



National Motor Freight Classification®

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PARTICIPATING MEMBER INTERSTATE CARRIERS

The following NMFTA member carriers are participants in or licensed to participate in this Classification for interstate, intrastate and foreign commerce under authority of powers of attorney issued to National Motor Freight Traffic Association, Inc., Agent or licenses issued by the National Motor Freight Traffic Association, Inc. The provisions of this Classification are limited to intrastate application within the states where the carrier is authorized to operate.

SCAC	CARRIER NAME and DOMICILE	U.S. DOT Number	MC Number
GWDB	▲Gateway Distribution, Gateway Distribution, LLC d/b/a, Cincinnati, OH	▲3395433	237379
⓪LMEL	LME, LME Inc. d/b/a, Roseville, MN	927043	400053
NPME	▲New Penn Motor Express, Inc., Overland Park, KS	10670	70832
TRWM	Triways, Inc., Ontario, CA	1001593	▲148390

PARTICIPATING MEMBER INTRASTATE CARRIERS

The following NMFTA member carriers are participants in or licensed to participate in this Classification for intrastate commerce under authority of powers of attorney issued to National Motor Freight Traffic Association, Inc., Agent or licenses issued by the National Motor Freight Traffic Association, Inc. The provisions of this Classification are limited to intrastate application within the states where the carrier is authorized to operate.

SCAC	CARRIER NAME and DOMICILE	U.S. DOT Number
RLTO	R & L Transport, Fresno, CA	▲2865603

PARTICIPATING BROKER LICENSEES

The following interstate brokers are licensed to participate in this Classification under authority of powers of attorney issued to National Motor Freight Traffic Association, Inc., Agent or licenses issued by the National Motor Freight Traffic Association, Inc. The participation of each broker named herein is limited, on interstate, intrastate and foreign commerce, to provisions of this Classification applying on the articles and commodities for which the broker is authorized to arrange transportation.

SCAC	BROKER NAME and DOMICILE	U.S. DOT Number	MC or FF Number
⊕★FINQ	Freightcost Inc, Bridgeview, IL	2637971	912491
⊕★IFBI	Integrity Freight Brokers, Inc., Monroe, NY	3336726	1064229

CUMULATIVE LIST OF ITEMS AND NUMBERED PACKAGES IN SUPPLEMENTS

Listed below are items and numbered packages that have been added, amended or brought forward in this supplement.

ITEM	SUP	ITEM	SUP	ITEM	SUP	ITEM	SUP	ITEM	SUP	ITEM	SUP
183-A	1	47830-A	1	72914-A	1	74880-A	1	★134711	1	★172462	1
680-A	1	47840-A	1	72916-A	1	74881-A	1	★134712	1	★172463	1
26580-A	1	49795-A	1	72917-A	1	81550-A	1	134780-A	1	★172470	1
34282-A	1	49797-A	1	72918-A	1	82270-A	1	134800-A	1	★183100	1
35040-A	1	49880-A	1	72930-A	1	82271-A	1	150970-A	1	★183120	1
35042-A	1	49881-A	1	72932-A	1	82500-A	1	150971-A	1	★183121	1
35043-A	1	49885-A	1	★72935	1	82501-A	1	153030-A	1	★183140	1
35044-A	1	49886-A	1	72950-A	1	100241-A	1	153032-A	1	★183141	1
★35085	1	50312-A	1	★72960	1	100244-A	1	153040-A	1	★183160	1
★35086	1	50313-A	1	★72961	1	100245-A	1	153042-A	1	★183161	1
★35087	1	★50314	1	★72970	1	100250-A	1	156960-A	1	★183170	1
39220-A	1	53020-A	1	73227-A	1	100251-A	1	158260-A	1	★183171	1
40085-A	1	★53021	1	73228-A	1	111655-A	1	158261-A	1	★195720	1
42604-A	1	56530-A	1	73229-A	1	114145-A	1	★158262	1	★195721	1
45463-A	1	★56545	1	73231-A	1	118100-A	1	★158263	1	196000-A	1
45464-A	1	56714-A	1	73232-A	1	★118101	1	★158264	1	196001-A	1
47760-A	1	57830-A	1	73233-A	1	134400-A	1	★158265	1	PACKAGE	SUP
47765-A	1	★57831	1	73235-A	1	134412-A	1	★158266	1		
47767-A	1	★57832	1	73236-A	1	134414-A	1	170650-A	1	107	1
47770-A	1	58320-A	1	73237-A	1	134472-A	1	170652-A	1	592	1
47776-A	1	58322-A	1	73238-A	1	134640-A	1	170653-A	1	757	1
47800-A	1	61840-A	1	★73570	1	134660-A	1	171880-A	1	2276	1
47802-A	1	72910-A	1	73960-A	1	134662-A	1	171884-A	1	2285	1
47810-A	1	72911-A	1	★73990	1	134680-A	1	★172460	1	153F	1
47820-A	1	72912-A	1	★74035	1	★134710	1	★172461	1		

