



National Motor Freight Classification®

Supplement 1 to NMF 100-AU

(Supplement 1 contains all changes)

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Joel L. Ringer, Issuing Officer

National Motor Freight Traffic Association, Inc., Agent

1001 North Fairfax Street, Suite 600, Alexandria, VA 22314

www.nmfta.org

703.838.1810

For subscription information, call NMFTA Customer Service at 1.866.411.NMFC (6632).

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Issued by

Joel L. Ringer

Issuing Officer

National Motor Freight Traffic Association, Inc., Agent
1001 North Fairfax Street, Suite 600
Alexandria, Virginia 22314

Telephone — 703.838.1810

Fax — 703.683.1094

Email — fcde@nmfta.org

Website — www.nmfta.org

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
⊕★GFRA	Gulf Relay, LLC, Clinton, MS	2068379	723111

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
⊕★FALR	Foward Air Logistics Services, Forward Air Logistics Services Inc d/b/a, Columbus, OH	856015	259193
⊕★TDIS	Thoroughbred Direct Intermodal Services, Inc., Plymouth Meeting, PA	---	371347

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.

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14020-A	1	30860-A	1	45467-A	1	72042-A	1	124265-A	1	210	1
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15772-A	1	32590-A	1	45750-A	1	72680-A	1	★144791	1	255	1
15773-A	1	32850-A	1	46290-A	1	72681-A	1	149520-A	1	264	1
15897-A	1	34090-A	1	46340-A	1	73227-A	1	★149521	1	266	1
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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 2021

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RULES

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FCDC-REGISTERED THIRD PARTY PACKAGE TESTING LABORATORIES

The package testing laboratories named below are registered with the Freight Classification Development Council 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 FCDC's website, www.nmfta.org/pages/FCDCRegistered.

Laboratory	Location	Contact	Phone Number
Advanced Packaging Technology Laboratories, Inc.	Wheeling, IL	Monica White	847.520.4343
ANAMA Package & Container Testing Services, Inc.	Stamford, CT	Anton Cotaj	203.658.8490
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	Evan Edwards	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
UPS Customer Solutions - Package Design and Test Lab	Addison, IL	Jason Twu	630.628.3703

ITEM 235-A

SPECIFICATIONS FOR BUNDLES, COILS, REELS OR ROLLS

Bundles, coils ►or rolls must be ►banded, strapped, ►wrapped or otherwise protected ►or secured in a manner that will permit handling into or out of vehicles as units and withstand the normal rigors of the less-than-truckload environment. ►Where necessary to afford adequate protection against damage, article(s) must be protected by packing forms or other packaging materials. When tendered on lift truck skids, pallets or platforms, bundles, coils or rolls must be securely fastened to and must not overhang the lift truck skid, pallet or platform deck.

►**Reels** must have a core and two ends or heads of equal size with a diameter of 10 inches or more. When tendered on lift truck skids, pallets or platforms, reels must be securely fastened to the lift truck skid, pallet or platform, which must be of sufficient design, size and strength to support the size and weight of the reel and the article wound thereon. The last layer of the article must be lagged or wrapped between the flanges of the ends or heads with packaging material extending full width of the wound article and of sufficient strength to withstand the normal rigors of the less-than-truckload environment.

ITEM 257-A

SPECIFICATIONS FOR MOLDED POLYETHYLENE DRUMS

Sec. 1. APPLICATION:

Unless otherwise provided in separate descriptions of articles, or in the DOT's hazardous materials regulations referred to in Item 540, when the following requirements and specifications are complied with, the classes applicable to commodities in polyethylene drums of over 3 gallons capacity will be those provided for such commodities in drums. Characteristics of commodity must be such that shipping container and commodity are compatible in nature.

Sec. 2. MATERIAL PROPERTIES AND SPECIFICATIONS:

Drums must be made of polyethylene which shall have the following properties, as determined by ASTM per methods designated. Tests shall be performed on plastic with additives included:

Property	Specification (See Notes A and D)	ASTM Method
Melt Index	1.2 Maximum	D1238
Density Range	0.941–0.965	D1505
Tensile Strength	3,000 psi minimum	D638
Percent Elongation	75 percent minimum	D638

Note—Drums manufactured by injection molding, when of two-piece welded construction, may have a melt index of 10.5 maximum.

Sec. 3. CAPACITY AND CONSTRUCTION:

Molded polyethylene drums must be of tight-head (►nonremovable head) construction with not more than two openings in top head. Drum may be outfitted with an additional opening in sidewall provided that drop test described below is conducted at this area. Each opening must not exceed 2.7 inches in diameter.

(Continued on following page)

RULES**ITEM 257-A-Continued**

30-55 gallon drums must include features to allow handling manually or with conventional mechanical equipment.

<u>Maximum Capacity (Gallons)</u>	<u>Minimum Material Thickness (Inches)</u>
6 ¹ / ₂	0.045
15	0.075
30	0.125 (Note A)
55	0.125 (Note A)

Sec. 4. IDENTIFICATION AND REGISTRATION:

Drum must show: (1) manufacturer's name or an identifying symbol or trademark of manufacturer in lieu of the manufacturer's name and which symbol or trademark must be registered with the Freight Classification Development Council; (2) capacity in gallons; and (3) year of manufacture. These inscriptions must be plainly and durably marked on the drum in letters and numerals that are legible and not less than ¹/₄ inch in height.

