

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|--|-----------------------------|
| 2-Cycle Engine Oils | Lubricants designed for use in 2-cycle engines to provide lubrication, decreased spark plug fouling, reduced deposit formation, and/or reduced engine wear. | 34% |
| Adhesive and Mastic Removers | Solvent products formulated for use in removing asbestos, carpet, and tile mastics as well as adhesive materials, including glue, tape, and gum, from various surface types. | 58% |
| Adhesives | Compounds that temporarily or permanently bind two item surfaces together. These products include glues and sticky tapes used in construction, household, flooring, and industrial settings. This category excludes epoxy systems. | 24% |
| Agricultural Spray Adjuvants | Products mixed in the spray tank with the herbicide, pesticide, or fertilizer formulas that will improve the efficiency and the effectiveness of the chemicals, including sticking agents, wetting agents, etc. | 50% |
| Air Fresheners and Deodorizers | Products used to alleviate the experience of unpleasant odors by chemical neutralization, absorption, anesthetization, or masking. | 97% |
| Aircraft and Boat Cleaners - Aircraft Cleaners | Aircraft and boat cleaners are products designed to remove built-on grease, oil, dirt, pollution, insect residue, or impact soils on both interior and exterior of aircraft and/or boats. Cleaning products designed to remove built-on grease, oil, dirt, pollution, insect residue, or impact soils on both interior and exterior of aircraft. | 48% |
| Aircraft and Boat Cleaners - Boat Cleaners | Aircraft and boat cleaners are products designed to remove built-on grease, oil, dirt, pollution, insect residue, or impact soils on both interior and exterior of aircraft and/or boats. Cleaning products designed to remove built-on grease, oil, dirt, pollution, insect residue, or impact soils on both interior and exterior of boats. | 38% |
| Animal Cleaning Products | Products designed to clean, condition, or remove substances from animal hair or other parts of an animal. | 57% |
| Animal Habitat Care Products | Products that are intended to improve the quality of animal habitats such as cleaning supplies, sanitizers, feeders, and products that control, mask, or suppress pet odors. This category excludes animal bedding or litter products and animal cleaning products. | 22% |
| Animal Repellents | Products used to aid in deterring animals that cause destruction to plants and/or property. | 79% |
| Asphalt Restorers | Products designed to seal, protect, or restore poured asphalt and concrete surfaces. | 68% |
| Asphalt and Tar Removers | Cleaning agents designed to remove asphalt or tar from equipment, roads, or other surfaces. | 80% |
| Automotive Care Products | Products such as waxes, buffing compounds, polishes, degreasers, soaps, wheel and tire cleaners, leather care products, interior cleaners, and fragrances that are formulated for cleaning and protecting automotive surfaces. | 75% |
| Bath Products | Personal hygiene products including bar soaps, liquids, or gels that are referred to as body washes, body shampoos, or cleansing lotions, but excluding products marketed as hand cleaners and/or hand sanitizers. | 61% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|--|-----------------------------|
| Bathroom and Spa Cleaners | Products that are designed to clean and/or prevent deposits on surfaces found in bathrooms and spas including, but not necessarily limited to, bath tubs and spas, shower stalls, shower doors, shower curtains, and bathroom walls, floors, doors, and counter and sink tops. Products in this item may be designed to be applied to a specific type of surface or to multiple surface types. They are available both in concentrated and ready-to-use forms. | 74% |
| Bedding, Bed Linens, and Towels | (1) Bedding is that group of woven cloth products used as coverings on a bed. Bedding includes products such as blankets, bedspreads, comforters, and quilts. (2) Bed linens are woven cloth sheets and pillowcases used in bedding. (3) Towels are woven cloth products used primarily for drying and wiping. | 12% |
| Bioremediation Materials | Dry or liquid solutions (including those containing bacteria or other microbes but not including sorbent materials) used to clean oil, fuel, and other hazardous spill sites. | 86% |
| Blast Media | Abrasive particles sprayed forcefully to clean, remove contaminants, or condition surfaces, often preceding coating. | 94% |
| Candles and Wax Melts | Products composed of a solid mass and either an embedded wick that is burned to provide light or aroma, or that are wickless and melt when heated to produce an aroma. | 88% |
| Carpet and Upholstery Cleaners - General Purpose | Cleaning products formulated specifically for use in cleaning carpets and upholstery, through a dry or wet process, found in locations such as houses, cars, and workplaces. Carpet and upholstery cleaners formulated for use in cleaning large areas such as the carpet in an entire room or the upholstery on an entire piece of furniture. | 54% |
| Carpet and Upholstery Cleaners - Spot Removers | Cleaning products formulated specifically for use in cleaning carpets and upholstery, through a dry or wet process, found in locations such as houses, cars, and workplaces. Carpet and upholstery cleaners formulated for use in removing spots or stains in a small confined area. | 7% |
| Carpets | Floor coverings composed of woven, tufted, or knitted fiber and a backing system. | 7% |
| Chain and Cable Lubricants | 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. | 77% |
