

Truck Commodity Data

Commodity Flows are presented using data originating from the Transearch planning tool, a data product of IHS Markit, and the Carload Waybill Sample, a data product provided by the Surface Transportation Board. Both sources use proprietary, confidential data that can be aggregated at various levels to understand the flow of commodities for planning purposes. The data presented in the Origin and Destinations Map, and in the Word Cloud graphics, are summarized at multiple points in data processing and therefore have limitations that should be kept in mind when interpreting. To best understand the information presented, the following methodology notes should be considered.

Geographic Summaries: O-D Maps

- **Data source:** Transearch
- **Years:** 2017, 2030, 2045
- **Processing:** The trip data provided in the Transearch and Waybill databases include origins and destinations for each trip using data at the county level or the level of Bureau of Economic Analysis (BEA) Economic Areas. When using the Virginia geographies (e.g., Planning District Commissions, Metropolitan Planning Organizations) to summarize data, trips were summarized by origin and destination county and each geography was considered separately. For example, the data presented for 2030 inbound commodity flows at the Construction District level is the same data presented for 2030 inbound commodity flows by MPO; only the lens in which to view the data has changed. Additionally, some counties belong to multiple Planning District Commissions. In these cases, the county-level data is assigned to multiple Planning District Commissions and the totals across districts do not equal the statewide totals. Commodities traveling within the same geography (i.e., produced and consumed within the same district) are not displayed.

Lastly, it is important to note that the visualization displays origins and destinations only, not the path of travel. For this reason, the total amount of commodities that travel through each geography will be much greater than the data presented. For example, much of the travel occurring on Virginia roads does not originate or end in Virginia. These commodities pass through the state on the way to other locations. While not presented in these visuals, the path of travel represents an important consideration for transportation planning and highlights Virginia's role plays in the national freight network.

The raw Transearch and Waybill data classify commodity type using the Standard Transportation Commodity Code (STCC). Commodity flows are assigned an STCC by the producing entity using a seven-digit numeric code. The Transearch and Waybill data include a simplified interpretation of the STCC (presenting four and sometimes up to five digits within the code). In total, Transearch references over 760 commodity types across 40 commodity groups. Presenting 760 commodities in a word cloud proved to be too visually dense so commodity codes are summarized here at the level of the 40 commodity groups. See Appendix A for a full list of the commodity codes assigned to each group.

In some instances, the largest inbound and outbound commodity flows appear to belong to the same commodity group even though one might expect to see opposing commodity types moving inbound and outbound as regions import products in short supply and export products in excess supply. With more granular data, this import and export relationship may be clearer. However, geographic and commodity-type granularity was lost during data processing through aggregation, which may obscure the expected patterns in some of the visualizations.

Rail Commodity Data

Rail commodity flows are presented using data originating from the Carload Waybill Sample, a data product provided by the Surface Transportation Board. Carload Waybill Sample uses proprietary, confidential data that can be aggregated at various levels to understand the flow of rail commodities for planning purposes. The data presented in the maps and graphics are summarized at multiple points during data processing and therefore have limitations that should be kept in mind when interpreting. To best understand the information presented, the following methodology notes should be considered.

Geographic Summaries: O-D Maps

- **Data source:** Surface Transportation Board
- **Years:** 2017, 2030, 2045
- **Processing:** The trip data provided in the Waybill database include origins and destinations for each trip using data at the county level or the level of Bureau of Economic Analysis (BEA) Economic Areas. To create the origin and destination maps, the Waybill data was filtered using these origins and destinations only. The visualization displays origins and destinations, not the *path* of travel.

When using the Virginia geographies (e.g., Planning District Commissions, Metropolitan Planning Organizations) to summarize data, trips were summarized by origin and destination county, and each geography was considered separately. For example, the data presented for inbound commodity flows at the Construction District level is the same data presented for inbound commodity flows by MPO; only the lens in which to view the data has changed. Additionally, some counties belong to multiple Planning District Commissions. In these cases, the county-level data is assigned to multiple Planning District Commissions and the totals across districts do not equal the statewide totals. Commodities traveling within the same geography (i.e., produced and consumed within the same district) are not displayed.

