COMMODITY CODING MANUAL
1997 Commodity Flow Survey
INTRODUCTION

This manual provides the 5-digit Standard Classification of Transported Goods (SCTG) commodity codes that you will use to complete column '(f)' of the shipment characteristics, Item F.

For single shipments of more than one commodity, use the 5-digit code representing the largest commodity by weight.

It is important that you use the 5-digit SCTG codes in this manual to classify your commodities. This enables the Census Bureau to uniformly aggregate and present the data resulting from the CFS.

How to Use This Manual

This manual presents the SCTG codes in numerical sequence. Beginning below is an index to help you find the appropriate 5-digit SCTG code.

Find the major group description (in bold type) that best describes the shipment and turn to the indicated page. Note: subgroups are included below the major groups as a guide for locating the correct major group.

The abbreviation "n.e.c." stands for "not elsewhere classified". As an example, the code 01009, "Live animals n.e.c." includes all live animals that have not been specifically classified elsewhere in the manual.

To assist in finding the correct 5-digit SCTG code, exceptions or inclusions are noted using italics, in parentheses. The numbers in the list of exclusions refer to the first 3, 4, or 5 digits of the correct SCTG code. For example: (except electrical equipment 359xx). Under SCTG code 359xx the correct 5-digit code may be 35911 (Primary cells and batteries), or 35912 (Secondary cells and storage batteries, etc.).

The term "including" is often followed by examples of products in that particular product definition. These lists are not all inclusive.

Machinery Parts: In general, machinery parts are included in the same SCTG code as the machinery for which they are parts. For example, product code 36351 includes motorcycles, and mopeds, and their parts. Exceptions to this rule are noted where they occur, for example: SCTG 37210, Aircraft, except parts.

Index for Finding SCTG Codes

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Textiles and articles of textiles
Leather and articles of leather

Non-Metallic Mineral Products
Hydraulic cements
Ceramic products
Glass and glass products
Other non-metallic mineral products

Base Metal in Primary or Semi-Finished Forms and in Finished Basic Shapes
Pipes, tubes, and fittings
Structures and structural parts
Hand tools, cutlery, interchangeable tools for hand or machine-tools, hardware, and industrial fasteners (excludes precious metal, see 40942)
Other articles of base metal (excludes articles of precious metal, see 40942)

Machinery
Turbines, boiler, internal combustion engines, and non-electric motors and engines
Other mechanical machinery

Electronic and Other Electrical Equipment and Components, and Office Equipment
Vehicles
Motor vehicle parts

Motorized and Other Vehicles (including parts)

Transportation Equipment, N.E.C.
Railway equipment
Aircraft and spacecraft
Ships, boats, and floating structures

Precision Instruments and Apparatus

Furniture, Mattresses and Mattress Supports, Lamps, Lighting Fittings, and Illuminated Signs

Miscellaneous Manufactured Products

Waste and Scrap (except of agriculture or food, see 041XX)
Live Animals and Fish

Live bovine animals ............................................. 01001
Live swine .......................................................... 01002
Live poultry ......................................................... 01003
Live fish, including live eels .................................... 01004
Live animals, n.e.c. (except live shellfish, crustaceans such as crabs and lobsters, squid, octopus, and other aquatic invertebrates, see 05204) .................................................. 01009

Cereal Grains (including seed)

Wheat ................................................................. 02100
Corn (except sweet, see 03219) .................................. 02200
Rye ........................................................................ 02901
Barley ..................................................................... 02902
Oats ....................................................................... 02903
Grain sorghum ....................................................... 02904
Cereal grains, n.e.c., including rice (excludes soy beans, see 03400, and other oil seeds, see 0350x) .............................................................. 02909

Other Agricultural Products Excluding Animal Feed

Vegetables, fresh, chilled, or dried

Potatoes, fresh or chilled (except sweet potatoes, see 03219) .................... 03100
Tomatoes, fresh or chilled ........................................................................ 03211
Onions, shallots, garlic, leeks, and onion sets, fresh or chilled .................... 03212
Lettuce, fresh or chilled ............................................................................. 03213
Leguminous vegetables, fresh or chilled ..................................................... 03214
Fresh or chilled vegetables, n.e.c. ............................................................... 03219
Leguminous vegetables, dried (includes those for use as seed, but excludes milled vegetables, see 06299) .................................................. 03221
Dried vegetables, n.e.c (includes those for use as seed, but excludes milled vegetables, see 06299) .................................................. 03229

Fruit and nuts, fresh, chilled, or dried

Oranges, fresh or chilled ........................................................................... 03311
Grapefruit, fresh or chilled ....................................................................... 03312
Citrus fruit n.e.c., fresh or chilled ............................................................... 03319
Bananas and plantains, fresh or chilled ..................................................... 03321
Grapes, fresh or chilled ............................................................................ 03322
Melons, fresh or chilled ............................................................................ 03323
Apples, fresh or chilled ............................................................................ 03324
Fresh or chilled fruit, n.e.c. (excludes olives, see 03219) ............................ 03329
Dried grapes (includes raisins and “currants”) ........................................... 03331
Dried fruit, n.e.c. (includes mixtures of dried fruit) ..................................... 03339
Nuts in the shell (not including peanuts, see 03501) ................................. 03341
Shelled nuts not further processed (not including peanuts, see 03501) ........ 03342