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Article	Item	Article	Item	Article	Item
A		Concentrate(s):		Fish: (Cont'd)	
Aprons:		(A) Fruit cider, nonalcoholic, other than frozen 73570		(B) Smoked, in inner containers other than glass or metal 72930	
(A) Disposable, paper or nonwoven cloth 56545		(A) Fruit juice, other than frozen 73570		(A) Smoked, NOI 72960	
(B) Paper or nonwoven cloth, disposable 49795		(A) Vegetable juice, other than frozen 73570		(B) Smoked, NOI, in glass or metal inner containers 73227	
Articles:		Coolers:		Flakes:	
(B) Rubber scrap 171880		(B) Beer, other than hand portable 53020		(A) Bonito 72935	
(A) Rubber scrap, NOI 171880		(A) Draft beer dispensing, other than hand portable 53020		(A) Katsuobushi 72935	
B		(A) Coveralls, disposable, paper or nonwoven cloth 56545		Flour:	
(A) Bacon Bits, made from or with meat or poultry 134710		(B) Coveralls, paper or nonwoven cloth, disposable 49795		(B) Snuff 47820	
(B) Bath Cabinets, sauna or steam, portable 39220		Covers:		H	
(B) Baths:		(B) Shoe, disposable 56530		Hoods:	
(B) Foot, electric, portable 62030		(A) Shoe, disposable, paper or nonwoven cloth 56545		(A) Disposable, paper or nonwoven cloth 56545	
(B) NOI 158260		(A) Cream Substitutes, shelf-stable, including Nondairy Creamers or Plant-Based Cream Products, NOI ... 74035		(B) Disposable, paper or nonwoven cloth, with elastic bands or drawstrings 56530	
(B) Sauna or steam, portable 39220		(A) Creamers, nondairy, shelf-stable, NOI 74035		(A) Hookah Tobacco, cut or granulated. 183170	
(B) Shower, NOI 158260		Cream(s):		(A) Hot Tubs, NOI 158260	
(A) Baths, foot, electric, portable 62030		(A) Liquid, shelf-stable 74035		Humidifiers:	
(A) Baths, sauna or steam, portable 172470		(B) Sterilized 73227		(B) Hot air house heating furnace 26580	
(A) Bedding, animal 111655		D		(A) Whole house, automatic 26580	
Beverages:		(A) Dip, tobacco 183160		J	
(A) Fruit juice, other than frozen 73570		(A) Dipping Tobacco 183160		(C) Jerky 134710	
(B) Milk 73238, 73960		Drinks:		(A) Juicers, countertop, electric 61840	
(A) Milk, shelf-stable 74035		(A) Fruit juice, other than frozen 73570		(B) Juicers, household, electric 61840	
(A) Vegetable juice, other than frozen 73570		(A) Milk, shelf-stable 74035		Juice(s):	
Bits:		(A) Nutritional, flavored, NOI 72170		(B) Fruit, concentrated, other than frozen; for flavoring beverages, beverage syrups, candy, confectionery or ice cream 72910	
(A) Bacon, made from or with meat or poultry 134710		(A) Vegetable juice, other than frozen 73570		(A) Fruit, including Juice Concentrates, Juice Beverages or Juice Drinks, other than frozen 73570	
(A) Bonito Flakes 72935		(B) Drinks, nutritional, flavored, NOI 72170		(B) Fruit, NOI, other than frozen 73227	
Butter(s):		E		(B) Pimiento, other than frozen 73227	
(C) Nut or seed, including peanut 72285		Envelopes:		(B) Tomato, other than frozen 73227	
C		(B) Merchandise, NOI, fiberboard or paperboard, other than corrugated 153030		(B) Vegetable, concentrated, other than frozen; for flavoring beverages, beverage syrups, candy, confectionery or ice cream 72910	
Cabinets:		(B) Paper, NOI 153040		(A) Vegetable, including Juice Concentrates, Juice Beverages or Juice Drinks, other than frozen 73570	
(B) Bath, sauna or steam, portable 39220		(A) Paper or paperboard, NOI 153040		(B) Fruit, NOI, other than frozen 73227	
Caps:		(B) Seed, paper 153040		(B) Pimiento, other than frozen 73227	
(B) Disposable 56530		(A) Seed, paper or paperboard 153040		(B) Tomato, other than frozen 73227	
(A) Disposable, paper or nonwoven cloth 56545		Extractors:		(B) Vegetable, concentrated, other than frozen; for flavoring beverages, beverage syrups, candy, confectionery or ice cream 72910	
(A) Chew, tobacco 183160		(A) Juice, countertop, electric 61840		(A) Vegetable, including Juice Concentrates, Juice Beverages or Juice Drinks, other than frozen 73570	
(A) Chewing Tobacco 183160		(B) Juice, household, electric 61840		(B) Fruit, NOI, other than frozen 73227	
(A) Cider, fruit, including Cider Concentrates, nonalcoholic, other than frozen 73570		(B) Eyeglasses 57830		(B) Pimiento, other than frozen 73227	
(B) Cider, other than frozen 73227		(A) Eyeglasses, NOI 57830		(B) Tomato, other than frozen 73227	
Cigarettes:		F		(B) Vegetable, concentrated, other than frozen; for flavoring beverages, beverage syrups, candy, confectionery or ice cream 72910	
(C) Tobacco 183120		Fish:		(A) Vegetable, including Juice Concentrates, Juice Beverages or Juice Drinks, other than frozen 73570	
(B) Tobacco, unsalable 47765		(A) Cooked, NOI 72960		(B) Fruit, NOI, other than frozen 73227	
(A) Cigars or Cigarillos, tobacco 183120		(B) Cooked, NOI, in glass or metal inner containers 73227		(B) Pimiento, other than frozen 73227	
(B) Cigars, tobacco 47770		(B) Corned, in inner containers other than glass or metal 72930		(B) Tomato, other than frozen 73227	
Clothing:		(A) Dried or dry salted, flaked or shaved. 72935		(B) Vegetable, concentrated, other than frozen; for flavoring beverages, beverage syrups, candy, confectionery or ice cream 72910	
(A) Disposable, paper or nonwoven cloth, NOI 56545		(B) Dried or dry salted, in inner containers other than glass or metal 72930		(A) Vegetable, including Juice Concentrates, Juice Beverages or Juice Drinks, other than frozen 73570	
(B) Paper or nonwoven cloth, disposable, NOI 49795		(A) Dried or dry salted, NOI 72970		(B) Fruit, NOI, other than frozen 73227	
(A) Coats, laboratory, disposable, paper or nonwoven cloth 56545		(B) Dried or dry salted, NOI, in glass or metal inner containers 73227		K	
(B) Coats, laboratory, paper or nonwoven cloth, disposable 49795		(B) Pickled 72950		(A) Katsuobushi Flakes 72935	
Compound(s):		(A) Pickled, NOI 72960		(A) Kegerators, other than hand portable 53020	
(B) Water cleaning or treating, bath, pool, spa or hot tub 50312		(B) Pickled, NOI, in glass or metal inner containers 73227		Kits:	
(A) Water cleaning or treating, bath, pool, spa or hot tub, not required by DOT to bear a Hazard Class or Hazard Division label 50312		(A) Preserved, NOI 72960		(B) Cigarette making 47800	
		(B) Preserved, NOI, in glass or metal inner containers 73227		(A) Cigarette making, NOI 183140	
		L		L	
		(B) Leggings, disposable 56530		(B) Leggings, disposable, paper or nonwoven cloth 56545	
		(A) Leggings, disposable, paper or nonwoven cloth 56545		Linens:	
		M		(A) Bathtub 158260	
		(A) Meat Snacks 134710		(A) Shower 158260	
		(A) Meat Tenderizers, liquid 75245		(A) Litter, animal 111655	
				(B) Litter, animal or poultry 111655	

Only participants in the NMFC at the time the transportation occurs may use the provisions herein.
For explanation of abbreviations and reference marks, see last page of this Supplement. ©NMFTA 2020

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Article	Item	Article	Item	Article	Item
®Water Treating Compounds, bath, pool, spa or hot tub.....	50312	®Water Treating Compounds, bath, pool, spa or hot tub, not required by DOT to bear a Hazard Class or Hazard Division label	50312		

RULES

ITEM 183-A

CCSB-REGISTERED THIRD PARTY PACKAGE TESTING LABORATORIES

The package testing laboratories named below are registered with the Commodity Classification Standards Board and are qualified to conduct the performance test procedures detailed in Items 180 and 181. For the most up-to-date list of registered labs, please refer to the CCSB's website, www.nmfta.org.

Laboratory	Location	Contact	Phone Number
Advanced Packaging Technology Laboratories, Inc.	Wheeling, IL	Anthony White	847.520.4343
★ANAMA Package & Container Testing Services, Inc.	Mamaroneck, NY	Anton Cotaj	914.899.3300
★Bureau Veritas Consumer Products Services Vietnam	Ho Chi Minh City, Vietnam	Ryan Nguyen	84.966.357953
China Packaging Research & Test Center	Tianjin, China	Wang Qing	86.22.66237185
FedEx Services Packaging Lab	Collierville, TN	Tyler Kenney	901.850.3597
★Intertek Testing Service Shenzhen Limited, Guangzhou Branch	Guangzhou, Guangdong, China	Bo Wang	86.20.82139764
★Intertek Testing Services Shenzhen Ltd.	Shenzhen, Guangdong, China	Michael Zhang	86.755.2602.0286
Outlook Technical Services Vietnam Ltd.	Vietnam	Christine Nguyen	84.774.356.503
Packaging Corporation of America	Mundelein, IL	Brandon Hink	847.388.6034
Performance Testing Laboratories, LLC	Santa Ana, CA	Mary Beth Proctor	714.957.9300
Pro-Pack Testing Laboratory, Inc.	Belleville, IL	Manuel Rosa, Jr.	618.277.1160
★Sealed Air	Charlotte, NC	Sarah Tanguay	201.270.6678
★SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch	Guangdong Province, China	Heather Meng	86.757.2280.5851
Signode/Multi-Wall Packaging	Danville, VA	Rob Reynolds	434.836.7802
★UPS Customer Solutions - Package Design and Test Lab	Addison, IL	Jason Twu	630.628.3703
Virginia Tech - Center for Packaging and Unit Load Design	Blacksburg, VA	Laszlo Horvath	540.231.7673
★WestRock	Carol Stream, IL	James Rivera	630.384.5237

ITEM 680-A

PACKING OR PACKAGING—GENERAL

General

Sec. 1. (a) The separate descriptions of articles provide the minimum, acceptable packaging requirements, see Note 1. Numbered packages or other packaging provisions (other than 'DOT Specification Number' packages, for which, see DOT's hazardous materials regulations) are authorized for use only when item descriptions contain reference thereto. The definitions of or specifications for packaging requirements are provided in: (1) Items 200 through 299, (2) numbered packages and (3) Note references. The minimum requirements notwithstanding, articles must be tendered for shipment in such a manner as to withstand the normal rigors of the less-than-truckload environment. Whether or not part of the specific requirements, protective packing forms or other packaging materials must be used where necessary to afford adequate protection against damage to the articles being shipped. Articles or articles and necessary interior packing forms must reasonably occupy the full cubic capacity of the outer shipping container, see Notes 2(a), 3 and 4. Articles unitized or secured on lift truck skids, pallets or platforms must reasonably occupy the full surface area of the lift truck skid, pallet or platform, see Note 2(b) and (c).

Note 1—The term 'packaging requirements' as used in this Classification or in tariffs governed thereby means the provisions which specify: (1) the kinds or specifications of the containers, packages or other manner in which the articles shall be packed or protected for shipment, and (2) how the articles shall be packed or protected by or within such containers, packages or other manner.