The Waybill data also record the commodities being transported in each trip. Waybill data classify commodity type using the Standard Transportation Commodity Code (STCC). Commodity flows are assigned an STCC by the producing entity using a seven-digit numeric code. The Waybill data include a simplified interpretation of the STCC (presenting four and sometimes up to five digits within the code). Commodity codes are summarized further at the level of the 40 commodity groups for a clearer word cloud presentation (see Appendix A).

Appendix A: Standard Transportation Commodity Codes (STCC)

Bold text indicates the commodity grouping used for presentation in the Word Cloud. Commodities names are listed as presented in the STCC and alterations are noted if presented differently in the Word Cloud.

1	Farm Products	13	Crude Petrol. Or Natural Gas
01 12	Cotton, raw	13 11	Crude Petroleum
01 13	Grain	13 12	Natural Gas
01 14	Oil Kernels, Nuts or Seeds	13 21	Natural Gasoline
01 15	Field Seeds		
01 19	Misc. Field Crops	14	Nonmetallic Minerals
01 21	Citrus Fruits	14 11	Dimension Stone, quarry
01 22	Deciduous Fruits	14 21	Broken Stone or Riprap
01 23	Tropical Fruits	14 41	Gravel Or Sand
01 29	Misc. Fresh Fruits or Tree Nuts	14 51	Clay Ceramic or Refracted Minerals
01 31	Bulbs, roots Or Tubers	14 71	Chemical Or Fertilizer Mineral Crude
01 33	Leafy Fresh Vegetables	14 91	Misc. Nonmetallic Minerals, NEC
01 34	Dry Ripe Vegetable Seeds	14 92	Water
01 39	Misc. Fresh Vegetables		
01 41	Livestock	19	Ordnance or Accessories (Presented as Guns and Ammunition)
01 42	Dairy Farm Products	19 11	Guns, howitzers, mortars, Etc.
01 43	Animal Fibers	19 25	Guided Missiles or Space Vehicle
01 51	Live Poultry	19 29	Ammo or Related Parts, NEC
01 52	Poultry Eggs	19 31	Tracked Combat Vehicle or Parts
01 91	Horticultural Specialties	19 41	Military Fire Control Equip
01 92	Animal Specialties	19 51	Small Arms, 30mm Or Less
01 99	Farm Prod, NEC	19 61	Small Arms Ammo, 30mm Or Less
		19 91	Misc. Ordnance or Accessories
8	Forest Products	20	Food or Kindred Products
08 42	Barks or Gums, crude	20 11	Meat, Fresh or Chilled
08 61	Misc. Forest Products	20 12	Meat, Fresh Frozen
9	Fresh Fish or Marine Products (Presented as Fish)	20 13	Meat Products
09 12	Fresh Fish or Whale Products	20 14	Animal By-prod, inedible
09 13	Marine Products	20 15	Dressed Poultry, Fresh
09 89	Fish Hatcheries	20 16	Dressed Poultry, Frozen
10	Metallic Ores	20 17	Processed Poultry or Eggs
10 11	Iron Ores	20 21	Creamery Butter
10 21	Copper Ores	20 23	Condensed, Evaporated Or Dry Milk
10 31	Lead Ores	20 24	Ice Cream or Related Frozen Desserts
10 32	Zinc Ores	20 25	Cheese or Special Dairy Products
10 33	Lead and Zinc Ores Combined	20 26	Processed Milk
10 41	Gold Ore	20 31	Canned or Cured Sea Foods
10 42	Silver Ore	20 32	Canned Specialties
10 51	Bauxite Or Other Alum Ores	20 33	Canned Fruits, vegetables, Etc.
10 61	Manganese Ores	20 34	Dehyd. Or Dried Fruit or Vegetables
10 71	Tungsten Ores	20 35	Pickled Fruits or Vegetables
10 81	Chromium Ores	20 36	Processed Fish Products
10 92	Misc. Metal Ores	20 37	Frozen Fruit, Vegetables or Juice
11	Coal	20 38	Frozen Specialties
11 11	Anthracite	20 39	Canned or Preserved Food, Mixed
11 21	Bituminous Coal	20 41	Flour Or Other Grain Mill Products
11 22	Lignite	20 42	Prepared or Canned Feed
		20 43	Cereal Preparations
		20 44	Milled Rice, Flour or Meal