Other agricultural products

Soy beans ..................................................................... 03400
Peanuts, unroasted .................................................................................... 03501
Linseed (flaxseed) ...................................................................................... 03502
Colza (rape) or canola seeds .................................................................... 03503
Sunflower seeds ......................................................................................... 03504
Cotton seeds .............................................................................................. 03505
Mustard seeds ............................................................................................ 03506
Oil seeds and nuts, n.e.c. ........................................................................... 03509
Bulbs and roots and similar products, live trees and other plants, and mushroom spawn .......................................................... 03601
Seeds for sowing n.e.c. .............................................................................. 03602
Fresh-cut flowers ........................................................................................ 03910
Tobacco, not stemmed or stripped ............................................................. 03921
Stemmed and partially stemmed tobacco .................................................. 03922
Raw cotton (not carded or combed) ............................................................ 03930
Unprocessed coffee and unfermented tea ................................................... 03991
Sugar beet and sugar cane ........................................................................ 03992
Agricultural products, n.e.c., including cotton linters, seaweed, and forestry products (except forage products and cereal straw, see 04110, raw spices, see 07303, natural rubber and gums, see 24102, and plants processed for ornamentation, see 40999) .......................................................... 03999

Animal Feed and Products of Animal Origin, N.E.C.

Cereal straw or husks and forage products ............................................... 04110
Inedible flours, meals, and pellets of meat, fish, or seafood, and greaves .......................................................... 04120
Bran, sharps, and other residues of cereals or leguminous plants .............. 04130
Oil cake and other solid residues from the manufacture of vegetable fats or oils .......................................................... 04140
Eggs in the shell .......................................................................................... 04191
Raw hides and skins (including furskins) .................................................... 04192
Shorn or pulled greasy wool, animal hair not carded or combed, silk-worm cocoons suitable for reeling, and raw silk .......................................................... 04193
Residues and waste from the food industries used in animal feeding, and products of animal origin n.e.c. .................. 04199
Dog or cat food put up for retail sale ........................................................... 04210
Animal feed preparations, n.e.c., including premixes and supplements ........ 04290
Meat, Fish, and Seafood, and their Preparations

Meat, Fish, and Seafood, and their Preparations

Meat except poultry, fresh or chilled 05111
Meat except poultry, frozen 05112
Poultry, fresh or chilled 05121
Poultry, frozen 05122
Meat, salted, in brine, dried, or smoked; and pig or poultry fat, not rendered 05130
Fresh or chilled fish 05201
Frozen fish 05202
Fish, salted, in brine, dried, or smoked, and edible fish meal 05203
Aquatic invertebrates, live, fresh, chilled, frozen, salted, in brine, or dried, and crustaceans in shell cooked by steaming or by boiling in water 05204
Preparations, extracts, and juices of meat including poultry (except soups and broths, see 07720) 05310
Preparations, extracts, and juices of fish or seafood (aquatic invertebrates) (except soups and broths, see 07720) 05320

Milled Grain Products and Preparations, and Bakery Products

Milled grain products
Wheat flour, groats, and meal (except byproducts, see 04130) 06100
Malt 06210
Milled rice 06291
Corn flour, groats, and meal 06292
Starches and modified starches 06293
Inulin; wheat gluten; milled cereals and vegetables, n.e.c.; and grains otherwise worked, n.e.c. (except milling byproducts, see 04130) 06299

Bakery products and preparations of cereals, flour, starch or milk

Pasta (including stuffed, canned, frozen, or dried) and couscous 06310
Breakfast cereal foods, swelled or roasted 06320
Mixes and doughs for preparing bakery products, including batters 06391
Rice preparations, instant rice, and partially cooked rice 06392
Food preparations of cereals, flour, starch, or milk, n.e.c., including tapioca, malt extract, ice cream and milk shake mixes, puddings, and infant formula 06399
Baked snack foods (excludes cookies and crackers, see 06432) 06410
Frozen baked products, including quiche, pizza, and waffles 06420
Perishable baked products (including fresh bread, pastries, pies, pizza, and quiche) 06431
Dry baked products (including cookies, crackers, and taco shells) 06432

Other Prepared Foodstuffs, and Fats and Oils

Dairy products (except beverages and preparations)
Milk and cream, unconcentrated and unsweetened 07111
Milk and cream, in powder, granules, or other solid forms 07112
Milk and cream, n.e.c. 07119
Cheese and curds 07120
Ice cream, ice milk, sherbets, and ices (excludes frozen yogurt, see 07199, and ice cream and ice milk mixes, see 06399) 07130
Butter and other fats and oils derived from milk 07191
Dairy products, n.e.c. (excludes mixtures of butter and vegetable oil, see 0743x; preparations based on milk, see 06399, eggnog and flavored milk drinks, see 07899) 07199

Processed or prepared vegetables, fruit, or nuts, n.e.c., and juices

Processed or prepared vegetables and vegetable preparations (including french fries and vegetable mixtures) 07210
Potato chips 07221
Processed or prepared vegetables, n.e.c. (including canned and pickled vegetables and relishes, but not including: frozen or dried vegetables, see 03221, 03229, or 07210; canned or prepared vegetables, see 06299; soup mixes, see 07720; tomato sauces, see 07711; or other sauces, see 07719) 07229
Jams, jellies, marmalades, fruit or nut purées, and fruit or nut pastes 07231
Processed or prepared nuts, peanuts, or seeds (except purées and pastes, see 07231, but including roasted nuts and peanut butter) 07232
Processed or prepared fruit, n.e.c., including canned fruit (except dried, see 0333x) 07239
Processed or prepared fruit, n.e.c. (does not include beverages based on juices, such as ades or nectars, see 078xx) 07241
Frozen fruit and vegetable juices (does not include beverages based on juices, such as ades or nectars, see 078xx) 07242