| Cleaning Tools | Objects that are used to clean a variety of surfaces or items and can be used multiple times. This category includes tools such as brushes, scrapers, abrasive pads, and gloves that are used for cleaning. The expendable materials used in cleaning, such as glass cleaners, single use wipes, and all-purpose cleaners, are excluded from this category as these materials better fit in other categories. | 22% |
| Composite Panels - Acoustical | Engineered products designed for use as structural and sound deadening material suitable for office partitions and doors. | 37% |
| Composite Panels - Countertops | Engineered products designed to serve as horizontal work surfaces in locations such as kitchens, break rooms or other food preparation areas, bathrooms or lavatories, and workrooms | 89% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|---|-----------------------------|
| Composite Panels - Interior Panels | 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. | 55% |
| Composite Panels - Plastic Lumber | Engineered products suitable for non-structural outdoor needs such as exterior signs, trash can holders, and dimensional letters. | 23% |
| Composite Panels - Structural Interior Panels | Engineered products designed for use in structural construction applications, including cabinetry, casework, paneling, and decorative panels. | 89% |
| Composite Panels - Structural Wall Panels | Engineered products designed for use in structural walls, curtain walls, floors and flat roofs in commercial buildings. | 94% |
| Compost Activators and Accelerators | Products in liquid or powder form designed to be applied to compost piles to aid in speeding up the composting process and to ensure successful compost that is ready for consumer use. | 95% |
| Concrete Curing Agents | Products that are designed to enhance and control the curing process of concrete. | 59% |
| Concrete Repair Materials - Concrete Leveling | Products that are designed to repair cracks and other damage to concrete by raising or stabilizing concrete. | 23% |
| Concrete Repair Materials - Concrete Patching | Products that are designed to repair cracks and other damage to concrete by filling and patching the concrete. | 69% |
| Concrete and Asphalt Cleaners | Chemicals used in concrete etching as well as to remove petroleum-based soils, lubricants, paints, mastics, organic soils, rust, and dirt from concrete, asphalt, stone and other hard porous surfaces. Products within this item include only those marketed for use in commercial or residential construction or industrial applications. | 70% |
| 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). | 87% |
| Corrosion Preventatives | Products designed to prevent the deterioration (corrosion) of metals. | 53% |
| Cuts, Burns, and Abrasions Ointments | Products designed to aid in the healing and sanitizing of scratches, cuts, bruises, abrasions, sun damaged skin, tattoos, rashes and other skin conditions. | 84% |
| De-Icers | Chemical products (e.g., salts, fluids) that are designed to aid in the removal of snow and/or ice, and/or in the prevention of the buildup of snow and/or ice, by lowering the freezing point of water. | 93% |
| Deodorants | Products that are designed for inhibiting or masking perspiration and other body odors and that are often combined with an antiperspirant. | 73% |
| Dethatchers | Products used to remove non-decomposed plant material accumulated in grassy areas. | 87% |
| Diesel Fuel Additives | (1) Any substance, other than one composed solely of carbon and/or hydrogen, that is intentionally added to diesel fuel (including any added to a motor vehicle's fuel system) and that is not intentionally removed prior to sale or use. (2) Neat biodiesel, also referred to as B100, when used as an additive. Diesel fuel additive does not mean neat biodiesel when used as a fuel or blended biodiesel fuel (e.g., B20). | 90% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|--|-----------------------------|
| Dishwashing Products | Soaps and detergents used for cleaning and clean rinsing of tableware in either hand washing or dishwashing. | 58% |
| Disposable Containers | Products designed to be used for temporary storage or transportation of materials including, but not limited to, food items. | 72% |
| Disposable Cutlery | Hand-held, disposable utensils designed for one-time use in eating food. | 48% |
| Disposable Tableware | Products made from, or coated with, plastic resins and used in dining, such as drink ware and dishware, including but not limited to cups, plates, bowls, and serving platters, and that are designed for one-time use. This item does not include disposable cutlery, which is a separate item. | 72% |
| Durable Cutlery | Dining utensils that are designed to be used multiple times. | 28% |
| Durable Tableware | Multiple-use drinkware and dishware including cups, plates, bowls, and serving platters. | 28% |
| Dust Suppressants | Products formulated to reduce or eliminate the spread of dust associated with gravel roads, dirt parking lots, or similar sources of dust, including products used in equivalent indoor applications. | 85% |
| Electronic Components Cleaners | Products that are designed to wash or remove dirt or extraneous matter from electronic parts, devices, circuits, or systems. | 91% |
| Engine Crankcase Oil | Lubricating products formulated to provide lubrication and wear protection for four-cycle gasoline or diesel engines. | 25% |
| Epoxy Systems | Two-component systems that are epoxy-based and are used as coatings, adhesives, surface fillers, and composite matrices. | 23% |
| Erosion Control Materials | Woven or non-woven fiber materials manufactured for use on construction, demolition, or other sites to prevent wind or water erosion of loose earth surfaces, which may be combined with seed and/or fertilizer to promote growth. | 77% |