Note 2—

(a) Reasonable Occupancy of Shipping Container. Unless otherwise provided, commodities in shipping containers (not containers within containers) shall be deemed to be in compliance when filled to not less than 65 percent of the capacity of such containers. When filled to less than 65 percent of capacity, the gross weight of the container and its contents will be subject to the class applicable to either the container or its contents, whichever is higher.

(b) Reasonable Occupancy of Lift Truck Skid, Pallet or Platform Deck. Unless otherwise provided, and except as permitted in paragraph (c), commodities unitized or secured on lift truck skids, pallets or platforms shall be deemed to be in compliance when occupying not less than 65 percent of the full surface area (deck) of the lift truck skid, pallet or platform. The surface area occupied shall be determined by multiplying the greatest straight-line dimensions of length and width of the commodity(ies). Banding, strapping, wrapping or other materials used for securement to the lift truck skid, pallet or platform will not be considered in the determination of occupancy. When less than 65 percent of the surface area of the lift truck skid, pallet or platform is occupied, the gross weight of the lift truck skid, pallet or platform and the commodity(ies) unitized or secured thereon will be subject to the class applicable to either the lift truck skid, pallet or platform or the commodity(ies), whichever is higher.

Any part of the commodity(ies) shipped that may overhang the lift truck skid, pallet or platform will not be used in determining occupancy of the surface area, but will be used in the computation of density. (See Item 110, Sec. 8-8(d).)

(Continued on following page)

RULES

ITEM 680-A-Continued

(c) **Maximum Allowable Dimensions of Lift Truck Skids, Pallets or Platforms for 'Potentially Unstable Commodities.'** For the purpose of this rule, commodities having an overall height 1.5 times or more their shortest base dimension shall be considered potentially unstable. For such commodities, the lift truck skid, pallet or platform may be of sufficient size to provide adequate stability. The maximum allowable dimensions of the lift truck skid, pallet or platform are determined using the following formulas.

The **Maximum Allowable Length** is the larger result of the following calculations:

$$\text{Maximum Allowable Length (in)} = \text{Commodity's(ies') Height (in)} \times 0.67$$

OR

$$\text{Maximum Allowable Length (in)} = \text{Commodity's(ies') Length (in)} + 12 \text{ (in)}$$

The **Maximum Allowable Width** is the larger result of the following calculations:

$$\text{Maximum Allowable Width (in)} = \text{Commodity's(ies') Height (in)} \times 0.67$$

OR

$$\text{Maximum Allowable Width (in)} = \text{Commodity's(ies') Width (in)} + 12 \text{ (in)}$$

If the lift truck skid, pallet or platform exceeds the maximum allowable length or width, as calculated above, the gross weight of the handling unit will be subject to the class applicable to either the lift truck skid, pallet or platform or the commodity(ies) being shipped, whichever is higher.

Note 3—Unless otherwise provided, reels, spools or flanged cores used as shipping containers which are not filled to equal or exceed their weight with a product, will be charged for at the class applicable to the empty spool, reel or flanged core. Reels, spools or flanged cores filled with a product equal to or exceeding the weight of the reel, spool or flanged core will be charged for at the class applicable to the commodity wrapped or wound thereon.

Where the net weight of the product is less than the tare or empty weight of the container, the lower charges applicable to the product may be assessed by declaring, at time of shipment, an increased weight for the shipment equal to two times the tare weight of the reel, spool or flanged core. In such instances, the shipper must declare the following on the bill of lading: (1) the tare or empty weight of each reel, spool or flanged core; (2) the actual gross weight of each shipping container with product as tendered for shipment; and (3) the resultant declared gross weight.

Note 4—Unless otherwise provided and unless subject to classes based on density, liquid, powdered or granular commodities or materials packaged in rigid or semirigid primary containers in an authorized outer shipping container must occupy at least 65 percent of the primary container's cubic capacity. When filled to less than 65 percent of the primary container's cubic capacity, the gross weight of the commodity as packaged for shipment will be subject to the class applicable to either the primary container or its contents, whichever is higher. Does not apply when primary inner containers are in intermediate inner containers and then placed in an outer shipping container.

Sec. 1. (b) Unless otherwise provided for in the separate descriptions of articles, where classes are provided for 'loose' or 'in bulk,' such classes will also apply on the same articles when in packages; or if no packing or form of acceptance is mentioned, the classes will also apply on the same articles when loose or in packages. See also Secs. 5(a) and (b).

Carrier's Option to Accept or Refuse

Sec. 2. Except as provided in Item 423, whether or not the authorized minimum packing requirements are observed, outer (shipping) containers or packages, inner containers, interior protection devices, method of packing within containers or packages, or other form of shipment authorized must be made of materials of such strength or be of such nature as to afford a reasonable and proper protection of lading and to protect against damage to other freight or equipment, and carriers may for good reason refuse to accept freight the transportation of which, in their judgment, would not be reasonably safe and practicable and so notify the shipper.

Liquids, or Commodities that will Expand, Liquefy or Vaporize

Sec. 3. Liquids, or commodities that will expand, liquefy or vaporize under any conditions during transportation must be secured in containers that will prevent leakage from such containers.

Recoopering

Sec. 4. Provided that the shipper is notified beforehand, the carrier shall have the right to perform necessary recoopering at owner's or shipper's expense except when necessitated by carrier's negligence.

Definitions of the Terms 'In Packages' and 'Loose'

Sec. 5. (a) When the term 'in packages' is provided in connection with the separate descriptions of articles, such articles will be accepted for transportation in any container or in any other form tendered to carrier which will permit handling into or out of vehicles as units, provided such containers or tendered forms will render the transportation of freight reasonably safe and practicable so that it will withstand the normal rigors of the less-than-truckload environment. The term 'in packages' includes articles securely fastened to lift truck skids, pallets or platforms, or unitized quantities, but does not include articles 'in bulk,' 'loose,' 'on skids' or articles racked or braced in vehicles.

Sec. 5. (b) The term 'loose' is defined as freight that is not packaged, not unitized, not on skids and not securely fastened to lift truck skids, pallets or platforms. When the term 'loose' is provided in connection with the separate descriptions of articles or where no packing or form of acceptance is specified, articles may be tendered loose for transportation only when the transportation of the articles is reasonably safe and practicable so that it will withstand the normal rigors of the less-than-truckload environment. Where necessary to afford adequate protection against damage, articles must be packaged or otherwise protected by packing forms or other packaging materials.

▲Outer Containers (Packages) versus Inner Containers (Packages)

☐ **Sec. 6. (a)** Outer containers are the shipping packages specified in individual item descriptions. Unless otherwise provided, the classes shown in connection therewith apply whether or not the contents are in inner containers.

☐ **Sec. 6. (b)** Inner containers are packages that contain or hold the article(s) being shipped and are packed within an outer container (shipping package).

▲Sec. 6. (c) Unless otherwise provided in individual item descriptions, classes shown for articles in glass inner containers will also apply on the same articles in earthenware or molded plastic inner containers.

▲Sec. 6. (d) Where in individual items classes are provided for articles in metal inner containers, such classes apply only on articles in inner containers constructed of metal and having rigid, self-supporting sides.

(Continued on following page)

RULES

ITEM 680-A-Continued

Articles Secured to Skids or to Lift Truck Skids, Pallets or Platforms, or Bundled Together

Sec. 7. (a) Articles in packages or shipping forms, as authorized in individual item descriptions, will be accepted when secured on skids meeting the requirements of Item 270. When articles are authorized to move 'on skids' within individual item descriptions, skids must meet the requirements of Item 270.

Sec. 7. (b)

(1) Except as required in Paragraph (2), articles in packages or shipping forms, as authorized in individual item descriptions, will be accepted when unitized or secured on lift truck skids, pallets or platforms meeting the requirements of Item 265. Unless otherwise provided, when in the specifications of numbered packages or in individual item descriptions articles are required to move on lift truck skids, pallets or platforms, such skids, pallets or platforms must meet the requirements of Item 265. Except where required by the applicable provisions, it is recommended that articles unitized or secured on lift truck skids, pallets or platforms not overhang the skid, pallet or platform deck.