Coffee, tea, and spices

Processed coffee (including roasted or ground) 07301
Processed (fermented) tea 07302
Spices, including unprocessed spices 07303
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<td>Dolomite, including monumental, building, and crushed ... 13300</td>
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<td>Sulfur, n.e.c. (except sublimed, precipitated, or colloidal, see 20210) ... 13910</td>
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### Metallic Ores and Concentrates
- Iron ores and concentrates ............................................. 14100
- Copper ores and concentrates ........................................ 14910
- Nickel ores and concentrates ......................................... 14991
- Aluminum ores and concentrates, including bauxite .......... 14992
- Lead ores and concentrates ........................................... 14993
- Zinc ores and concentrates .............................................. 14994
- Uranium or thorium ores and concentrates 14995
- Titanium ................................................................. 14996
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### Coal
- Non-agglomerated bituminous coal .................................... 15100
- Non-agglomerated anthracite .......................................... 15910
- Non-agglomerated lignite (except jet, see 13999) ............. 15920
- Agglomerated coal including briquettes ......................... 15930

### Crude Petroleum, Gasoline, Fuel Oils, and Aviation Turbine Fuel
- Crude petroleum oil and oils obtained from bituminous minerals 16000
- Gasoline including aviation .......... .................................... 17100
- Aviation turbine fuel (jet types A and B) .......................... 17200
- Fuel oils including diesel and Bunker C .......................... 18000

### Coal and Petroleum Products, N.E.C.
- Lubricating oils and greases (except mixtures and preparations containing less than 70% by weight of petroleum oils or oils obtained from bituminous materials, see 23909) .......... 19100
- Kerosene (except type A jet fuel, see 17200) ..................... 19201
- Refined petroleum oils and oils obtained from bituminous minerals n.e.c. 19209
- Liquefied natural gas ................................................... 19310
- Propane, liquefied ....................................................... 19321
- Butane, liquefied (excluding chemically pure, see 20501) ..... 19322
- Liquefied gaseous hydrocarbons, n.e.c. (excluding chemically pure, see 20501) ................................................. 19329
- Gaseous hydrocarbons in a gaseous state (excluding chemically pure, see 20501) .................................................. 19330
- Coke and semi-coke of coal, lignite, or peat, and retort carbon 19911
- Petroleum coke, including calcined ................................ 19912
- Petroleum asphalt ....................................................... 19920
- Asphaltic mixtures based on natural asphalt, natural bitumen, petroleum asphalt, mineral tar, or mineral-tar pitch, and tarred macadam 19930
- Other coal products and products of petroleum refining, n.e.c., and natural asphaltic minerals 19990

### Basic Chemicals

#### Inorganic chemicals
- Sodium hydroxide (caustic soda) .................................... 20101
- Potassium hydroxide (caustic potash) ............................... 20102
- Sulfur, sublimed, precipitated, or colloidal ........................... 20210
- Hydrogen chloride (hydrochloric acid) ............................ 20221
- Sulfuric acid and oleum ............................................... 20222
- Inorganic acids, n.e.c. (except nitric and sulfonitric acid, see 22020 and phosphoric acid, see 22039) 20229
- Artificial corundum ..................................................... 20231
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- Carbon dioxide ......................................................... 20241
- Hydrogen, nitrogen, oxygen, and rare gases such as argon and helium 20242
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Organic chemicals

Cyclic hydrocarbons .................................................. 20300
Acyclic alcohols ....................................................... 20410
Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, and quinones (excludes their halogenated, sulfonated, nitrated, or nitrosated derivatives, see 20509) .................................................. 20420

Organic acids, their anhydrides, halides, peroxides, and peroxyacids, and their halogenated, sulfonated, nitrated, or nitrosated derivatives .................................................. 20430

Acyclic hydrocarbons (except methane and propane, see 193xx) .................................................. 20501

Halogenated derivatives of hydrocarbons .................................................. 20502

Sulfonamides, provitamins and vitamins, hormones, glycosides or vegetable alkaloids and their derivatives, antibiotics, and chemically pure sugars n.e.c. (excludes products put up in measured doses or for retail sales, see 21000) .................................................. 20503

Organic dyes, pigments, lakes, and toners .................................................. 20504

Organic chemicals n.e.c (excludes all cellulose derivatives, see 24101) .................................................. 20509

Pharmaceutical Products

Pharmaceutical products, including chemical mixtures for medical use, in any form; unmixed chemicals for medical use, put up in measured doses or for retail sale; biological products; bandages (including adhesive) and related products, prepared for medical use or in packages for immediate medical use; sutures; dental fillings; bone reconstruction cements; and chemical contraceptive preparations based on hormones or spermicides. (excludes unmixed chemicals not in the forms specified above, which include most of the products in 20503 but which can also fall elsewhere in 20xxx) .................................................. 21000

Fertilizers

Animal or vegetable fertilizers and fertilizers produced by mixing or chemically treating animal or vegetable products .................................................. 22010

Nitrogenous mineral or chemical fertilizers (including nitric acid, sulfonitric acids, and ammonia) .................................................. 22020

Phosphatic slag (basic slag or Thomas slag) .................................................. 22031

Phosphatic mineral or chemical fertilizers, n.e.c. (includes superphosphates and phosphoric acid) .................................................. 22039

Potassium chloride (potash) .................................................. 22041

Potassic mineral or chemical fertilizers, n.e.c. .................................................. 22049

Fertilizers, n.e.c., including ammonium phosphate and fertilizers that are mixed or put up for retail sale .................................................. 22090

Chemical Products and Preparations, N.E.C.