| Expanded Polystyrene (EPS) Foam Recycling Products | Products formulated to dissolve EPS foam to reduce the volume of recycled or discarded EPS items. | 90% |
| Exterior Paints and Coatings | Liquid products that typically contain pigments to add color and are formulated for use on outdoor surfaces. When these products dry, they typically form a protective layer and provide a coat of color to the applied surface. This category includes paint and primers but excludes wood and concrete sealers and stains and specialty coatings such as roof coatings, wastewater system coatings, and water tank coatings. | 83% |
| Facial Care Products | Cleansers, moisturizers, and treatments specifically designed for the face. These products are used to care for the condition of the face by supporting skin integrity, enhancing its appearance, and relieving skin conditions. This category does not include tools and applicators, such as those used to apply facial care products. | 88% |
| Feminine Care Products | Products that are designed for maintaining feminine health and hygiene. This category includes sanitary napkins, panty liners, and tampons. | 65% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|---|-----------------------------|
| Fertilizers | Products formulated or processed to provide nutrients for plant growth and/or beneficial bacteria to convert nutrients into plant usable forms. Biobased fertilizers, which are likely to consist mostly of biobased components, may include both biobased and chemical components. | 71% |
| Films - Non-Durable | Products that are used in packaging, wrappings, linings, and other similar applications. Films that are intended for single use for short-term storage or protection before being discarded. Non-durable films that are designed to have longer lives when used are included in this item. | 85% |
| Films - Semi-Durable | Products that are used in packaging, wrappings, linings, and other similar applications. Films that are designed to resist water, ammonia, and other compounds, to be re-used, and to not readily biodegrade. Products in this item are typically used in the production of bags and packaging materials. | 45% |
| Fire Logs and Fire Starters | Devices or substances that are used to start a fire intended for uses such as comfort heat, decoration, or cooking. Examples include fire logs and lighter fluid. This category excludes heating fuels for chafing dishes, beverage urns, warming boxes, and wick lamps. | 92% |
| Firearm Cleaners, Lubricants, and Protectants | Products that are designed to care for firearms by cleaning, lubricating, protecting, or any combination thereof. | 32% |
| Floor Cleaners and Protectors | Cleaning solutions for either direct application or use in floor scrubbers for wood, vinyl, tile, or similar hard surface floors. Products within this item are marketed specifically for use on industrial, commercial, and/or residential flooring. | 77% |
| Floor Coverings (Non-Carpet) | Products, other than carpet products, that are designed for use as the top layer on a floor. Examples are bamboo, hardwood, and cork tiles. | 91% |
| Floor Strippers | Products that are formulated to loosen waxes, resins, or varnishes from floor surfaces. They can be in either liquid or gel form, and may also be used with or without mechanical assistance. | 78% |
| Fluid-Filled Transformers - Synthetic Ester-Based | Electric power transformers that are designed to utilize a synthetic ester-based dielectric (non-conducting) fluid to provide insulating and cooling properties. | 66% |
| Fluid-Filled Transformers - Vegetable Oil-Based | Electric power transformers that are designed to utilize a vegetable oil-based dielectric (nonconducting) fluid to provide insulating and cooling properties. | 95% |
| Folders and filing products | Products that are designed to hold together items such as loose sheets of paper, documents, and photographs with clasps, fasteners, rings, or folders. This category includes binders, folders, and document covers. | 56% |
| Foliar sprays | Products that are applied to the leaves of plants and provide plants with nutrients. These products may also repair plants from previous pest attacks. | 50% |
| Food Cleaners | Anti-microbial products designed to clean the outer layer of various food products, such as fruit, vegetables, and meats. | 53% |
| Foot Care Products | Products formulated to be used in the soothing or cleaning of feet. | 83% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|--|-----------------------------|
| 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. | 68% |
| Fuel Conditioners | Products formulated to improve the performance and efficiency of engines by providing benefits such as removing accumulated deposits, increasing lubricity, removing moisture, increasing the cetane number, and/or preventing microbial growths within the fuel system. | 64% |
| Furniture Cleaners and Protectors | Products designed to clean and provide protection to the surfaces of household furniture other than the upholstery. | 71% |
| Gardening supplies and accessories | Products that are used to grow plants in outdoor and indoor settings. Examples include seedling starter trays, nonwoven mats or substrates for hydroponics, and flower or plant pots. This category excludes compost activators and accelerators; erosion control materials; fertilizers, including soil inoculants; foliar sprays; mulch and compost materials; and soil amendments. | 43% |
| Gasoline Fuel Additives | Chemical agents added to gasoline to increase octane levels, improve lubricity, and provide engine cleaning properties to gasoline-fired engines. | 92% |
