

The BioPreferred program is a Federal initiative designed to increase the development, purchase, and use of biobased products made from agricultural, forestry, or marine materials. The BioPreferred program aims to increase the purchase and use of renewable, environmentally friendly biobased products, while spurring job creation through expanding new markets for farmers, manufacturers, and vendors. The program offers three major benefits: climate change impact reduction, energy/environmental security, and economic development.

There are more than 21,000 biobased products on the market today. The BioPreferred program has designated (identified) more than 5,000 products in 50 product categories for Federal preferred purchase. These “BioPreferred” products meet/exceed minimum biobased content levels set by the Department of Agriculture (USDA). Many of these products are used in the construction/maintenance & repair sector, and they include:

Carpets

Floor coverings composed of woven, tufted, or knitted fiber and a backing system

Composite Panels

- Acoustical – Engineered products designed for use as structural and sound deadening material suitable for office partitions and doors
- Interior – Engineered products designed specifically for interior applications and providing a surface that is impact-, scratch-, and wear-resistant and that does not absorb or retain moisture
- Plastic Lumber – For non-structural outdoor needs such as signs, trash can holders, and lettering
- Structural Interior – Engineered products designed for use in structural construction applications, including cabinetry, casework, paneling, and decorative panels
- Structural Wall – For use in structural walls, curtain walls, floors, and flat roofs

Concrete and Asphalt Release Fluids

Products that are designed to provide a lubricating barrier between the composite surface materials (e.g., concrete or asphalt) and the container (e.g., wood or metal forms, truck beds, roller surfaces)

Expanded Polystyrene Foam (EPS) Recycling Products *(Round 6 proposed designated product category)*

Products formulated to dissolve EPS foam to reduce the volume of recycled or discarded EPS items

Fluid-Filled Transformers

- Synthetic Ester-Based – Electric power transformers designed to utilize a synthetic ester-based dielectric (non-conducting) fluid to provide insulating and cooling properties
- Vegetable Oil-Based – Electric power transformers designed to utilize a vegetable oil-based dielectric (non-conducting) fluid to provide insulating and cooling properties



Forming Lubricants

Products designed to provide lubrication during metalworking applications that are performed under extreme pressure; such metalworking applications include tube bending, stretch forming, press braking, and swaging

Heat Transfer Fluids

Products with high thermal capacities used to facilitate the transfer of heat from one location to another such as coolants or refrigerants for use in HVAC applications

Hydraulic Fluids

- Mobile Equipment — Hydraulic fluids formulated for general use in non-stationary equipment, such as tractors, end loaders, or backhoes
- Stationary Equipment — Fluids formulated for use in stationary hydraulic equipment systems that have various mechanical parts, such as cylinders, pumps, valves, pistons, and gears, that are used for the transmission of power (and also for lubrication and/or wear, rust, and oxidation protection)

Metalworking Fluids

- General Purpose Soluble, Semi-Synthetic, and Synthetic Oils — Fluids designed to provide cooling, lubrication, corrosion prevention, and reduced wear on the contact parts of machinery used for metalworking operations such as cutting, drilling, grinding, machining, and tapping; metalworking fluids formulated for use in a re-circulating fluid system to provide cooling, lubrication, and corrosion prevention when applied to metal feedstock during normal grinding and machining operations
- High Performance Soluble, Semi-Synthetic, and Synthetic Oils — Fluids designed to provide cooling, lubrication, corrosion prevention, and reduced wear on the contact parts of machinery used for metalworking operations such as cutting, drilling, grinding, machining, and tapping; metalworking fluids formulated for use in a re-circulating fluid system to provide cooling, lubrication, and corrosion prevention when applied to metal feedstock during grinding and machining operations involving unusually high temperatures or corrosion potential
- Straight Oils — Fluids designed to provide cooling, lubrication, corrosion prevention, and reduced wear on the contact parts of machinery used for metalworking operations such as cutting, drilling, grinding, machining, and tapping; metalworking fluids not diluted with water prior to use and generally used for metalworking processes that require lubrication rather than cooling

Mulch and Compost Materials

Various mulching and composting products to improve the appearance of the landscape

Multipurpose Lubricants

Products designed to provide lubrication under a variety of conditions and in a variety of industrial settings to prevent friction or rust; greases, which are lubricants composed of oils thickened to a semisolid or solid consistency using soaps, polymers or other solids, or other thickeners, are not included in this item; in addition, task-specific lubricants, such as chain and cable lubricants and gear lubricants, are not included in this item

Parts Wash Solutions

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

Roof Coatings

Provide protection for commercial roof deck systems

Spray Insulating Foams

Spray-in-place plastic foam products, which provide a sealed thermal barrier

Water Tank Coatings

Coatings formulated for use in potable water storage systems

Wood and Concrete Sealers

- Membrane – Form a layer on the surface of the substrate for protection from insects, moisture, and decay
- Penetrating – Penetrate the outer layer of a surface to protect against insects, moisture, and decay

Finding BioPreferred products for the construction/maintenance & repair sector is simple, using the program's online catalog. To view the catalog, go to www.biopreferred.gov. To submit biobased products to be included in the catalog, email biopreferred@usda.gov.



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