Paints and varnishes, including lacquers and distempers, and prepared water pigments for finishing leather .................................................. 23110

Vegetable tanning extracts or coloring matter, tannins and their derivatives, animal coloring matter, n.e.c., mastics including putty, powdered glass, household dyes, surfacing preparations, and specialty preparations for paint, glass, or similar uses (excludes inorganic pigments, see 2026x; carbon black, see 20292; and organic dyes, pigments, lakes, and toners, see 20504) .................................................. 23121

Inks .................................................. 23122

Essential oils, resinoids, and mixtures of odoriferous substances used as raw materials .................................................. 23201

Perfumery, cosmetic, or toilet preparations .................................................. 23202

Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations .................................................. 23300

Photographic or cinematographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use .................................................. 23400

Insecticides, rodenticides, fungicides, herbicides, anti-sprouting products, plant-growth regulators, disinfectants, and similar products (except chemicals not made up as preparations, see 20xxx) .................................................. 23500

Glues and prepared glues .................................................. 23901

Prepared explosives, pyrotechnic products, matches, pyrophoric alloys, and combustible preparations, n.e.c. (except cellulosic explosives not in prepared forms, see 24101, and other explosives not in prepared forms, see 20xxx) .................................................. 23902

Activated carbon, activated natural mineral products, and animal black .................................................. 23903

Anti-knock preparations, oxidation or gum inhibitors, viscosity improvers, anti-corrosive preparations, and other prepared additives for mineral oils such as gasoline; hydraulic brake and transmission fluids containing none or less than 70% by weight of petroleum or bituminous oils; anti-freezing preparations; and prepared de-icing fluids .................................................. 23904

Industrial monocarboxylic fatty acids and acid oils from refining .................................................. 23905

Water-treatment preparations (includes anti-scaling compounds, flocculating agents, and water-softening compounds) .................................................. 23906
Plastics and Rubber

Plastics and rubber in primary forms
Plastics in primary forms; other cellulose derivatives 24101
Natural rubber and similar natural gums, reclaimed rubber, and synthetic rubber and factice, in primary forms or in plates, sheets, or strip 24102

Articles of plastics
Man-made fiber filament tow or staple fibers, not carded or combed 24211
Monofilaments of plastics of which any cross-sectional dimension exceeds 1 mm; rods; sticks; and profile shapes 24212
Plastics plates, sheets, film, foil, tape, strip, and other flat shapes, including combinations with other materials 24213
Plastics tubes, pipes, hoses, and fittings 24221
Plastics floor, wall, or ceiling coverings 24222
Plastics bathtubs, shower-stalls, wash-basins, toilet bowls and tanks, toilet seats and covers, and similar sanitary ware 24223
Plastics closures and articles for conveying or packing goods 24224
Plastics household or toilet articles 24225
Plastics articles, n.e.c., including builders' ware, hardware, fasteners, and apparel 24229

Articles of rubber
Tires, inner tubes, mud or tire flaps, and "camelback" strips for retreading, of vulcanized rubber (except tread rubber, see 24102) 24310
Tubes, pipes, and hoses, of vulcanized rubber (except hard rubber, see 24399) 24391
Articles of rubber, n.e.c. 24399

Logs and Other Wood in the Rough
Logs for pulping (pulpwood) 25010
Logs for lumber 25020
Fuel wood 25091
Wood in the rough, treated with paint, stains, creosote, or other preservatives 25092
Other untreated wood in the rough 25093

Wood Products
Wood chips or particles 26100
Lumber, treated 26211
Lumber, untreated 26212
Wood continuously shaped along any of its edges or faces 26221
Shingles and shakes 26222
Veneer sheets and sheets for plywood 26310
Particle board, fiberboard, and similar board of wood or other ligneous materials 26320
Plywood, veneered panels, and similar laminated wood including doorskins 26330
Windows, doors, and frames and thresholds 26401
Builders' joinery and carpentry of wood, n.e.c. (except shingles and shakes, see 26222) 26409
Wood packing containers, cable drums, pallets and skids, and cooperers' products 26901
Wood products, n.e.c., including wood charcoal, densified wood, and coffins 26909

Pulp, Newsprint, Paper, and Paperboard
Pulp of fibrous cellulosic materials
Mechanical wood pulp 27110
Non-dissolving grades of soda or sulfate chemical wood pulp 27120
Dissolving grades of chemical wood pulp 27191
Pulp of fibrous cellulosic materials, n.e.c. 27199

Paper and paperboard, in large rolls or sheets
Newsprint in large rolls or sheets 27200
Uncoated paper for writing, printing, or other graphic purposes, in large rolls or sheets 27311
Toilet or facial tissue stock, towel or napkin stock, and similar paper stock used for household or sanitary purposes, in large rolls or sheets 27312
Uncoated paper in large rolls or sheets, n.e.c. 27319
Uncoated paperboard in large rolls or sheets 27320
Paper, coated, impregnated, treated, or worked, in large rolls or sheets 27410
Paperboard, coated, impregnated, treated, or worked, in large rolls or sheets 27420