| Gear Lubricants | Products, such as greases or oils, that are designed to reduce friction when applied to a toothed machine part (such as a wheel or cylinder) that meshes with another toothed part to transmit motion or to change speed or direction. | 58% |
| General Purpose Household Cleaners | Products designed to clean multiple common household surfaces. This designated item does not include products that are formulated for use as disinfectants. Task-specific cleaning products, such as spot and stain removers, upholstery cleaners, bathroom cleaners, glass cleaners, etc., are not included in this item. | 39% |
| Glass Cleaners | Cleaning products designed specifically for use in cleaning glass surfaces, such as windows, mirrors, car windows, and computer monitors. | 49% |
| Graffiti and Grease Removers | Industrial solvent products formulated to remove automotive, industrial, or kitchen soils and oils, including grease, paint, and other coatings, from hard surfaces. | 34% |
| Greases - Food Grade | Lubricants composed of oils thickened to a semisolid or solid consistency using soaps, polymers or other solids, or other thickeners. Lubricants that are designed for use on food-processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, or on machine parts and equipment in locations in which there is exposure of the lubricated part to food. | 42% |
| Greases - Multipurpose | Lubricants composed of oils thickened to a semisolid or solid consistency using soaps, polymers or other solids, or other thickeners. Lubricants that are designed for general use. | 72% |
| Greases - Other | Lubricants composed of oils thickened to a semisolid or solid consistency using soaps, polymers or other solids, or other thickeners. Greases that are not otherwise covered by the other grease subcategories. | 75% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|---|-----------------------------|
| Greases - Rail Track | Lubricants composed of oils thickened to a semisolid or solid consistency using soaps, polymers or other solids, or other thickeners. Lubricants that are designed for use on railroad tracks or heavy crane tracks. | 30% |
| Greases - Truck | Lubricants composed of oils thickened to a semisolid or solid consistency using soaps, polymers or other solids, or other thickeners. Lubricants that are designed for use on the fifth wheel of tractor trailer trucks onto which the semi-trailer rests and pivots. | 71% |
| Hair Care Products - Conditioners | Personal hygiene products specifically formulated for hair cleaning and treating applications. These are products whose primary purpose is treating hair to improve the overall condition of hair. | 78% |
| Hair Care Products - Shampoos | Personal hygiene products specifically formulated for hair cleaning and treating applications. These are products whose primary purpose is cleaning hair. Products that contain both shampoos and conditioners are included in this subcategory because the primary purpose of these products is cleaning the hair. | 66% |
| Hand Cleaners and Sanitizers - Hand Cleaners | Products formulated for personal care use in removing a variety of different soils, greases, and similar substances from human hands with or without the use of water. | 64% |
| Hand Cleaners and Sanitizers - Hand Sanitizers | Products formulated for personal care use in removing bacteria from human hands with or without the use of water. Personal care products that are formulated for use in removing a variety of different soils, greases and similar substances and bacteria from human hands with or without the use of water are classified as hand sanitizers for the purposes of this rule. | 73% |
| Heat Transfer Fluids | Products with high thermal capacities used to facilitate the transfer of heat from one location to another, including coolants or refrigerants for use in HVAC applications, internal combustion engines, personal cooling devices, thermal energy storage, or other heating or cooling closed-loops. | 89% |
| Heating Fuels and Wick Lamps | Products that create controlled sources of heat or sustain controlled open flames that are used for warming food, portable stoves, beverage urns, or fondue pots. This category also includes wick lamps and their fuels that create controlled sources of light indoors and in camping or emergency preparedness situations. This category excludes fire logs and fire starters and candles and wax melts. | 75% |
| Industrial Cleaners | Products used to remove contaminants, such as adhesives, inks, paint, dirt, soil, and grease, from parts, products, tools, machinery, equipment, vessels, floors, walls, and other production-related work areas. The cleaning products within this item are usually solvents, but may take other forms. They may be used in either straight solution or diluted with water in pressure washers, or in hand wiping applications in industrial or manufacturing settings, such as inside vessels. Task-specific cleaners used in industrial settings, such as parts wash solutions, are not included in this definition. | 41% |
| Ink Removers and Cleaners | Chemical products designed to remove ink, haze, glaze, and other residual ink contaminants from the surfaces of equipment, such as rollers, used in the textile and printing industries. | 79% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|--|-----------------------------|
| Inks - News | Inks are liquid or powdered materials that are available in several colors and that are used to create the visual image on a substrate when writing, printing, and copying. News inks are used primarily to print newspapers. | 32% |