(2) Articles in bags complying with the construction requirements for such containers, as authorized in individual item descriptions, will be accepted when unitized on lift truck skids, pallets or platforms meeting the requirements of Item 265, provided the bottom tiers of bags are placed within a fiberboard tray, with or without a separate fiberboard sleeve, on the lift truck skid, pallet or platform deck. Depth of the tray or tray and sleeve, as the case may be, must extend at least 20 inches from the lift truck skid, pallet or platform deck. Bags, tray and, where present, sleeve must not overhang the deck, and the entire handling unit must be secured together with plastic film and with strapping in opposing directions, at least two straps in each direction. Fiberboard protectors or a barrier sheet of fiberboard, heavy-duty Kraft paper or similar material must be used to prevent direct contact between straps and bags. See Note 5.

Note 5—These requirements do not apply on articles in flexible intermediate bulk containers (FIBCs), including bulk bags.

Sec. 7. (c) Articles in fiberboard boxes complying with the construction requirements for such containers, as authorized in individual item descriptions, will be accepted when unitized into bundles with stretch or heat-shrinkable plastic film, or the strapping materials named in Item 680, ☐ Sec. 9. Materials used to bundle containers must be of sufficient number and strength to maintain the integrity of the unit during transportation.

Packing—Mixed Shipments

Sec. 8. Unless otherwise provided in the separate description of articles, the package specifications, conditions and all other requirements governing articles in straight shipments apply on the same articles when in mixed shipments.

Strapping or Taping of Articles or Packages

☐ **Sec. 9. (a)** Unless otherwise provided, where the use of rope, wire or metal bands or straps is specifically authorized or required, or where an article must be 'strapped,' metal, plastic or synthetic fiber strapping, or adhesive tape, may be used provided such strapping or tape is of sufficient strength so as to withstand the normal rigors of the less-than-truckload environment.

☐ **Sec. 9. (b)** Unless otherwise provided, article(s) or package(s) may be secured to lift truck skids, pallets or platforms with metal, plastic or synthetic fiber strapping of sufficient strength so as to withstand the normal rigors of the less-than-truckload environment. Strapping must be placed in opposing directions, with at least two straps in each direction. Additional strapping is required on handling units exceeding 48 inches in length or width. Contact points that may be damaged by strapping must be protected by packing forms or other packaging materials.

Definition of 'Wrapped'

Sec. 10. (a) When in the separate description of articles the word 'wrapped' is referred to as a form of exterior packaging, such articles must be enclosed or enfolded within packaging material which completely covers the article. Such wrappers must be securely fastened. This method of packaging must render the transportation of freight reasonably safe and practicable so that it will withstand the normal rigors of the less-than-truckload environment.

Sec. 10. (b) Except as provided elsewhere in this Classification, when plastic film wrap is used, the film strength should afford sufficient protection to the freight. The plastic film must be wrapped so as to adequately secure the freight together and to the lift truck skid, pallet or platform, when present.

In order to test the sufficiency of plastic film wrap, performance tests may be conducted. To simulate fork truck handling, test according to ASTM D880, Test Method for Impact Testing for Shipping Containers and Systems; D4003, Methods of Programmable Horizontal Impact Test for Shipping Containers and Systems; D6055, Test Methods for Mechanical Handling of Unitized Loads and Large Shipping Cases and Crates; or D6179, Test Methods for Rough Handling of Unitized Loads and Large Shipping Cases and Crates. For guidance on the intensities and durations for these procedures, refer to Section 10.3.2 of Schedule A – Handling – Manual and Mechanical of ASTM D4169, Standard Practice for Performance Testing of Shipping Containers and Systems. To test for resistance to impact of the plastic wrap on shipping packages, use ASTM D6344, Standard Test Method for Concentrated Impacts to Transport Packages.

Substitution of Fiberboard Boxes for Packages, Bales, Bundles or Wrapped

Sec. 11. When in the separate description of articles the terms 'in packages,' 'in bales,' 'in bundles,' or 'wrapped' are referred to as a form of exterior packaging, such articles may be enclosed in corrugated fiberboard boxes. When the corrugated boxes used do not meet the requirements of Item 222, they must not bear a box manufacturer's certificate as provided for in Item 222-1.

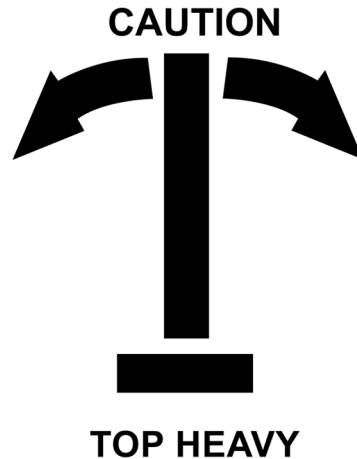
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RULES

ITEM 680-A-Continued

Top-Heavy Articles

Sec. 12. Articles as tendered for shipment weighing 200 pounds or greater and greater than 48 inches in height which exhibit a high center of gravity in their normal orientation of loading for in-transit movement must be placarded on two opposite sides conspicuously displaying the following symbol as a precautionary warning:



Top-heavy articles are those having a center of gravity higher than $\frac{1}{2}$ their standing height and having a height of two times or greater of the shorter base dimensions, as packaged.

Environmental or Event Monitors, Indicators or Recorders

Sec. 13. (a) Environmental or event monitors, indicators or recorders are devices that can be placed on or within a package, handling unit or vehicle to monitor the shipping and storage environment. These devices are intended to detect if an event has occurred or an environmental threshold has been surpassed for many types of shipping conditions such as, but not restricted to, shock/impact, vibration, tilting, temperature, humidity, atmospheric pressure or exposure to light.

Sec. 13. (b) The reliability of environmental or event monitors, indicators or recorders is not always certain. Consequently, these devices might not constitute sufficient evidence of mishandling of the freight.

Articles or Containers with Wheels or Casters

Sec. 14. Articles that are tendered for shipment with wheels or casters attached, or in containers with wheels or casters attached, must be equipped with locking or retracting devices or be packaged in such a manner as to prevent movement during transportation. When tendered on lift truck skids, pallets or platforms, articles or containers with wheels or casters attached must be secured to prevent any shifting during transportation and to prevent wheels or casters from falling through the lift truck skid, pallet or platform deck.

Where Damage to the Shipping Package Will Result in a Claim

Sec. 15. Unless otherwise provided in individual descriptions of articles, when damage to the shipping package, including cosmetic damage, will result in a claim for loss or damage, such package(s) must be overpacked or otherwise protected by packaging materials sufficient to prevent damage to the package(s). See also Item 222-1, Note 6.

Freight Requiring Protection from Rust or Corrosion, or from Freezing of Internal Liquids

Sec. 16. (a) Articles liable to damage by rust or corrosion must be coated with rust- or corrosion-preventative compounds or preparations, or be protected by rust- or corrosion-prevention packaging.

Sec. 16. (b) Machinery or vehicles, including aircraft, automobiles or boats, containing water or other liquid subject to freezing must be drained or have such water or liquid adequately protected by suitable antifreeze compounds or preparations.