Paper or Paperboard Articles
Toilet paper, towels, tampons, and similar articles of paper for household, sanitary, or hospital use, and paper articles of apparel 28010
Sacks and bags of paper, paperboard, cellulose wadding, or cellulose fiber webs 28021
Other packing containers of paper, paperboard, cellulose wadding, or webs of cellulose fibers, n.e.c. 28029
Printed Products
Printed books, brochures, leaflets, and similar printed products (except advertising materials including catalogs, see 29300; atlases and music books, see 29999) ........................................ 29100
Newspapers ............................................. 29200
Journals and periodicals ................................ 29220
Advertising material, commercial or trade catalogs, and similar printed products, including flyers ........................................ 29300
Printed or illustrated postcards, messages, or announcements, and printed cards bearing personal greetings ........................................ 29910
Manifold business-forms and interleaved carbon-sets ........................................ 29991
Printed products, n.e.c., including blankbooks, binders, and albums ........................................ 29999

Textiles, Leather, and Articles of Textiles or Leather
Textiles and articles of textiles
Textile fibers, processed but not spun or made into yarn (does not include raw cotton, see 03930; other raw vegetable fibers, see 03999; and raw animal fibers such as greasy wool, see 04193) ........................................ 30110
Yarns and thread (except specialty yarns such as metallized or gimped, see 30399) ........................................ 30120
Broadwoven fabrics (except of metallized yarn, see 30399) ........................................ 30130
Knitted or crocheted fabrics .................................. 30140
Textile clothing and accessories, clothing made of artificial fur, and headgear (excludes clothing and accessories of plastics, see 24229; of rubber, see 24399; of leather or fur, see 30503; of asbestos, see 31294; of paper, see 28010, except safety headgear, see 40999) ........................................ 30200
Narrow-woven fabrics and related products .................................. 30310
Tufted carpets and other textile floor coverings .................................. 30321
 Carpets and other textile floor coverings, n.e.c. .................................. 30329
Textile household furnishings, including bed linens, table linens, toilet linens, curtains, quilts, comforters, pillows, and cushions (excludes household furnishings of plastics, see 24225; of paper, see 28010; and of other non-textile materials) ........................................ 30330
Nonwoven and felt fabrics .................................. 30391
Impregnated, coated, covered, or laminated textile fabrics, including rubberized .................................. 30392
Textiles and textile articles, n.e.c. (except garnetted fibers, not further processed, see 41299) .................................. 30399
Leather and articles of leather
Footwear ............................................. 30400
Leather and tanned or dressed furskins .................................. 30501
Luggage, cases, and containers of leather or allied materials .................................. 30502
Articles of leather, gut, or furskins, n.e.c., including apparel and clothing accessories (except leather sport gloves, see 40222) .................................. 30503

Non-Metallic Mineral Products
Hydraulic cements
Hydraulic cements .................................. 31100
Ceramic products
Refractory ceramic products, including mortars and mixes .................................. 31210
Ceramic pipes, conduits, guttering, and pipe fittings; ceramic flagstones; and ceramic paving, heath, wall, or mosaic tiles .................................. 31221
Other ceramic construction products .................................. 31229
China, porcelain, or other ceramic household or personal articles .................................. 31230
Ceramic sanitary fixtures .................................. 31291
Ceramic products, n.e.c. .................................. 31299
Glass and glass products
Glass in sheets or profiles (includes worked glass and float, cast, rolled, drawn, or blown glass) .................................. 31310
Glass containers for transporting or packing goods .................................. 31320
Safety glass, comprising toughened (tempered) or laminated glass .................................. 31391
Glassware used for table, kitchen, toilet, office, indoor decoration, or similar purposes .................................. 31392
Glass slivers, rovings, yarns, and chopped strands .................................. 31393
Glass and glass products, n.e.c., including optical fibers, woven fabric, and articles (except non-woven products of glass fibers and other mineral wool, see 31993; excludes communications and similar insulated optical cable, see 35994) .................................. 31399
Other non-metallic mineral products
Worked monumental or building granite and articles .................................. 31910
Worked monumental or building stone and articles, n.e.c. .................................. 31919
Asphalt shingles .................................. 31921
Articles of asphalt or of similar material, n.e.c. (excludes asphalritic mixtures, see 19930) .................................. 31929
Prefabricated structural components of concrete
Articles of cement, concrete, artificial stone, n.e.c.
Quicklime, slaked lime, and hydraulic lime
Exfoliated vermiculite, expanded clays, foamed slag, and similar expanded mineral materials
Slag rock and similar mineral wools, and thin sheets, webs, mattresses, boards, and similar nonwoven products of glass-fibers
Articles of asbestos-cement, cellulose fiber-cement, or of similar materials, fabricated asbestos fibers, mixtures with a basis of asbestos or with a basis of asbestos and magnesium carbonate and articles of such mixtures or of asbestos
Non-metallic mineral products, n.e.c.