20 45 Blended or Prepared Flour
20 46 Wet Corn Milling Or Milo
20 47 Dog, cat Or Other Pet Food, NEC
20 51 Bread Or Other Bakery Prod
20 52 Biscuits, Crackers or Pretzels
20 61 Sugar Mill Prod Or By-prod
20 62 Sugar, Refined, Cane Or Beet
20 71 Candy Or Other Confectionery
20 82 Malt Liquors
20 83 Malt
20 84 Wine, brandy Or Brandy Spirit
20 85 Distilled or Blended Liquors
20 86 Soft Drinks or Mineral Water
20 87 Misc. Flavoring Extracts
20 91 Cottonseed Oil Or By-prod
20 92 Soybean Oil or By-products
20 93 Nut or Vegetables Oils or By-products
20 94 Marine Fats or Oils
20 95 Roasted or Instant Coffee
20 96 Margarine, shortening, Etc.
20 97 Ice, Natural or Manufactured
20 98 Macaroni, spaghetti, Etc.
20 99 Misc. Food Preparations, NEC

21 Tobacco Products (Presented as Tobacco)

21 11 Cigarettes
21 21 Cigars
21 31 Chewing Or Smoking Tobacco
21 41 Stemmed or Re-dried Tobacco

22 Textile Mill Products (Presented as Textile)

22 11 Cotton Broad-woven Fabrics
22 17 Cotton Broad-woven Fabrics
22 21 Man-made or Glass Woven Fiber
22 22 Silk-woven Fabrics
22 31 Wool Broad-woven Fabrics
22 41 Narrow Fabrics
22 51 Knit Fabrics
22 71 Woven Carpets, mats Or Rugs
22 72 Tufted Carpets, rugs Or Mats
22 79 Carpets, mats Or Rugs, NEC
22 81 Yarn
22 84 Thread
22 91 Felt Goods
22 92 Lace Goods
22 93 Padding, upholstery Fill, Etc.
22 94 Textile Waste, Processed
22 95 Coated or Imprinted Fabric
22 96 Cord or Fabrics, industrial
22 97 Wool Or Mohair
22 98 Cordage Or Twine
22 99 Textile Goods, NEC

23 Apparel or Related Products (Presented as Apparel)

23 11 Men's Or Boys Clothing
23 31 Women's Or Children's Clothing
23 51 Millinery
23 52 Caps or Hats or Hat Bodies

23 71 Fur Goods
23 81 Gloves, mittens Or Linings
23 84 Robes or Dressing Gowns
23 85 Raincoats or Other Rain Wear
23 86 Leather Clothing
23 87 Apparel Belts
23 89 Apparel, NEC
23 91 Curtains or Draperies
23 92 Textile House furnishings
23 93 Textile Bags
23 94 Canvas Products
23 95 Textile Prod, pleated, Etc.
23 96 Apparel Findings
23 99 Misc. Fabricated Textile Products

24 Lumber or Wood Products (Presented as Lumber or Wood)

24 11 Primary Forest Materials
24 21 Lumber Or Dimension Stock
24 29 Misc. Sawmill or Planing Mill
24 31 Millwork Or Cabinetwork
24 32 Plywood Or Veneer
24 33 Prefab Wood Buildings
24 34 Kitchen Cabinets, wood
24 39 Structural Wood Prod, NEC
24 41 Wood Cont. Or Box Shooks
24 91 Treated Wood Products
24 92 Rattan Or Bamboo Ware
24 93 Lasts or Related Products
24 94 Cork Products
24 95 Hand Tool Handles
24 96 Scaffolding Equip or Ladders
24 97 Wooden Ware Or Flatware
24 98 Wood Prod, NEC
24 99 Misc. Wood Products