ITEM	ARTICLE	CLASS
◆26580-A	BOILERS, FURNACES, STOVES AND RELATED ARTICLES GROUP: subject to item 25400 Humidifiers , whole house, automatic, in boxes.....	150
△34282-A	BUILDING MATERIALS, MISCELLANEOUS, GROUP: subject to item 33570 NOTE—Also applies on accompanying hardware, angles, bars, castings, chain, cable, guides, hoods, pipe, rollers, springs, motors, sprockets, track, hinges, sheaves, brackets, handles, locks, hangers, rails, hooks, pulleys, rods or other fittings when in same package with the doors, door sections, grilles, partitions or shutters, or, when in shipments of 36,000 pounds or more, separate packages.	
35040-A	Panels , folding door, wall or partition, or Interior Partitions , see Note, item 35043, or Walls ; constructed with metal or wood frames and rigid facings, etc. ◆□...Cancel; see item 35085.	
35042-A	NOTE—▲...Cancel; see item 35086.	
35043-A	NOTE—▲...Cancel; see item 35087.	
35044-A	NOTE—▲...Cancel; see item 35087.	
◆□★35085	Partitions or Walls , interior, or Panels therefor , with or without integral doors, constructed with metal or wood frames and rigid facings, see Notes, items 34282, 35086 and 35087, in boxes or crates: Greatest dimension exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10	150
Sub 2	10 but less than 15	92.5
Sub 3	15 or greater	77.5
Sub 4	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 5	Less than 10	125
Sub 6	10 but less than 15	85
Sub 7	15 or greater	70
★35086	NOTE—Cores (all space within frames and between facings) must be of cellular or solid construction or consist of insulating materials. Rigid facings may be of any material or combination of materials.	
★35087	NOTE—Does not apply on: (1) Freestanding panels, partitions or screens. For applicable provisions, see item 82270. (2) Cooling or freezing room panels or walls. For applicable provisions, see items 53025 and 53180.	
39220-A	CABINETS, OR PARTS NAMED: subject to item 39200 Bath , sauna or steam (Sauna or Steam Baths), portable, etc. ♠◆...Cancel; see item 172470.	
◆□40085-A	CANDY GROUP: subject to item 39900 Marshmallows , NOI, in boxes or Package 2390, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 7	175
Sub 2	7 or greater	100
△42604-A	CHEMICALS GROUP: subject to item 42600 NOTE— 1. Materials regulated by the U.S. Department of Transportation that are required to bear any of the Hazard Class 6 or Hazard Division 6.1 labels listed below are subject to the provisions of item 45615, regardless of the DOT-designated Hazard Class or Hazard Division. (a) 'INHALATION HAZARD' (b) 'POISON' (c) 'TOXIC' (d) 'PG III' 2. Materials classed in the U.S. Department of Transportation regulations as a gas that is poisonous by inhalation or that is required to bear a 2.3 'INHALATION HAZARD' label under such regulations are not subject to the provisions of this grouping. Such materials are subject to the provisions of item 85900.	
♠45463-A	⊗ Organic Peroxides , NOI, other than toxic, see Notes, items 42604 and 45464, in U.S. DOT-authorized packaging: Requiring temperature control per U.S. DOT regulations	200
Sub 1	Not requiring temperature control per U.S. DOT regulations:	
Sub 2	Type B	200
Sub 3	Type C	125
Sub 4	Type D	110
Sub 5	Type E	100
Sub 6	Type F	92.5
Sub 7	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 5, Division 5.2, Organic Peroxide, as defined in 49 CFR §173.128 and required to bear a notice to that effect on bills of lading and packaging.	
△45464-A	CIGARETTES AND CIGARS GROUP , etc. ▲...Cancel; see item 183100.	
47760-A	Cigarettes , tobacco, unsalable, with paper wrappers, etc. ◆□...Cancel; see item 183120.	
47765-A	NOTE—▲...Cancel; no further application.	
47767-A	Cigarettes , tobacco, see Note, item 47776, in boxes or Package 1109, or Cigars , tobacco, etc. ◆□...Cancel; see item 183120.	
47770-A	NOTE—▲...Cancel; see item 183121.	
47776-A	Kits , cigarette making, NOI, etc. ▲□...Cancel; see item 183140.	
47800-A	NOTE—▲...Cancel; see item 183141.	
47802-A	Snuff , etc. ◆□...Cancel; see item 183160.	
47810-A	Snuff Flour , etc. ♠◆□...Cancel; see item 183160.	
47820-A	Tobacco , manufactured, chewing or smoking, including Pipe Tobacco , cut or granulated, etc. ♠◆□...Cancel; see items 183160 and 183170.	
47830-A	Tobacco , manufactured, plug or twist, not cut nor granulated, etc. ◆...Cancel; see item 183160.	
47840-A		





ITEM	ARTICLE	CLASS
	CLOTHING GROUP: subject to item 49790	
49795-A	Aprons, Coveralls, Laboratory Coats, Pants, Shirts or Clothing , NOI, disposable, produced from paper or nonwoven cloth, with or without reinforcement of mesh, yarn, strand or plastic film, etc. ♦...Cancel; see item 56545.	
49797-A	NOTE—▲...Cancel; no further application.	
△49880-A	Clothing , see Notes, items 49881 and 49885, viz.: Clothing, Garments or Apparel , NOI; Coats, Jackets or Outerwear , NOI; Costumes , masquerade or theatrical, including mascot or entertainment character, see Note, item 49886; Pants, Slacks, Trousers or Shorts , NOI; Shirts or Blouses , NOI; Skirts or Dresses , NOI; Sleepwear , NOI; Undergarments or Underwear , NOI; Waders , trouser or overall type, including Chest Waders , with or without integral boots or shoes; In boxes or Packages 1401 or 2265, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
△49881-A	NOTE—Also applies on complement of hangers in the same package.	
49885-A	NOTE—Applies on clothing whether new or used but does not apply on: Disposable clothing produced from paper or nonwoven cloth, with or without reinforcement of other materials, see items ▲56545 and 56710; Fur or animal hide clothing or clothing lined with fur or animal hide, see items 49825 and 49830; or Worn-out clothing having value only for conversion into fiber or for reclamation of raw materials, see item 196200.	
△49886-A	NOTE—Also applies on costumes with masks or other accessories in the same package, or when formed or molded into the shape of figures or images.	
◆□50312-A	Compounds , water cleaning or treating, bath, pool, spa or hot tub, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Notes, items 50313 and 50314, in boxes, drums or pails	65
△50313-A	NOTE—Applies only on algaecidal, bactericidal, corrosion-inhibiting, fungicidal or particle-dispersing compounds for baths, pools, spas or hot tubs. One plastic dispenser may be included in each container of material. The weight of the dispenser must not exceed five percent of the gross weight of the container.	
★50314	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
	COOLERS GROUP: subject to item 53000	
◆53020-A	Coolers , draft beer dispensing (Kegeators), see Note, item 53021, other than hand portable, with or without mechanical cooling or freezing apparatus, drainboards or faucets (taps), in boxes, crates or Package 2457	175
★53021	NOTE—Applies on coolers that dispense beer or other beverages from kegs.	
	DENTAL, HOSPITAL OR MEDICAL SUPPLY GROUP: subject to item 56400	
56530-A	Caps, Hoods, Leggings or Shoe Covers , disposable, equipped with elastic bands or drawstrings, produced from paper or nonwoven cloth, with or without reinforcement of mesh, yarn, strand or plastic film, etc. ♦...Cancel; see item 56545.	
◆♦★56545	Clothing , disposable, paper or nonwoven cloth, with or without reinforcement of other materials, see Note, item 56714, viz.: Aprons; Caps or Hoods; Clothing , NOI; Coveralls; Laboratory Coats; Leggings or Pants; Shirts; Shoe Covers; In boxes	150
△56714-A	NOTE—Applies only on products for surgical, clinical, laboratory, industrial or hospital use, whether sterile or not sterile.	
	DRAWING INSTRUMENTS, OPTICAL GOODS OR SCIENTIFIC INSTRUMENTS: subject to item 57670	
◆♦□57830-A	Eyeglasses, Spectacles or Sunglasses , NOI, see Note, item 57831, in boxes or Package 2235, see Note, item 57832, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6	200
Sub 2	6 or greater	125
★57831	NOTE—Also applies on eyeglasses, spectacles or sunglasses without temple bars, such as 'clip-on' or magnetic-type glasses.	
★57832	NOTE—Also applies when articles are shipped in or on point-of-purchase display racks or stands, in boxes, or in boxes that serve as point-of-purchase display racks or stands.	

