONDENSER AND HEAT EXCHANGER WITH INTEGRAL FINS (UNS ALLOY NOS. C17500, C70600, C12200)
	MIL-H-52213F	HEATERS, HOT OIL
	MIL-C-52989	CRANE, TRUCK MOUNTED, HYDRAULIC
	MIL-C-83522D	CONNECTORS, FIBER OPTIC, SINGLE TERMINUS, GENERAL SPECIFICATION FOR
	A-A-59111	SERVICING/DEICING MAINTENANCE PLATFORM, HIGH REACH, TRUCK MOUNTED
	MIL-F-52749C	FORWARD AREA REFUELING EQUIPMENT (FARE) (NO S/S DOCUMENT)
	MIL-D-45064D	DEGREASER, PORTABLE, SOLVENT TYPE, TANK IMMERSION (NO S/S DOCUMENT)
	MIL-W-694C	WINCH, DIESEL DRIVEN, 2 DRUM, 5.9 TON PULL, WITH BOOM SWINGER (NO S/S DOCUMENT)

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 Bar and Chain Oils	No Results
Bar and Chain Oils	No Results
Biobased Bar and Chain Lubricants	No Results
Bar and Chain Lubricants	No Results

Biobased Wire Rope Lubricants	No Results
Wire Rope Lubricants	No Results
Biobased Cable Lubricants	No Results
Cable Lubricants	No Results

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

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

Standard Number	Standard Title
No results	

Company	Products
No results	

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
Archer Petroleum	Doug Salmon	Archer Soy-Safe Bar & Chain Oil Chain Bar Lubricant
Cortec Corporation	Mr. Bob Boyle	EcoLine Bearing, Chain & Roller Lubricant
Great Plains Oil	Norm Arendas	Chain Lube
Lubrizol Corporation	Dr. Saurabh Lawate	LZ 7662
Orison Marketing, LLC	Mr. Shawn McGlothlin	Safe Lube Bio Bar & Chain Oil
Panterra, Inc.	Mr. David Holst-Grubbe	PanTerra Form Roller Ball and Chain Oil
Renewable Lubricants, Inc.	Jacqueline Garmier	Bio-Bar & Chain (BBC) Oils Bio-High Temperature Chain Lube
SoyClean	Mr. Rusty Clayton	Bar & Chain Lubricant
Terresolve Technologies	Ms. Barbara Richardson	EnviroLogic 268
West Central Soy	Bev Tierney	SoyLINK Chain-Bar Lubricant

Conclusion

The results from the eight information sources indicate that 20 manufacturing companies in the United States are currently producing Chain and Cable Lubricants that may be considered for inclusion in the BioPreferred Program.