Base Metal in Primary or Semi-Finished Forms and in Finished Basic Shapes
Ferro-alloys
Iron and steel in primary forms and semi-finished forms, powders, and granules
Flat-rolled products of iron or steel, including plate, sheet, foil, and strip
Bars, rods, angles, shapes, sections, and wire, of iron or steel
Copper in unwrought forms, powders or flakes, and additive alloys
Copper bars, rods, profiles, wire, plates, sheets, strip, and foil (including backed foil)
Unwrought forms of aluminum, and powders and flakes
Aluminum bars, rods, profiles, and wire
Aluminum plates, sheets, strip, and foil (including backed foil)
Lead in unwrought forms, in finished basic shapes, or in powders or granules
Nonferrous metal n.e.c. in unwrought forms, in finished basic shapes, or in powders or granules, including foil and backed foil (excludes precious metals, see 40941)

Articles of Base Metal
Pipes, tubes, and fittings
Pipes and tubes of iron and steel
Pipes and tubes of base metals except iron and steel
Pipe and tube fittings of iron or steel
Pipe and tube fittings of base metals except iron and steel
Structures and structural parts
Metal doors and windows and their frames
Metal structures and structural parts, n.e.c. (except prefabricated buildings, see 40920)
Hand tools, cutlery, interchangeable tools for hand-or machine-tools, hardware, and industrial fasteners (excludes precious metal, see 40942)
Nails, screws, bolts, nuts, washers, staples except in strips, and similar fastening articles
Hand tools, small mechanical appliances for food preparation, and blades for saws
Cutlery, including cutlery plated with precious metal (excludes cutlery of precious metal, and cutlery clad with precious metal, see 40942)
Interchangeable tools for hand-or machine-tools, including for construction and mining tools
Locks, mountings and fittings, racks and similar fixtures, and automatic door closers, of base metal
Other articles of base metal (excludes articles of precious metal, see 40942)
Metal containers with a capacity not exceeding 300 liters (about 80 gallons), n.e.c. (except containers for compressed or liquefied gas, see 33992)
Railway or tramway track construction material of iron or steel
Metal containers with a capacity greater than 300 liters (about 80 gallons), and metal containers for compressed or liquefied gas
Springs and miscellaneous fabricated wire products (except electrically insulated products, see 35994, and nails and staples, see 33310)
Articles of non-precious metal, n.e.c. (except backed or printed foil, see 324xx)
Machinery
Turbines, boilers, internal combustion engines, and other non-electric motors and engines
Internal combustion engines
Spark-ignition reciprocating internal-combustion engines for motor vehicles, of a cylinder capacity exceeding 1000 cc .......................................................... 34110

Other Internal-combustion piston engines (includes compression engines such as diesel and semi-diesel engines) .................................................. 34120

Parts of internal combustion piston engines (except pumps for liquids, see 34310; filters, see 34999; crankshafts and camshafts, see 34972; and bearings, see 3497x) .................................................. 34130

Turbines, boilers, nuclear reactors, and non-electric engines and motors except internal-combustion piston engines

Steam, other vapor, or hydraulic turbines .................................................. 34211
Turbo-jets, turbo-propellers, and other gas turbines, including for aircraft .................................................. 34212
Boilers, power or heating, and nuclear reactors .................................................. 34221
Non-electric engines and motors, n.e.c., including fluid power and missile and rocket reaction engines .................................................. 34222

Other mechanical machinery

Pumps for liquids and liquid elevators, including fluid power, vehicle, and service station pumps .................................................. 34310
Air or vacuum pumps and air or other gas compressors, (including compressors for refrigerating and air conditioning equipment) .................................................. 34320
Fans (including blowers) and ventilating or recycling hoods incorporating a fan .................................................. 34330
Air conditioning equipment (except compressors, see 34320, and evaporative air coolers, see 34999) .................................................. 34410
Household refrigerating or freezing equipment (except compressors, see 34320) .................................................. 34421
Commercial- or industrial-type refrigerating or freezing equipment (except compressors, see 34320) .................................................. 34422
Works trucks and tractors designed for lifting or for short distance transport of goods in factories, warehouses, docks, or airports (except trailers, see 36360) .................................................. 34511
Lifting, handling, loading, or unloading machinery, n.e.c. (excludes cranes for road use, see 36330) .................................................. 34519

Moving, grading, leveling, scraping, excavating, tamping, compacting, extracting, or boring machinery for earth, minerals, or ores, pile drivers and excavators, and snow ploughs and blowers (excludes motor vehicles for transporting goods, see 36220; tractors, see 36310; special purpose motor vehicles such as mobile drilling derricks, see 36330; parts for the vehicles listed above, see 3640x; powered hand tools, see 34950; and machinery for screening, mixing, etc. minerals, for drying, paving, etc., see 34999) .................................................. 34520
Dish-washing machines, machinery for cleaning or drying bottles or other containers, machinery for aerating beverages, and packing or wrapping machinery .................................................. 34910
Agricultural, horticultural, forestry, and poultry- or bee-keeping machinery (excludes powered hand tools, see 34950; tractors, see 36310; trailers and wagons, see 36360; and machinery for spraying or drying, see 34999) .................................................. 34920
Textile manufacturing machines; laundry machines, including dryers; and sewing machines .................................................. 34930
Machine-tools for working hard materials, including metal-working (excludes other machines for working hard materials, such as woodworking presses; machines for working with metal wire; and machines for use in metallurgy, in foundries, or in metal rolling mills, see 34999 and in semiconductor manufacturing) .................................................. 34940
Powered hand-tools, pneumatic, hydraulic, or with a self-contained electric or non-electric motor, including tools for lawn or construction use .................................................. 34950
Machines and apparatus for soldering, brazing or welding, for surface tempering, or for hot spraying of metals; and wire, rods, electrodes, and similar products for use with such machines and apparatus .................................................. 34960
Ball and roller bearings including mounted .................................................. 34971
Transmission shafts and cranks, clutches, bearing housings and plain shaft bearings, gears and gearing, ball and roller screws, gear boxes and other speed changers, flywheels and pulleys, and shaft couplings (excludes gearmotors, see 35110; and roller and similar chain, see 33999) .................................................. 34972
Machinery for making pulp, paper, or paperboard, including dryers and calendering machines .................................................. 34991
Electronic and Other Electrical Equipment and Components, and Office Equipment