ITEM	ARTICLE	CLASS
	DRAWING INSTRUMENTS, OPTICAL GOODS OR SCIENTIFIC INSTRUMENTS: subject to item 57670	
58320-A	Sunglasses , with other than vision-corrective lenses, etc. ♦♦...Cancel; see item 57830.	
58322-A	NOTE—▲...Cancel; see item 57831.	
	ELECTRICAL EQUIPMENT GROUP: subject to item 60500	
♦♦61840-A	Extractors , juice (Juicers), countertop, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 7	175
Sub 2	7 or greater	100
	FOODSTUFFS GROUP: subject to item 72000	
72910-A	Extracts , NOI; Flavoring Compounds , NOI; Imitation Flavors , NOI; or Bottlers' Flavoring Compounds , NOI, see Note, item 72917; liquid, paste or dry, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, ♦see Notes, items 72911, 72914 and 72916; ▲in boxes or drums; or dry, in bulk in paper-lined cloth bags or four-ply multiple-wall paper bags, or in Packages 1000, 2358 or 2440	70
△72911-A	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
72912-A	NOTE—▲...Cancel; see item 73570.	
△72914-A	NOTE—Inner containers may include plastic or metal molds, or paper, plastic or wooden sticks not in excess of 5 percent of gross weight of package.	
△72916-A	NOTE—There may be included in each package a quantity of sodium salts not in excess of 5 percent of the gross weight of the package.	
△72917-A	NOTE—There may be included in each shipment of Bottlers' Flavoring Compounds a quantity of phosphoric acid solution, alcohol solution, or a combination of both, not in excess of 15 percent of the total shipment weight.	
72918-A	NOTE—▲...Cancel; no further application.	
72930-A	Fish , corned, dried, dry salted or smoked, etc. ♦...Cancel; see items 72935, 72960 and 72970.	
72932-A	NOTE—▲...Cancel; see item 72961.	
♦★72935	Fish , dried or dry salted, flaked or shaved, including Katsuobushi or Bonito Flakes , in boxes	250
72950-A	Fish , pickled, etc. ▲...Cancel; see item 72960.	
♦★72960	Fish or Shellfish , cooked, pickled, preserved or smoked, NOI, see Note, item 72961, in boxes, drums or Packages 2463 or 2498.....	65
★72961	NOTE—Does not apply on fresh fish smoked for flavoring only.	
♦★72970	Fish or Shellfish , dried or dry salted, NOI, in boxes, drums or Packages 2463 or 2498.....	70
♦♦73227-A	Foodstuffs , other than frozen, Group I, viz.: Bread, Rolls or Cake , other than fruitcake, in metal cans in boxes; Cider Syrup (Boiled Cider); Cocktail Mix , liquid, nonalcoholic, other than beverages, see Note, item 73237; Compounds , food coating (Prebreeding Mix), milk and egg combined, dry; Extender , milk powder, blended, see Note, item 73229, also in bags; Fish Roe , other than caviar; cooked, pickled or preserved; Fruit , canned or preserved, NOI, other than dried or dehydrated or other than in alcoholic liquor, also in Packages 1000, 1264 or 2288; Fruit Butter or Pulp , also in Packages 1000, 1264 or 2288; Fruit or Fruit Peel , drained, or Citrus Fruit Peel , in brine, in glass or metal containers in boxes or crates, also in Package 1264; Honey , NOI, also in Package 2478; Ingredients , dinner, NOI, see Note, item 73228, also in Packages 128, 510, 1000, 2421, 2425 or 2507; Jams, Jellies or Preserves , edible, NOI, also in Packages 1000, 1264, 2288 or 2507; Mincemeat; Molasses , NOI, or Syrup , not medicated, NOI, see Note, item 73232; Pickles , NOI, see Note, item 73233, also in Packages 579 or 2467; Pizza Pie Mix , consisting of flour, sauce and yeast, with or without other ingredients; Puddings; Rice , cleaned, whole or broken, also in double bags, five-ply multiple-wall paper bags or Packages 2231 or 2382; Salads , fish, macaroni, meat or vegetable, in glass or metal containers in boxes, also in Package 2303; Sauces or Toppings , ice cream or dessert, NOI, including Marshmallow Creme; or Nuts (Nutmeats) in syrup or liquor, not pickled; in other than pressurized inner containers; also in Package 2288; Soups , including Broths or Chowders , other than dry, also in Packages 1000 or 1500, see Note, item 73236; Syrup , brewers' malt yeast; Syrup , flavoring or fruit, also in Packages 1000, 2035, 2288, 2402 or 2467; Vegetables , canned or preserved, NOI, other than dried or evaporated, see Note, item 73235, also in Packages 1000, 1264, 2288, 2303, 2438 or 2508; Vinegar , also in Package 2332; In boxes, crates, drums or Packages 1361, 2463, 2498, 2499 or 2500.....	60
△73228-A	NOTE—Applies only on mixtures of dry ingredients, cooked or not cooked; or on dry ingredients, cooked or not cooked, and ingredients other than dry in separate inner containers from the dry ingredients.	
△73229-A	NOTE—Applies on mixtures of dried whey, wheat flour, soya protein concentrate and nonfat dried milk powder.	
73231-A	NOTE—▲...Cancel; no further application.	
△73232-A	NOTE—When in friction top cans or pails in boxes, the cans or pails must fit tightly within the box.	
△73233-A	NOTE—Applies on nuts or vegetables, NOI, pickled in brine or vinegar, and on fruits, NOI, pickled in vinegar.	

ITEM	ARTICLE	CLASS
▲73235-A	FOODSTUFFS GROUP: subject to item 72000 NOTE—Also applies on: Hominy; Mush; Mushrooms , other than truffles; Oats; Olives; Paste , tomato; Pimientos; Pork and Beans; Potatoes and Cheese , in sauce; Pulp , tomato; Puree , tomato; Rice; Scrapple; Tomatoes; Wheat.	
△73236-A	NOTE—When commodities are hot packed, Package 1500 may be modified to include trays of 150-pound-test when flange height is two inches and the heat shrinkable film is of 3-mil thickness. Film enclosure of completed package may have end openings.	
△73237-A	NOTE—Applies on compounds designed as a base or flavoring for alcoholic mixed drinks.	
▲□73238-A	Foodstuffs , other than frozen, Group II, viz.: Compounds , malt or milk and chocolate or cocoa, beverage preparation; Kernels or Seeds , sunflower, cooked or roasted, salted or not salted; Oil , cooking or salad, NOI, also in Packages 2330, 2393 or 2401; Vegetable Oil Shortening , liquid, semisolid or plastic, also in Packages 275, 1000, 2257, 2288, 2330 or 2415; Welsh Rarebit; In boxes, crates, drums or Package 2499.....	65
★73570	Juice , fruit or vegetable, including Juice Concentrates, Juice Beverages or Juice Drinks; or Cider , fruit, including Cider Concentrates , nonalcoholic; in boxes, drums, pails or Packages 1000, 1264, 1500, 2288, 2332, 2400, 2437, 2438, 2463, 2467, 2498, 2499, 2500 or 2515	60
73960-A	Milk Beverage , chocolate flavored, liquid, etc. ▲□...Cancel; see item 74035.	
★73990	Milk , condensed or evaporated, liquid, with or without vegetable fats, in boxes, drums or Packages 1000, 2463, 2498, 2499 or 2500	55
◆□74035	Milk or Cream Products , shelf-stable, viz.: Milk or Cream , liquid, including Milk Beverages or Milk Drinks; Milk or Cream Substitutes , including Nondairy Creamers or Plant-Based Milk or Cream Products , NOI; In boxes, drums or Packages 2332, 2463, 2498, 2499 or 2500	65
74880-A	Sticks or Strips , meat, NOI, cooked, cured, dried, dry salted, smoked or preserved, with or without other ingredients, etc. ★◆□...Cancel; see item 134710.	
74881-A	NOTE—▲...Cancel; see item 134711.	
	FURNITURE GROUP: subject to item 79000 Metallic or Wooden: subject to item 79600	
81550-A	Screens , floor, NOI, etc. ★◆□...Cancel; see item 82270.	
82270-A	Metallic or Wooden Furniture , NOI, ★◆□including Freestanding Panels, Partitions or Screens , in Packages 1F, 2F, 3F, 5F, 19F, 21F, 22F, 25F, 40F, 138F, 150F or 151F, see Note, item 82271, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
△82271-A	NOTE—Aluminum furniture will be accepted in packages authorized for shipment of same articles made of steel or wood. Store or Office: subject to item 82300	
82500-A	Panels, Partitions or Screens , free-standing, metal, wood or metal and wood combined, etc. ★◆□...Cancel; see item 82270.	
82501-A	NOTE—▲...Cancel; no further application.	
	HOUSEHOLD GOODS GROUP: subject to item 100200	
△100241-A	NOTE—Provisions for household goods, personal effects or military baggage apply only on second-hand (used) household or personal effects such as clothing, personal property, furniture or furnishings for residence with not to exceed one piano. There may also be included not to exceed one second-hand (used) motor vehicle. Provisions do not apply on articles of extraordinary value, nor on goods shipped for sale or speculation.	
△100244-A	NOTE—Household goods, personal effects or military baggage susceptible to breakage or having surfaces liable to damage must be protected by packing materials necessary to afford adequate protection against breakage or damage.	