25 Furniture or Fixtures (Presented as Furniture)

25 11 Benches, chairs, Stools
25 12 Tables or Desks
25 13 Sofas, Couches, Etc.
25 14 Buffets, China Closets, Etc.
25 15 Bedsprings or Mattresses
25 16 Beds, dressers, chests, Etc.
25 17 Cabinets or Cases
25 18 Children's Furniture
25 19 Household Or Office Furniture, NEC
25 31 Public Building Or Related Furniture
25 41 Wood Lockers, partitions, Etc.
25 42 Metal Lockers, partitions, Etc.
25 91 Venetian Blinds, shades, Etc.
25 99 Furniture or Fixtures, NEC

26 Pulp, paper Or Allied Products (Presented as Paper)

26 11 Pulp Or Pulp Mill Products
26 21 Paper
26 31 Fiber, Paper or Pulp board
26 42 Envelopes

26 43 Paper Bags
26 44 Wallpaper
26 45 Die-cut Paper or Pulp board Products
26 46 Pressed or Molded Pulp Goods
26 47 Sanitary Paper Products
26 49 Misc. Converted Paper Products
26 51 Containers or Boxes, paper
26 54 Sanitary Food Containers
26 55 Fiber Cans, Drums or Tubes
26 61 Paper Or Building Board

27 Printed Matter (Presented as Printed Material)

27 11 Newspapers
27 21 Periodicals
27 31 Books
27 41 Misc. Printed Matter
27 61 Manifold Business Forms
27 71 Greeting Cards, Seals, Etc.
27 81 Blank book, Loose Leaf Binder
27 91 Svc Indus for Print Trades

28 Chemicals or Allied Products (Presented as Chemicals)

28 11 Industrial, Inorganic, Or Org Chemicals
28 12 Potassium Or Sodium Compound
28 13 Industrial Gases
28 14 Crude Prod of Coal, gas, petroleum
28 15 Cyclic Intermediates or Dyes
28 16 Inorganic Pigments
28 18 Misc. Industrial Organic Chemicals
28 19 Misc. Indus Inorganic Chemicals
28 21 Plastic Mater or Synthetic Fibers
28 31 Drugs
28 41 Soap Or Other Detergents
28 42 Specialty Cleaning Preparations
28 43 Surface Active Agents
28 44 Cosmetics, perfumes, Etc.
28 51 Paints, Lacquers, Etc.
28 61 Gum or Wood Chemicals
28 71 Fertilizers
28 79 Misc. Agricultural Chemicals
28 91 Adhesives
28 92 Explosives
28 93 Printing Ink
28 99 Chemical Preparations, NEC

29 Petroleum or Coal Products (Presented as Petro Or Coal Products)

29 11 Petroleum Refining Products
29 12 Liquefied Gases, coal Or Petroleum
29 51 Asphalt Paving Blocks or Mix
29 52 Asphalt Coatings or Felt
29 91 Misc. Coal or Petroleum Products

30 Rubber or Misc. Plastics (Presented as Rubber)

30 11 Tires or Inner Tubes
30 21 Rubber Or Plastic Footwear
30 31 Reclaimed Rubber

30 41 Rub or Plastic Hose or Belting
30 61 Misc. Fabricated Products
30 71 Misc. Plastic Products
30 72 Misc. Plastic Products

31 Leather or Leather Products (Presented as Leather Products)

31 11 Leather, finished Or Tanned
31 21 Industrial Leather Belting
31 31 Boot Or Shoe Cut Stock
31 41 Leather Footwear
31 42 Leather House Slippers
31 51 Leather Gloves or Mittens
31 61 Leather Luggage or Handbags
31 99 Leather Goods, NEC