- Electric motors, generators, generating sets, and rotary converters
- Electric or electronic transformers, static converters including rectifiers, and inductors
- Electric cooking appliances
- Electro-thermic or electro-mechanical domestic appliances such as vacuum cleaners, blenders, juicers, and can openers
- Line telephone and telegraph apparatus
- Electric cooking appliances
- Electronic entertainment products, including CD players, TVs, VCRs, speakers, video cameras, earphones, amplifiers, and radio broadcast receivers
- Office equipment including point-of-sale devices and word-processing machines
- Unrecorded media for audio, video, computer, or other use

Computer software

Pre-recorded media, n.e.c.

Transmission apparatus for radio or TV broadcasting; radio transmission and reception apparatus; radar apparatus; radio navigational-aid apparatus; and radio remote-control apparatus

Capacitors (including power), resistors, (including variable resistor switches), and thermionic, cold-cathode, or photo-cathode valves and tubes

Printed circuits

Diodes, transistors, and similar semiconductor devices, photosensitive semiconductor devices including photovoltaic cells, light-emitting diodes, mounted piezo-electric crystals, and chemical elements and components doped for use in electronics

Electronic integrated circuits and micro-assemblies including memory chips

Parts for goods in SCTGs 354xx and 358xx, including cabinets

Primary cells and primary batteries (includes alkaline, nickel-cadmium, and lithium batteries)

Secondary cells and storage batteries (includes motor vehicle batteries)

Apparatus for switching or protecting electrical circuits or for making connections to or in electrical circuits, and boards, panels, consoles, desks, cabinets, or similar bases equipped with these apparatus

Ignition or starting equipment used for spark-ignition or compression-ignition internal combustion engines; generators (including dynamos and alternators); cutouts used with internal combustion engines; and wiring sets used in vehicles, aircraft, or ships

Lighting or signaling equipment, windshield wipers, or defrosters, used for motor vehicles or bicycles

Book-binding, type-founding, type-setting, or printing machinery

Molding boxes for metal foundry, mold bases, molding patterns, and molds for metal carbides, glass, minerals, rubber, plastics, or metal (except ingot molds, see 34999)

Taps, cocks, valves, and similar appliances for pipes, boiler shells, tanks and vats, or the like, including those for use in plumbing

Semiconductor manufacturing machinery

Machinery, n.e.c.
Motorized and Other Vehicles (including parts)

Vehicles
Automobiles and vans for fewer than 10 people (excludes parts, see 364xx) 36101
Motor vehicles for fewer than 10 people, n.e.c. (excludes parts, see 364xx; snowmobiles, golf carts, and in-plant personnel carriers, see 36399; motorcycles, see 36351; and armored fighting vehicles, see 36391. This class does not contain any vehicle parts) 36109
Motor vehicles for transporting goods, (including vehicles used in construction, mining, or agriculture) 36210
Road tractors for semi-trailers (except parts, see 364xx) 36220
Tractors except road tractors and work tractors (includes farm, lawn-and-garden, and track-laying tractors, but does not include tractor parts, see 364xx, or tractors of 34511) 36310
Vehicles with a seating capacity of 10 or more persons (except parts, see 364xx) 36320
Special-purpose motor vehicles including mobile cranes, drilling dredgers, concrete mixers, and fire-fighting vehicles (except parts, see 364xx) 36330
Chassis fitted with engines, and separate bodies, for motor vehicles 36340
Motorcycles and mopeds, and their parts (including side cars) 36351
Bicycles and other cycles, and their parts 36359
Trailers and semi-trailers and parts, including camping trailers 36360
Armored fighting vehicles and their parts 36391

Transportation Equipment, N.E.C.

Railway equipment
Railway or tramway locomotives and self-propelled rolling-stock (excludes maintenance or service vehicles, see 37102) 37101
Railway or tramway maintenance or service vehicles (including self-propelled), and passenger coaches and freight cars (not self-propelled) 37102
Parts of locomotives and rolling stock (excludes engines, see 341xx; electric motors and generators, see 35110; pumps for liquids, see 34310; and lighting equipment, see 39030) 37103
Track fixtures and fittings and their parts, mechanical signaling, safety, or traffic-control equipment, and containers specially designed and equipped for carriage by one or more transport modes 37104