ITEM	ARTICLE	CLASS
	HOUSEHOLD GOODS GROUP: subject to item 100200	
△100245-A	NOTE—The following departures from packing requirements are permitted: 1. Carpets or rugs may be shipped in wrapped bundles or rolls. 2. Mattresses or upholstered box springs may be shipped wrapped in fiberboard, plastic film or quilted pads. 3. Refrigerators may be shipped wrapped in fiberboard and skidded, or wrapped in quilted pads.	
100250-A	Household Goods, Personal Effects or Military Baggage , see Note, item 100241, moving under the U.S. Department of Defense Personal Property Program, ▲subject to Full Replacement Value (FRV) coverage, see Note, item 100251, in boxes or crates, see Notes, items 100244 and 100245.....	0
▲100251-A	NOTE—Pursuant to 10 USC Chapter 157, §2636a, enacted by Congress on November 26, 2003, as amended by the Department of Defense Authorizations Act for Fiscal Year 2007, Transportation Service Providers (TSPs) are required to provide FRV coverage to all customers of the U.S. Department of Defense Personal Property Program. FRV is defined as the greater of: (1) \$7,500 per shipment; or (2) \$6.00 times the net weight of the household goods shipped or \$6.00 times the gross weight of the unaccompanied baggage shipped, in pounds, not to exceed \$75,000.	
◆111655-A	Litter or Bedding , animal, in bags or boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 8.....	175
Sub 2	8 but less than 15.....	92.5
Sub 3	15 but less than 30.....	70
Sub 4	30 or greater.....	55
	MACHINERY GROUP: subject to item 114000	
◆◆114145-A	Air Humidifiers , NOI, with blowers or fans: In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6.....	200
Sub 2	6 but less than 10.....	125
Sub 3	10 or greater.....	85
Sub 4	In packages other than boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 5	Less than 6.....	250
Sub 6	6 but less than 10.....	150
Sub 7	10 or greater.....	92.5
◆◆118100-A	Compressors , air, NOI; or Air Ends , NOI; with or without air tanks, hose or nozzles; mounted on trailers or wheeled or other than mounted on trailers or wheeled: In boxes or crates, see Note, item 118101, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 8.....	175
Sub 2	8 but less than 12.....	100
Sub 3	12 or greater.....	70
Sub 4	In packages other than boxes or crates, see Note, item 118101, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 5	Less than 8.....	200
Sub 6	8 but less than 12.....	110
Sub 7	12 or greater.....	77.5
◆118101	NOTE—Articles must be protected by packing forms or other packaging materials necessary to afford adequate protection against damage.	
134400-A	MEATS OR SHORTENING GROUP: Articles consist of Meats ▲or Poultry, cooked, cured, fresh or preserved; Lard; Rendered Pork Fats, see Note, item 134472; Shortening; or Dressed Poultry; see Notes, items 134412 and 134414, as described in items subject to this grouping.	
△134412-A	NOTE—Shipments of products herein described will not be accepted unless they conform to the applicable U.S. Department of Agriculture regulations governing the inspection and transportation of such products, and required certifications must be furnished to carrier.	
▲134414-A	NOTE—Does not apply on meats or poultry that have been prepared by a freeze-dehydration or freeze-drying method. For applicable provisions, see item 76850.	
△134472-A	NOTE—Does not apply on bacon or pork rinds or skins, or on fat with skin attached prepared as snack foods and packaged in individual retail units; for classes, see item 74800.	
134640-A	Meats , cooked, NOI, other than frozen, etc. ◆...Cancel; see item 134710.	
134660-A	Meats , cured, NOI, dried, dry salted or smoked, other than frozen, etc. ◆...Cancel; see item 134710.	
134662-A	NOTE—▲...Cancel; no further application.	
134680-A	Meats , cured, NOI, other than frozen, pickled, etc. ◆...Cancel; see item 134710.	
◆◆134710	Meats or Poultry , cooked, cured, dried, dry salted, pickled, smoked or preserved, with or without other ingredients, NOI, other than frozen, see Notes, items 134711 and 134712, in bags, boxes, drums, pails or Packages 1400, 1500, 2463 or 2498, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 8.....	150
Sub 2	8 but less than 12.....	100
Sub 3	12 or greater.....	70
★134711	NOTE—Also applies on meat or poultry sticks or strips such as Jerky , Sausage Sticks or other types of Meat or Poultry Snacks , including Pemmican .	
★134712	NOTE—Also applies on Bacon Bits made from or with meat or poultry.	
134780-A	Sausage , cooked, cured or preserved, NOI, other than frozen, etc. ◆...Cancel; see item 134710.	
134800-A	Sausage , cooked, cured or preserved, pickled or in brine, other than frozen, etc. ◆...Cancel; see item 134710.	
	PAPER: subject to item 150600	
◆150970-A	Filter Stock , see Note, item 150971, in boxes or wrapped rolls, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 8.....	150
Sub 2	8 or greater.....	92.5
▲150971-A	NOTE—Does not apply on filters or other finished products. Applies only on paper, as from the mill, used to make filters.	

ITEM	ARTICLE	CLASS
	PAPER ARTICLES GROUP: subject to item 152000	
153030-A	Envelopes , merchandise, NOI, fiberboard or paperboard, other than corrugated, combined or not combined with cellulose or plastic film or metal foil, etc. ♦...Cancel; see item 153040.	
153032-A	NOTE—▲...Cancel; no further application.	
◆□153040-A	Envelopes , NOI, including Seed Envelopes or Packets , paper or paperboard, with or without components of other materials, with or without attached receipts or forms, see Note, item 153042, in boxes	77.5
△153042-A	NOTE—Does not apply on envelopes having exchange value, premium value or redeemable value. Classes for such envelopes are provided in item 161850, naming 'Printed Matter, paper or paperboard, having exchange value.'	
	PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500	
◆156960-A	Netting , in tubular form, collapsed, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 8	175
Sub 2	8 but less than 12	100
Sub 3	12 or greater	70
	PLUMBERS' GOODS GROUP: subject to item 158000	
◆◆□158260-A	Bathtubs, Showers, Shower Stalls, Hot Tubs or Spas , NOI, see Notes, items 158262 and 158263:	
Sub 1	In boxes or crates, see Notes, items 158264, 158265 and 158266, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 4	300
Sub 3	4 but less than 8	175
Sub 4	8 or greater	100
Sub 5	In packages other than as set forth in sub 1, see Notes, items 158265 and 158266, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 4	400
Sub 7	4 but less than 8	200
Sub 8	8 or greater	110
158261-A	NOTE—□...Cancel; see item 158264.	
★158262	NOTE—Also applies on Bathtub or Shower Liners, Surrounds or Walls .	
★158263	NOTE—Does not apply on KD or SU wooden hot tubs. For applicable provisions, see items 100160 and 181010, respectively.	
□★158264	NOTE—Articles may also be packaged as follows: 1. Plastic bathtubs or spas not exceeding 190 united inches may be shipped in Package 2489. 2. Plastic bathtubs equipped with wall sections, or plastic shower stalls, may be shipped in Packages 2182 or 2266. 3. Plastic bathtubs without wall sections may be shipped in Package 2263. 4. Enameled steel bathtubs may be shipped in Packages 94 or 2217. 5. Steel shower stalls tendered KD flat may be shipped in Packages 2215 or 2472.	
□★158265	NOTE—Articles must be protected by packing forms or other packaging materials necessary to afford adequate protection against damage.	
□★158266	NOTE—Articles tendered for shipment on lift truck skids, pallets or platforms or on shipping carriers or racks must be securely fastened to and must not overhang the edges of the lift truck skid, pallet or platform deck or shipping carrier or rack. Exposed surfaces and edges must be completely wrapped with plastic film or corrugated fiberboard or protected by wood or similar material.	
170650-A	Rooms , dry heat bathing (Sauna), or dry heat bathing (Sauna) combined with shower, steam or sun bathing, etc. ♦♦...Cancel; see item 172460.	
170652-A	NOTE—▲...Cancel; see item 172462.	
170653-A	NOTE—▲...Cancel; see item 172461.	
	RUBBER MATERIALS GROUP: subject to item 171600	
△171880-A	◆ Rubber , scrap, NOI, see Note, item 171884, in packages	50
171884-A	NOTE—Applies only on: scraps, pieces or trimmings of rubber-impregnated cloth; reclaimers' tailings or residue; old worn-out rubber boots, shoes, belting, clothing, rolls or rollers, hose, mats, matting or packing; or similar worn-out articles; having value only for reclamation of raw materials. Such articles must be described on bills of lading and shipping orders at time of shipment as 'Scrap Rubber.' ▲Does not apply on fragments, scraps or pieces of rubber tires; see item 195720 for applicable provisions. Also does not apply on rubber tires in their original form or shape; for applicable provisions, see item 157226, 157227, 157230 or 157238, with final determination of item dependent on the type of tire.	
◆◆★172460	Sauna or Steam Rooms , combined or not combined with showers, see Notes, item 172461, 172462 and 172463, in boxes or crates	150
★172461	NOTE—Applies only on shipments consisting of wall, floor and roof sections sufficient to construct a room.	
★172462	NOTE—Also applies on accompanying accessorial equipment such as heaters, blowers or fans, benches, control panels, electronic components, heat or sun lamps, lighting or plumbing fixtures, steam generators or other articles necessary for assembly or use.	
★172463	NOTE—Does not apply on sauna or steam baths or showers equipped with bathtubs, hot tubs or spas. For applicable provisions, see item 158260.	
◆◆★172470	Saunas or Steam Baths , portable, in boxes or crates	175
★183100	TOBACCO, MANUFACTURED, GROUP: Articles consist of Manufactured Tobacco, including Cigarettes, Cigars, Chew, Dip or Snuff, as described in items subject to this grouping.	
◆□★183120	Cigarettes, Cigars or Cigarillos , in boxes or Packages 795 or 1109, see Note, item 183121, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6	200
Sub 2	6 but less than 10	110
Sub 3	10 or greater	85
★183121	NOTE—Also applies when inner containers consist of ornamental boxes.	