32 Clay, concrete, glass Or Stone (Presented as Clay Concrete Stone or Glass)

32 11 Flat Glass
32 13 Laminated Safety Glass
32 21 Glass Containers
32 29 Misc. Glassware, blown Or Pressed
32 41 Portland Cement
32 51 Clay Brick or Tile
32 53 Ceramic Floor Or Wall Tile
32 55 Refractories
32 59 Misc. Structural Clay Products
32 61 Vitreous China Plumbing Fixtures
32 62 Vitreous China Kitchen Articles
32 64 Porcelain Electric Supplies
32 69 Misc. Pottery Products
32 71 Concrete Products
32 73 Ready-mix Concrete, Wet
32 74 Lime Or Lime Plaster
32 75 Gypsum Products
32 81 Cut Stone or Stone Products
32 91 Abrasive Products
32 92 Asbestos Products
32 93 Gaskets or Packing
32 95 Nonmetal Minerals, Processed
32 96 Mineral Wool
32 99 Misc. Nonmetallic Minerals

33 Primary Metal Products (Presented as Metal)

33 11 Blast Furnace Or Coke
33 12 Primary Iron or Steel Products
33 13 Electrometallurgical Products
33 15 Steel Wire, Nails or Spikes
33 16 Cold Finishing Of Steel Shapes
33 21 Iron or Steel Castings
33 31 Primary Copper Smelter Products
33 32 Primary Lead Smelter Products
33 33 Primary Zinc Smelter Products
33 34 Primary Aluminum Smelter Products
33 39 Misc. Prim Nonferrous Smelter Products
33 51 Copper Or Alloy Basic Shapes
33 52 Aluminum Or Alloy Basic Shapes
33 56 Misc. Nonferrous Basic Shapes

33 57 Nonferrous Wire
33 61 Aluminum Or Alloy Castings
33 62 Copper or Alloy Castings
33 69 Misc. Nonferrous Castings
33 91 Iron or Steel Forgings
33 92 Nonferrous Metal Forgings
33 99 Primary Metal Products, NEC

34 Fabricated Metal Products (Presented as Fabricated Metal)

34 11 Metal Cans
34 21 Cutlery, not Electrical
34 23 Edge Or Hand Tools
34 25 Hand Saws or Saw Blades
34 28 Builders or Cabinet Hardware
34 29 Misc. Hardware
34 31 Metal Sanitary Ware
34 32 Plumbing Fixtures
34 33 Heating Equip, not Electrical
34 41 Fabricated Structural Metal Products
34 42 Metal Doors, Sash, Etc.
34 43 Fabricated Plate Products
34 44 Sheet Metal Products
34 46 Architectural Metal Work
34 49 Misc. Metal Work
34 52 Bolts, Nuts, Screws, Etc.
34 61 Metal Stampings
34 81 Misc. Fabricated Wire Products
34 91 Metal Shipping Containers
34 92 Metal Safes or Vaults
34 93 Steel Springs
34 94 Valves or Pipe Fittings
34 99 Fabricated Metal Products, NEC

35 Machinery

35 11 Steam Engines, Turbines, Etc.
35 19 Misc. Internal Combustion Engines
35 22 Farm Machinery Or Equipment
35 23 Farm Machinery Or Equipment
35 24 Lawn Or Garden Equipment
35 31 Construction Machinery Or Equipment
35 32 Mining Machinery or Parts
35 33 Oil Field Machinery Or Equipment
35 34 Elevators or Escalators
35 35 Conveyors or Parts
35 36 Hoists, Industry Cranes, Etc.
35 37 Industrial Trucks, Etc.
35 41 Machine Tools, Metal Cutting
35 42 Machine Tools, Metal Forming
35 44 Special Dies, tools, jigs, Etc.
35 45 Machine Tool Accessories
35 48 Metalworking Machinery
35 51 Food Prod Machinery
35 52 Textile Machinery or Parts
35 53 Woodworking Machinery
35 54 Paper Industries Machinery
35 55 Printing Trades Machinery
35 59 Misc. Special Industry Mach