Aircraft and spacecraft
Aircraft, except parts 37210
Spacecraft including satellites and suborbital and spacecraft launch vehicles, except parts 37220
Parts of aircraft and spacecraft (except internal combustion engines, see 341xx; turbines, see 34212; other engines and motors, see 34222; tires, see 24310; pumps for liquids, see 34310; filters, see 34999; plastics, see 24229; glass, see 313xx; lighting equipment, see 39030; ignition and starting equipment, see 39091; windshield wipers and defrosters, see 35992; and seats, see 39029) 37230
Parachutes, rotochutes, aircraft-launching gear, deck-arresters, and flight simulators .................................. 37240

Ships, boats, and floating structures
Pleasure or sporting vessels, and rowing boats
(parts except for hulls should be classified according to what the article is) .................................................. 37310
Commercial ships and boats and other floating structures
(parts except for hulls should be classified according to what the article is) .................................................. 37320

Precision Instruments and Apparatus
Eyewear including contact lenses and other lenses, goggles, and frames ...................................................... 38101
Optical elements, instruments, and apparatus, n.e.c.
(except photographic, cinematographic, and photocopying equipment, see 38210 or 38220) ..................... 38109
Photographic (including cinematographic) cameras, image projectors, enlargers, reducers, and projection screens; negatoscopes, and apparatus and equipment for film developing
(excludes videocameras, see 35400) .................................................................................................................. 38210
Photocopying and thermocopying machines ................................................................................................. 38220
Navigational instruments and appliances
(except radar and radio navigational-aid apparatus, see 35700) .................................................................... 38310
Surveying, hydrographic, oceanographic, hydrological, meteorological, geophysical, drawing, mathematical calculating and length measuring hand instruments and appliances
(except radar apparatus, see 35700) .............................................................................................................. 38320
Apparatus based on the use of X-rays or alpha, beta, or gamma radiation ..................................................... 38410
Electro-medical equipment
(except pacemakers, see 38491) ...................................................................................................................... 38420
Orthopedic appliances; fracture appliances; artificial body parts; and appliances that are worn, carried, or implanted in the body to compensate for a medical condition .............................................. 38491
Surgical and medical instruments and apparatus ............................................................................................. 38492
Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes, n.e.c
(excludes furniture, see 39021; wheelchairs, see 40999; and wadding, bandages, etc., see 21000) ............. 38499
Instruments and apparatus for measuring or checking electrical quantities .................................................... 38510
Industrial process control instruments ........................................................................................................... 38520
Instruments and appliances for testing mechanical properties of materials .................................................. 38591
Instruments and appliances for measuring or detecting ionizing radiations ................................................ 38592
Gas or liquid supply or production meters ...................................................................................................... 38593
Other instruments and apparatus for measuring, checking, testing, or controlling, n.e.c .................................. 38599

Furniture, Mattresses and Mattress Supports, Lamps, Lighting Fittings, and Illuminated Signs
Mattresses and mattress supports
(except inflatable and waterbed mattresses of plastics, see 24229, or of rubber, see 24399) ....................... 39011
Household or office furniture, n.e.c., including kitchen cabinets
(except desk top furniture, which is classified by its material; and TV and stereo cabinets, see 35820) ........ 39019
Medical, surgical, dental, or veterinary furniture ............................................................................................ 39021
Furniture, n.e.c. ................................................................................................................................................ 39029
Lamps, lighting fittings, and illuminated signs or name plates
(except for motor vehicles, see 35992) ............................................................................................................. 39030

Miscellaneous Manufactured Products
Arms
(excludes swords, daggers, etc., see 33322) ...................................................................................................... 40110
Munitions and ammunition, including bombs, grenades, and missiles ......................................................... 40120
Toys and games and baby carriages, including coin-operated arcade games ................................................. 40210
Sporting equipment ........................................................................................................................................... 40220
Clocks and watches .......................................................................................................................................... 40910
Prefabricated buildings including tool or garden sheds .................................................................................. 40920
Writing or drawing instruments and inked ribbons and pads .......................................................................... 40930
Precious metal forms and shapes .................................................................................................................... 40941
Pearls, precious or semi-precious stones including unworked; articles of pearls, stones, or precious metals including jewelry, catalysts, anodes, and tableware; and coins ........................................................................ 40942
Costume jewelry .......................... 40991
Musical instruments .......................... 40992

Brooms, brushes, mechanical
floor-sweepers, mops, feather dusters and
paint pads or rollers, including brushes for
floor scrubbers, polishers and other
machines, appliances, or vehicles ................ 40993

Sewing and knitting needles
(including for machines), crochet hooks,
hook and eye fasteners, safety pins,
straight pins, buttons, buckles and clasps,
tubular and bifurcated rivets, snap-
fasteners, zippers, and similar notions ...... 40994

Works of art, collections, and antiques .... 40995
Miscellaneous manufactured
products, n.e.c. ............................. 40999

**Waste and Scrap**
_(except of agriculture or food,
see 041xx)_

Metal slag, ash, and residues .............. 41110
Other waste and scrap of ferrous metals .. 41120
Other waste and scrap of non-ferrous
metals, including precious metals ........... 41130
Sawdust and wood waste and scrap ...... 41210
Waste and scrap of paper or paperboard .. 41220
Waste and scrap of glass ................... 41291
Non-metallic waste and scrap, n.e.c. .... 41299

**Mixed Freight Shipments**

Items (including food) for grocery
and convenience stores ...................... 43991
Supplies and food for restaurants and
fast food chains ............................ 43992
Hardware or plumbing supplies .......... 43993
Office supplies .......................... 43994
Miscellaneous .......................... 43999