| Inks - Printer Toner (Greater Than 25 Pages Per Minute) | Inks are liquid or powdered materials that are available in several colors and that are used to create the visual image on a substrate when writing, printing, and copying. Inks that are a powdered chemical, used in photocopying machines and laser printers, which is transferred onto paper to form the printed image. These inks are formulated to be used in printers with advanced fusing mechanisms and print speeds of 25 ppm or greater. | 20% |
| Inks - Printer Toner (Less Than 25 Pages Per Minute) | Inks are liquid or powdered materials that are available in several colors and that are used to create the visual image on a substrate when writing, printing, and copying. Inks that are a powdered chemical, used in photocopying machines and laser printers, which is transferred onto paper to form the printed image. These inks are formulated to be used in printers with standard fusing mechanisms and print speeds of less than 25 ppm. | 34% |
| Inks - Sheetfed (Black) | Inks are liquid or powdered materials that are available in several colors and that are used to create the visual image on a substrate when writing, printing, and copying. Black inks used on coated and uncoated paper, paperboard, some plastic, and foil to print in black on annual reports, brochures, labels, and similar materials. | 49% |
| Inks - Sheetfed (Color) | Inks are liquid or powdered materials that are available in several colors and that are used to create the visual image on a substrate when writing, printing, and copying. Pigmented inks (other than black inks) used on coated and uncoated paper, paperboard, some plastic, and foil to print in color on annual reports, brochures, labels, and similar materials. | 67% |
| Inks - Specialty | Inks are liquid or powdered materials that are available in several colors and that are used to create the visual image on a substrate when writing, printing, and copying. Inks used by printers to add extra characteristics to their prints for special effects or functions. Specialty inks include, but are not limited to: CD printing, erasable, FDA compliant, invisible, magnetic, scratch and sniff, thermochromic, and tree marking inks. | 66% |
| Interior Paints and Coatings - Latex and Waterborne Alkyd | Pigmented liquids, formulated for use indoors, that dry to form a film and provide protection and added color to the objects or surfaces to which they are applied. | 20% |
| Interior Paints and Coatings - Oil-based and Solventborne Alkyd | Pigmented liquids, formulated for use indoors, that dry to form a film and provide protection and added color to the objects or surfaces to which they are applied. | 67% |
| Intermediates - Binders | Materials used to provide cohesiveness throughout an entire finished product. Binders are generally polymers or polymer precursors (such as epoxies) and include the polymeric materials used to formulate coatings, adhesives, sealants, and elastomers. The product category does not include adhesives and glues that are finished products used to attach the surfaces of two or more distinct and separate components to one another. | 47% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|---|-----------------------------|
| Intermediates - Chemicals | Ingredients used as reactants for organic synthesis reactions rather than for their functional properties in a chemical mixture; those used as building block chemicals and secondary chemicals such as glycerol, succinic acid, propanediol, and monomers such as lactic acid and propylene; those used for specific functional properties during manufacturing of other products such as pH regulators, flocculants, precipitants, neutralizing agents, emulsifiers, viscosity reducers, rheology modifiers, adhesion agents, detergents, wetting agents, foaming agents, or dispersants; those that are added to end-use products for their specific functional properties including polyols, polymers, and solvents for thinning and drying applications but excluding solvents used for cleaning; and those used for dyes, pigments, and scents including flavorings for non-food products such as lip balm. | 22% |
| Intermediates - Cleaner Components | Ingredients used specifically for formulating finished cleaning products. Examples of Intermediates - Cleaner Components include chelating agents, surfactants, hydrotropes, fatty acids, or solvents. | 55% |
| Intermediates - Fibers and Fabrics | Includes plant and animal fibers, fibers made from plant-derived polymers that are not yet formed into more complex products such as carpet or fabrics, fabrics made from natural fibers, fabrics made from synthetic fibers, or fabrics made from a blend of the two. These materials are used to manufacture finished products such as clothing, upholstery, or drapes. | 25% |
| Intermediates - Foams | Dry polymer foams used for non-construction purposes, such as cushions for furniture. | 22% |
| Intermediates - Lubricant Components | Ingredients that used specifically to formulate finished lubricant products. Examples of Intermediates – Lubricant Components include base oils, base fluids, additives, or friction modifiers. | 44% |
| Intermediates - Oils, Fats, and Waxes | Includes raw or modified fats and oils derived from plants or animals. | 65% |
| Intermediates - Paint and Coating Components | Ingredients used to formulate finished waterborne or solvent borne paint and coating products. Examples of Intermediates – Paint and Coating Components include binders, pigments, thickeners, curing agents, modifiers, humectants, open time additives, alkyd latex resins, polymers, polyols, reactive oligomers, or reactive diluents. | 22% |
| Intermediates - Personal Care Product Components | Ingredients used to formulate finished personal care products. Examples of Intermediates – Personal Care Product Components include surfactants, oils, humectants, emollients, or emulsifiers. | 62% |