35 61 Industrial Pumps
35 62 Ball or Roller Bearings
35 64 Ventilating Equipment
35 66 Mech. Power Transmission Equipment
35 67 Industrial Process Furnaces
35 69 Misc. General Industrial
35 72 Typewriters or Parts
35 73 Electronic Data Processing Equipment
35 74 Accounting Or Calculating Equipment
35 76 Scales or Balances
35 79 Misc. Office Machines
35 81 Automatic Merchandising Machines
35 82 Commercial Laundry Equipment
35 85 Refrigeration Machinery
35 89 Misc. Service Industry Machinery
35 92 Carburetors, Pistons, Etc.
35 99 Misc. Machinery or Parts

36 Electrical Equipment

36 11 Electric Measuring Instruments
36 12 Electrical Transformers
36 13 Switchgear or Switchboards
36 21 Motors or Generators
36 22 Industrial Controls or Parts
36 23 Welding Apparatus
36 24 Carbon Prod for Electric Uses
36 29 Misc. Electrical Industrial Equipment
36 31 Household Cooking Equipment
36 32 Household Refrigerators
36 33 Household Laundry Equipment
36 34 Electric House wares Or Fans
36 35 Household Vacuum Cleaners
36 36 Sewing Machines or Parts
36 39 Misc. Household Appliances
36 41 Electric Lamps
36 42 Lighting Fixtures
36 43 Current Carrying Wiring Equipment
36 44 Non-current Wiring Devices
36 51 Radio Or TV Receiving Sets
36 52 Phonograph Records
36 61 Telephone Or Telegraph Equipment
36 62 Radio Or TV Transmitting Equipment
36 71 Electronic Tubes
36 74 Solid State Semi conducts
36 79 Misc. Electronic Components
36 91 Storage Batteries or Plates
36 92 Primary Batteries
36 93 X-ray Equipment
36 94 Electric Equip For Intern Comb Engine
36 99 Electrical Equipment, NEC

37 Transportation Equipment

37 11 Motor Vehicles
37 12 Passenger Motor Car Bodies
37 13 Motor Bus Or Truck Bodies
37 14 Motor Vehicle Parts or Accessories
37 15 Truck Trailers
37 21 Aircraft

37 22 Aircraft or Missile Engines
37 23 Aircraft Propellers or Parts
37 29 Misc. Aircraft Parts
37 32 Ships or Boats
37 41 Locomotives or Parts
37 42 Railroad Cars
37 51 Motorcycles, Bicycles or Parts
37 69 Missile Or Space Vehicle Parts
37 91 Trailer Coaches
37 99 Transportation Equipment, NEC

**38 Instruments, Photo Equipment, Optical Equip
(Presented as Photo or Optical Equipment)**

38 11 Engrg, Lab Or Scientific Equipment
38 21 Mechanical Measuring Or Control Equipment
38 22 Automatic Temperature Controls
38 31 Optical Instruments or Lenses
38 41 Surgical or Medical Instruments
38 42 Orthopedic or Prosthetic Supplies
38 43 Dental Equipment or Supplies
38 51 Ophthalmic or Opticians Goods
38 61 Photographic Equip or Supplies
38 71 Watches, Clocks, Etc.

39 Misc. Manufacturing Products

39 11 Jewelry, Precious Metal, Etc.
39 14 Silverware Or Plated Ware
39 31 Musical Instruments or Parts
39 41 Games or Toys
39 42 Dolls or Stuffed Toys
39 43 Children's Vehicle or Parts, NEC
39 49 Sporting Or Athletic Goods
39 51 Pens or Parts
39 52 Pencils, crayons, or Artists Materials
39 53 Marking Devices
39 55 Carbon Paper or Inked Ribbons
39 61 Costume Jewelry or Novelties
39 62 Feathers, Plumes, Etc.
39 63 Buttons
39 64 Apparel Fasteners
39 91 Brooms, Brushes, Etc.
39 92 Linoleum Or Other Coverings
39 93 Signs or Advertising Displays
39 94 Morticians Goods
39 96 Matches
39 97 Furs, dressed Or Dyed
39 99 Manufactured Prod, NEC