ITEM	ARTICLE	CLASS
▲  ★183140 ★183141	TOBACCO, MANUFACTURED, GROUP: subject to item 183100 Kits , cigarette making, NOI, see Note, item 183141, in boxes..... NOTE—Applies only on kits consisting of tobacco; cigarette paper or collapsed paper cigarette tubes; filters; and fiberboard boxes, KD flat; with or without cigarette making machines.	100
◆  ★183160	Tobacco , smokeless, including Chewing Tobacco (Chew), Dipping Tobacco (Dip), Snuff, Plug or Twist , see Notes, items 183161 and 183171, in boxes or Package 1109, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 12.....	100
Sub 2	12 or greater.....	77.5
★183161	NOTE—Also applies on Imitation Tobacco or tobacco mixed with other ingredients.	
◆★183170	Tobacco , smoking, including Hookah, Shisha or Pipe Tobacco , cut or granulated, see Note, item 183171, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 7.....	175
Sub 2	7 but less than 9.....	125
Sub 3	9 or greater.....	92.5
★183171	NOTE—Also applies on flavored tobacco.	
◆  ★195720 ★195721	WASTE MATERIALS GROUP: subject to item 194200 Scrap , rubber tire, other than tires in their original form or shape, see Note, item 195721, in boxes..... NOTE—Applies only on fragments, scraps or pieces of rubber tires and does not apply on tires in their original form or shape. Rubber tires in their original form or shape are classed per item 157226, 157227, 157230 or 157238, with final determination of item dependent on the type of tire.	77.5
196000-A	Tires , rubber, scrap, having value only for reclamation of raw materials, actual value not exceeding \$1.00 per pound, etc. ◆  ...Cancel; see item 195720.	
196001-A	NOTE—▲...Cancel; no further application.	

SPECIFICATIONS FOR NUMBERED PACKAGES

Package 107**SHIPPING CONTAINER:**

Box—Regular slotted container (RSC) of 275 pound test or basis weight of 111 pounds and a minimum edge crush test (ECT) of not less than 44 pounds per inch width corrugated fiberboard or regular slotted top and 4-inch bottom flaps (see Note). When short flap box is used, a 275 pound test or a minimum edge crush test (ECT) of not less than 44 pounds per inch width corrugated fiberboard base pad is required. One top flap of either style box may be scored and partially folded to provide a double-thickness lifting flange secured to outer side of box with tape ☐ of sufficient strength.

INTERIOR FORMS:

A clearance of 1 inch must be maintained at top, bottom and sides between article and inner walls of container by:

1. Corner forms of expanded plastic having a density of not less than $1\frac{3}{4}$ pounds per cubic foot positioned on all corners, **OR**
 2. Expanded plastic forms as described above, positioned at the bottom corners only with scored and folded corrugated fiberboard corner posts resting on the pads and extending upward to the top of the container. Top clearance is maintained by an expanded plastic or folded corrugated pad, **OR**

3. Corrugated fiberboard full-height sheet testing 200 pounds or a minimum edge crush test (ECT) of not less than 32 pounds per inch width for singlewall and 42 pounds per inch width for doublewall, scored and folded to provide corner post forms placed at sides of article. Top and bottom clearance must be provided by forms or pads of expanded polystyrene having a density of 1.5 pounds per cubic foot or full-width corrugated.

Closure—Top and bottom flaps must be securely closed.

GROSS WEIGHT: Not to exceed 275 pounds.

UNITED INCHES: Not to exceed 130 united inches.

Note—Dishwashing Machines (Dishwashers) weighing not more than 145 pounds gross weight may be packed in containers testing 250 pounds with combined weight of facings not less than 111 pounds per 1,000 square feet or a minimum edge crush test (ECT) of not less than 40 pounds per inch width. Dishwashing Machines (Dishwashers) weighing not more than 120 pounds gross weight may be packed in containers testing 200 pounds with combined weight of facings not less than 84 pounds per 1,000 square feet or a minimum edge crush test (ECT) of not less than 32 pounds per inch width.

Package 592

☐ Cancel; no further application.

Package 757

☐ Cancel; no further application.

Package 2276

☐ Cancel; no further application.

Package 2285

☐ Cancel; no further application.

Package 153F

☐ Cancel; no further application.

EXPLANATION OF ABBREVIATIONS AND REFERENCE MARKS

Abbreviation or Reference Mark	Explanation	Abbreviation or Reference Mark	Explanation
ASTM	ASTM International	Sec.	Section
Avdp.	Avoidupois	sq.	square
°C	degree Centigrade (Celsius)	sq. ft.	square foot; square feet
CFR	Code of Federal Regulations	sq. in.	square inch(es)
cm	centimeter(s)	STB	Surface Transportation Board
COD	Collect on Delivery	SU	Set Up
Cont'd	Continued	t/a	trading as
cu	cubic	t/d/b/a	trading and doing business as
cu. ft.	cubic foot; cubic feet	™	Trademark
DOT	Department of Transportation	UN	United Nations
d/b/a	doing business as	U.S.	United States
etc.	et cetera (and other things, or the rest; and so forth)	USC	United States Code
°F	degree Fahrenheit	viz.	namely
g	gram	vol.	volume
gal	gallon(s)	vs.	versus
in.	inch(es)	&	and
incl.	inclusive	°	degree
ISTA	International Safe Transit Association	%	percent
KD	Knocked Down	§	Section
kg	kilogram	☼	Indicates commodity or commodities may be subject to special federal regulations concerning the shipping of hazardous materials. See Item (Rule) 540 herein.
kPa	Kilopascal	♂	Indicates reduction
L	liter	◆	Indicates increase
lbs.	pounds	▲	Indicates change in wording which results in neither an increase nor reduction
m	meter(s)	☐	Indicates change in packaging
ml	milliliter(s)	⚠	Indicates that the item is being brought forward without change
mm	millimeter(s)	★	Indicates new item, package or participating carrier
MPa	Megapascal	Ⓐ	Addition to Index to Articles
NMFC	National Motor Freight Classification	Ⓑ	Eliminate from Index to Articles
NMFTA	National Motor Freight Traffic Association, Inc.	Ⓒ	Change in Index to Articles
NOI	Not more specifically described herein	Ⓔ	These provisions are subject to the expiration date as shown in Item (Rule) 535.
o/a	operating as	①	The participation of this carrier is CANCELED; provisions of this Classification no longer apply for account of this carrier.
oz.	ounce(s)	Ⓟ	Under postponement
pcf	pounds per cubic foot	®	Registered trade name or registered trademark
psi	pounds per square inch	⊕	Effective March 26, 2020, under authority of 49 CFR §1312.6(b)(3).
qt.	quart	●	Indicates correction of printing error
RSorL	Classed the same or lower		
r.p.m.	revolutions per minute		
SCAC	Standard Carrier Alpha Code — The SCAC (alpha code) listings in this Classification represent only those carriers participating in the NMFC. For a complete listing of all assigned alpha codes, see the Directory of Standard Carrier Alpha Codes, NMF 101.		

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