| Intermediates - Plastic Resins | Materials that are typically viscous liquids with the ability to harden permanently and may exist in liquid or solid (powder or pellets) states. Intermediates – Plastic Resins may be used in a variety of finished products neat, consisting of a single resin or polymer, or a homogeneous blend of two or more neat resins or polymers, or a composite, containing two or more distinct materials such as fiber-reinforced resins. Additionally, Intermediates – Plastic Resins may be used in finished products as additives such as plasticizers, pigments, thermal stability agents, or impact modifiers. | 22% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|---|-----------------------------|
| Intermediates - Rubber Materials | Ingredients used in finished products such as rubber gloves, vehicle tires, footwear, sports apparel and equipment, bedding and pillow foams, tubing, catheters, gasketing, or cosmetic adhesives and bases. | 96% |
| Intermediates - Textile Processing Materials | Materials used to treat or finish textiles for the purposes of altering textile characteristics such as color, fading, wrinkle resistance, texture, or moisture management. | 22% |
| Kitchenware and Accessories | Products designed for food or drink preparation. These products include cookware and bakeware, such as baking cups, cookie sheets, parchment paper, and roasting bags or pans; cooking utensils, such as brushes, tongs, spatulas, and ladles; and food preparation items, such as cutting boards, measuring cups, mixing bowls, coffee filters, food preparation gloves, and sandwich and snack bags. | 22% |
| Laundry Products - Dryer Sheets | Products that are designed to clean, condition, or otherwise affect the quality of the laundered material. These are small sheets that are added to laundry in clothes dryers to eliminate static cling, soften fabrics, or otherwise improve the characteristics of the fabric. | 90% |
| Laundry Products - General Purpose | Products that are designed to clean, condition, or otherwise affect the quality of the laundered material. These are laundry products used for regular cleaning activities. | 34% |
| Laundry Products - Pretreatment/Spot Removers | Products that are designed to clean, condition, or otherwise affect the quality of the laundered material. These are laundry products specifically used to pretreat laundry to assist in the removal of spots and stains during laundering. | 46% |
| Leather, Vinyl, and Rubber Care Products | Products that help clean, nourish, protect, and restore leather, vinyl, and rubber surfaces, including cleaners, conditioners, protectants, polishes, waxes, etc. | 55% |
| Lip Care Products | Personal care products formulated to replenish the moisture and/or prevent drying of the lips. | 82% |
| Lotions and Moisturizers | Creams and oils used to soften and treat damaged skin. | 59% |
| Metal Cleaners and Corrosion Removers - Corrosion Removers | Products that are designed to clean and remove grease, oil, dirt, stains, soils, and rust from metal surfaces. Products that are designed to remove rust from metal surfaces through chemical action. | 71% |
| Metal Cleaners and Corrosion Removers - Other Metal Cleaners | Products that are designed to clean and remove grease, oil, dirt, stains, soils, and rust from metal surfaces. Products that are designed to clean and remove grease, oil, dirt, stains, and soils from metal surfaces other than stainless steel. | 56% |
| Metal Cleaners and Corrosion Removers - Stainless Steel | Products that are designed to clean and remove grease, oil, dirt, stains, soils, and rust from metal surfaces. Products that are designed to clean and remove grease, oil, dirt, stains, and soils from stainless steel surfaces. | 75% |
| Metalworking Fluids - General Purpose Soluble, Semi- Synthetic, and Synthetic Oils | Fluids that are 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. | 57% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|---|-----------------------------|
| Metalworking Fluids - High Performance Soluble, Semi-Synthetic, and Synthetic Oils | Fluids that are 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. | 40% |
| Metalworking Fluids - Straight Oils | Fluids that are 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 that are not diluted with water prior to use and are generally used for metalworking processes that require lubrication rather than cooling. | 66% |
| Microbial Cleaning Products - Drain Maintenance Products | Cleaning agents that use microscopic organisms to treat or eliminate waste materials within drains, plumbing fixtures, sewage systems, wastewater treatment systems, or on a variety of other surfaces. These products typically include organisms that digest protein, starch, fat, and cellulose. Products containing microbial agents that are intended for use in plumbing systems such as sinks, showers, and tubs. | 45% |
| Microbial Cleaning Products - General Cleaners | Cleaning agents that use microscopic organisms to treat or eliminate waste materials within drains, plumbing fixtures, sewage systems, wastewater treatment systems, or on a variety of other surfaces. These products typically include organisms that digest protein, starch, fat, and cellulose. General cleaners. Products containing microbial agents that are intended for multi-purpose cleaning in locations such as residential and commercial kitchens and bathrooms. | 50% |
| Microbial Cleaning Products - Wastewater Maintenance Products | Cleaning agents that use microscopic organisms to treat or eliminate waste materials within drains, plumbing fixtures, sewage systems, wastewater treatment systems, or on a variety of other surfaces. These products typically include organisms that digest protein, starch, fat, and cellulose. Wastewater maintenance products. Products containing microbial agents that are intended for use in wastewater systems such as sewer lines and septic tanks. | 44% |