**40 Waste or Scrap Materials (Presented as Scrap
Metal)**

40 11 Ashes
40 21 Metal Scrap or Tailings
40 22 Textile Scrap or Sweepings
40 23 Wood Scrap Or Waste
40 24 Paper Waste Or Scrap
40 25 Chemical Or Petroleum Waste
40 26 Rubber Or Plastic Scrap
40 27 Stone, Clay or Glass Scrap

40 28 Leather Waste Or Scrap
40 29 Misc. Waste Or Scrap

**41 Misc. Freight Shipments (Presented as
Miscellaneous)**

41 11 Misc. Freight Shipments
41 21 Special Commodities
41 92 Special Commodities

42 Shipping Containers (Not Presented)

42 11 Shipping Containers
42 21 Semi-trailers Returned Empty
42 31 Empty Equipment, Reverse Route

43 Mail or Contract Traffic (Presented as Mail)

43 11 Mail And Express Traffic
43 21 Other Contract Traffic

44 Freight Forwarder Traffic (Not Presented)

44 11 Freight Forwarder Traffic

45 Shipper Association Traffic (Not Presented)

45 11 Shipper Association Traffic

**46 Misc. Mixed Shipments (Presented as Mixed
Shipments)**

46 11 FAK Shipments
46 21 Mixed Shipments, Multi-STCC

**47 Small Packaged Freight Shipments (Presented
as Small Packaged Goods)**

47 11 Small Packaged Freight Shipments

48 Waste Hazardous Materials

48 04 Waste Nonflammable Compressed Gases
48 05 Waste Flammable Compressed Gases
48 07 Waste Flammable Liquids
48 08 Waste Flammable Liquids
48 09 Waste Flammable Liquids
48 12 Flammable Liquids
48 13 Waste Combustible Liquids
48 14 Combustible Liquids
48 15 Waste Combustible Liquids
48 16 Waste Flammable Solids
48 17 Waste Flammable Solids
48 18 Waste Oxidizing Materials
48 21 Waste Poison B, Organic
48 23 Waste Poisonous Materials
48 25 Waste Etiologic Agents
48 29 Waste Radioactive Materials
48 31 Waste Corrosive Materials
48 32 Waste Corrosive Materials
48 35 Waste Corrosive Materials
48 36 Waste Corrosive Materials
48 45 Waste Other Regulated Materials, Group C
48 61 Waste Miscellaneous Hazardous Materials
48 62 Waste Misc. Hazardous Materials
48 63 Waste Miscellaneous Hazardous Materials

48 66 Waste Miscellaneous Hazardous Materials
48 70 Hazardous Waste, N.O.S.
48 75 Waste Stream Other Regulated

49 Hazardous Materials

49 01 Ammunition & Class A Explosives
49 02 Class B Explosives
49 03 Class C Explosives
49 04 Non Flammable Compressed Gases
49 05 Flammable Compressed Gases
49 06 Flammable Liquids
49 07 Flammable Liquids
49 08 Flammable Liquids
49 09 Flammable Liquids
49 12 Combustible Liquids
49 13 Combustible Liquids
49 14 Combustible Liquids
49 15 Combustible Liquids
49 16 Combustible Solids
49 17 Flammable Solids
49 18 Oxidizing Materials
49 19 Organic Peroxides
49 21 Poisons B, organic
49 23 Poisons B, inorganic
49 25 Irritating Materials - Etiologic Agents
49 26 Radioactive Materials
49 27 Radioactive Materials, Fissile Cl Iii
49 28 Radioactive Materials, Fissile Cl Ii
49 29 Radioactive Materials, Fissile Cl I
49 31 Corrosive Materials
49 32 Corrosive Materials
49 33 Corrosive Materials
49 34 Corrosive Materials
49 35 Corrosive Materials

50 Other Transearch (50 XX series codes are unique to Transearch) (Not Presented)

50 10 Warehouse & Distribution Center
50 21 Rail Intermodal Drayage to Ramp
50 22 Rail Intermodal Drayage from Ramp
50 31 Air Freight Drayage to Airport
50 32 Air Freight Drayage from Airport