| Mobile Equipment Hydraulic Fluids | Hydraulic fluids formulated for general use in nonstationary equipment, such as tractors, end loaders, or backhoes. | 44% |
| Mulch and Compost Materials | Products designed to provide a protective covering placed over the soil, primarily to keep down weeds and to improve the appearance of landscaping. Compost is the aerobically decomposed remnants of organic materials used in gardening and agriculture as a soil amendment, and commercially by the landscaping and container nursery industries. | 95% |
| Multipurpose Cleaners | Products used to clean dirt, grease, and grime from a variety of items in both industrial and domestic settings. This designated item does not include products that are formulated for use as disinfectants. | 56% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|---|---|-----------------------------|
| 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. | 88% |
| Other Lubricants | Lubricant products that do not fit into any of the BioPreferred Program's specific lubricant categories. This category includes lubricants that are formulated for specialized uses. Examples of other lubricants include lubricants used for sporting or exercise gear and equipment, musical instruments, and specialized equipment such as tree shakers. This category excludes lubricants that are covered by the specific lubricant categories. | 39% |
| Oven and Grill Cleaners | Liquid or gel cleaning agents used on high temperature cooking surfaces such as barbecues, smokers, grills, stoves, and ovens to soften and loosen charred food, grease, and residue. | 66% |
| Packing and Insulating Materials | Pre-formed and molded materials that are used to hold package contents in place during shipping or for insulating and sound proofing applications. | 74% |
| Paint Removers | Products formulated to loosen and remove paint from painted surfaces. | 41% |
| 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. | 65% |
| Penetrating Lubricants | Products formulated to provide light lubrication and corrosion resistance in close tolerant internal and external applications including frozen nuts and bolts, power tools, gears, valves, chains, and cables. | 68% |
| Phase Change Materials | Products that are capable of absorbing and releasing large amounts of thermal energy by freezing and thawing at certain temperatures. Heat is absorbed or released when the material changes from solid to liquid and vice versa. Applications may include, but are not limited to, conditioning of buildings, medical applications, thermal energy storage, or cooling of food. Materials such as animal fats and plant oils that melt at desirable temperatures are typically used to make products in this category. | 71% |
| Plastic Insulating Foam for Residential and Commercial Construction | Spray-in-place plastic foam products designed to provide a sealed thermal barrier for residential or commercial construction applications. | 7% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|--|-----------------------------|
| Playground and Athletic Surface Materials | Products that are designed for use on playgrounds and athletic surfaces. Examples include materials that are applied to the surfaces of playgrounds, athletic fields, and other sports surfaces to enhance or change the color or general appearance of the surface and to provide safety and/or performance benefits. Such materials include, but are not limited to, top coatings, primers, line marking paints, and rubberized pellets that are used on athletic courts, tracks, natural or artificial turf, and other playing surfaces. This category does not include the artificial turf or surface itself, as that is included in the carpets product category. | 22% |
| Pneumatic Equipment Lubricants | Lubricants designed specifically for pneumatic equipment, including air compressors, vacuum pumps, in-line lubricators, rock drills, jackhammers, etc. | 67% |
| Powder Coatings | Polymer resin systems that are combined with stabilizers, curatives, pigments, and other additives and ground into a powder. These coatings are applied electrostatically to metallic surfaces and then cured under heat. Powder coatings are typically used for coating metals, such as vehicle and bicycle parts, household appliances, and aluminum extrusions. | 34% |
| Product Packaging | Used to protect, handle, and retain a product during activities related but not limited to its storage, distribution, sale, and use. These containers are typically designed to be used once. This category excludes packing and insulating materials and shopping and trash bags. | 25% |
| Roof Coatings | Coatings formulated for use in commercial roof deck systems to provide a single-coat monolith coating system. | 20% |
| Rugs and Floor Mats | Floor coverings that are used for decorative or ergonomic purposes and that are not attached to the floor. This category includes items such as area rugs, rug runners, chair mats, and bathroom and kitchen mats. This category excludes products composed of woven, tufted, or knitted fiber and a backing system because these products fall under the "Carpets" product category. | 23% |
| Shaving Products | Products designed for every step of the shaving process, including shaving creams, gels, soaps, lotions, and aftershave balms. | 92% |
| Shopping and Trash Bags | Open-ended bags that are typically made of thin, flexible film and are used for containing and transporting items such as consumer goods and waste. This category does not include product packaging, disposable containers, or semi-durable and non-durable films. | 22% |
| Slide Way Lubricants | Products used to provide lubrication and eliminate stick-slip and table chatter by reducing friction between mating surfaces, or slides, found in machine tools. | 74% |
| Soil Amendments | Materials that enhance the physical characteristics of soil through improving water retention or drainage, improving nutrient cycling, promoting microbial growth, or changing the soil's pH. This category excludes foliar sprays and chemical fertilizers. | 72% |
| Sorbents | Materials formulated for use in the cleanup and bioremediation of oil and chemical spills, the disposal of liquid materials, or the prevention of leakage or leaching in maintenance applications, shop floors, and fuel storage areas. | 89% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|---|-----------------------------|
| Specialty Precision Cleaners and Solvents | Cleaners and solvents used in specialty applications. These materials may be used in neat solution, diluted with water, or in hand wiping applications. | 56% |
| Stationary Equipment Hydraulic Fluids | 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). | 44% |
| Sun Care Products | Products including sunscreens, sun blocks, and suntan lotions that are topical products that absorb or reflect the sun's ultraviolet radiation to protect the skin. | 53% |
| Surface Guards, Molding, and Trim | These products are typically used during construction or manufacturing. These products are designed to protect surfaces, such as walls and floors, from damage or to cover the exposed edges of furniture or floors. | 26% |
| Thermal Shipping Containers - Durable | Insulated containers designed for shipping temperature-sensitive materials. These are thermal shipping containers that are designed to be reused over an extended period of time. | 21% |
| Thermal Shipping Containers - Non-Durable | Insulated containers designed for shipping temperature-sensitive materials. These are thermal shipping containers that are designed to be used once. | 82% |
| Topical Pain Relief Products | Products that can be balms, creams and other topical treatments used for the relief of muscle, joint, headache, and nerve pain, as well as sprains, bruises, swelling, and other aches. | 91% |
| Toys and Sporting Gear | Products that are designed for indoor or outdoor recreational use including, but not limited to, toys; games; and sports equipment and accessories such as balls, bats, racquets, nets, and bicycle seats. | 32% |
| Traffic and Zone Marking Paints | Products that are formulated and marketed for marking and striping parking lots, roads, streets, highways, or other traffic surfaces including, but not limited to, curbs, crosswalks, driveways, sidewalks, and airport runways. | 30% |
| Transmission Fluids | Liquid acting as lubricant and coolant for the moving parts in a transmission. | 60% |
| Turbine Drip Oils | Products that are lubricants for use in drip lubrication systems for water well line shaft bearings, water turbine bearings for irrigation pumps, and other turbine bearing applications. | 87% |
| Wall Coverings | Materials that are applied to walls through the use of an adhesive. This category includes, but is not limited to, wallpaper, vinyl wall coverings, and wall fabrics. This category excludes all types of paints or coatings. | 62% |
| Wastewater Systems Coatings | Coatings that protect wastewater containment tanks, liners, roofing, flooring, joint caulking, manholes and related structures from corrosion. Protective coatings may cover the entire system or be used to fill cracks in systems. | 47% |
| Water Tank Coatings | Coatings formulated for use in potable water storage systems. | 59% |
| Water Turbine Bearing Oils | Lubricants that are specifically formulated for use in the bearings found in water turbines for electric power generation. Previously designated turbine drip oils are used to lubricate bearings of shaft driven water well turbine pumps. | 46% |

| USDA BioPreferred Program Product Categories as of August 2019 | Description | Minimum Biobased Content |
|--|---|-----------------------------|
| Water and Wastewater Treatment Chemicals | Chemicals that are specifically formulated to purify raw water or to treat and purify wastewater from residential, commercial, industrial, and agricultural systems. | 87% |
| Wood and Concrete Sealers - Membrane Concrete Sealers | Products that are penetrating liquids formulated to protect wood and/or concrete, including masonry and fiber cement siding, from damage caused by insects, moisture, and decaying fungi and to make surfaces water resistant. Concrete sealers that are formulated to form a protective layer on the surface of the substrate. | 11% |
| Wood and Concrete Sealers - Penetrating Liquids | Products that are penetrating liquids formulated to protect wood and/or concrete, including masonry and fiber cement siding, from damage caused by insects, moisture, and decaying fungi and to make surfaces water resistant. Wood and concrete sealers that are formulated to penetrate the outer surface of the substrate. | 79% |
| Wood and Concrete Stains | Products that are designed to be applied as a finish for concrete and wood surfaces and that contain dyes or pigments to change the color without concealing the grain pattern or surface texture. | 39% |

Minimum biobased content requirement is measured by ASTM D6866 testing.

ISO/IEC 17025:2005-accredited Beta Analytic is not affiliated with the USDA BioPreferred Program.

However, you are welcome to contact BETA ANALYTIC on how to submit samples for testing as part of the Biopreferred Voluntary Labeling Program.