Sec. 5. PERFORMANCE REQUIREMENTS:

Four sample drums chosen at random, filled as specified and closed as for shipment must pass the following performance tests as prescribed without leakage or permanent deformation. No single container shall be expected to withstand more than one test. Should a container fail any specified test, four sample drums chosen at random must then in succession pass the prescribed test.

(a) The container filled to 98 percent capacity with a solution compatible with polyethylene and which remains liquid at 0°F, shall be dropped from a height of 4 feet onto solid concrete on any part of the container which container and contents are at 0°F, or lower.

(b) The container shall be tested by retaining for 5 minutes hydrostatic pressure of at least 15 pounds per square inch at equilibrium without showing pressure drop or evidence of leaking.

(c) The container filled to 98 percent capacity with water shall withstand the following static compression test without buckling of the sidewalls sufficient to cause damage. Top to bottom deflection must not exceed 1 inch. Compression shall be applied to the load bearing areas of the top of the container for a period of not less than 48 hours. Drums not exceeding 6¹/₂ gallons must withstand a compression test of 600 pounds; not exceeding 15 gallons, 1,200 pounds; and not exceeding 30 gallons, 1,800 pounds; not exceeding 55 gallons, 2,400 pounds.

(d) The container filled to 98 percent of capacity with water shall be capable of withstanding a vibration test by placing the container on the vibration table anchored in such a manner that all horizontal motion shall be restricted and only vertical motion allowed. The test shall be performed for one hour using vertical double-amplitude (peak-to-peak) displacement of one inch at a frequency that causes the test container to be raised from the floor of the table to such a degree that a piece of paper or flat steel strip or tape can be passed between the table and the container.

Note A—0.090 inch minimum thickness allowed in local areas provided drum can withstand 0°F drop test directly on such areas.

ITEM 258-A**SPECIFICATIONS FOR INJECTION MOLDED PLASTIC ►REMOVABLE HEAD PAILS**

Sec. 1. Unless otherwise provided in separate descriptions of articles, or in the DOT's hazardous materials regulations referred to in Item 540, when the following requirements and specifications are complied with, the classes applicable to commodities in plastic ►removable head pails used as shipping containers will be those provided for such commodities in drums or pails. The characteristics of commodity must be such that the shipping container and commodity are compatible in nature. These specifications pertain to plastic injection molded ►removable head pails with a fluid capacity from 1 to 7 gallons that are intended for use in transporting nonhazardous commodities in liquid, solid, paste, granular or powder form.

Sec. 2. Construction and Marking Requirements.

Construction—Material and thickness at any given location on the container must be appropriate to its capacity. Covers, closure and vent devices, sealing gaskets, and bails or handles may be manufactured from materials other than plastic.

Covers—Containers must be sealed using covers that fit securely and render them leakproof when they are transported.

Bails—Bails and carrying handles must be firmly secured to the pail whenever they are provided, and they must be capable of supporting the container when it is filled to its rated maximum gross weight.

Outage—Sufficient outage, ullage or headspace must exist within the container once it is filled.

Container Markings—Each pail must be durably and legibly marked with the following information: (1) the pail manufacturer's name or an identifying symbol or trademark used in lieu of the manufacturer's actual name; (2) the intended fluid capacity, expressed in gallons or liters; (3) the year of manufacture; and (4) the pail manufacturer may elect to mark each pail with the letters "NRC" to signify that it is a nonreusable container as appropriate.

Sec. 3. Performance Requirements. For the purpose of this standard, commodities fall into two types: liquids and solids (i.e., nonliquids) as determined by applying the criteria in ASTM D4359. Plastic ►removable head pails are classified as follows: (1) pails that are intended to contain liquids; and (2) pails that are intended to contain solids. Pails that are tested for liquids under this specification may be used to package solid materials without any further testing provided that the gross weight (expressed in kilograms) does not exceed the rated fluid capacity (expressed in liters) of the container multiplied by the relative density of the liquid for which it was qualified. Containers that are tested for solid materials cannot be used to package a liquid unless they are retested for liquids. Additionally, containers which differ only with regard to additives, surface treatments, reductions in rated fluid capacity of less than 30%, and/or the type of optional closures or fittings used, do not require further testing provided that they yield the same level of performance as the containers that were originally tested. The following test procedures must be used to test and qualify containers to a specific level of laboratory performance:

1. Drop Tests—Allow six containers to cool at 73 +/- 4°F (23 +/- 2°C) for a minimum of 24 hours after they are molded before filling them to their marked capacity with an antifreeze solution when testing for liquids, or to the containers' intended gross weight with a material that is similar to the commodity for solids. Seal the containers and condition the filled containers at 0 +/- 2°F (-18 +/- 1°C) before dropping them from the appropriate drop height onto a flat nonresilient surface. A drop height of 31.5 inches (0.8 meters) is required for containers which are being tested for liquids with a relative density that does not exceed 1.2; whereas, the drop height for containers that are intended for liquids with a relative density that is greater than 1.2 shall be calculated as follows:

$$\text{RELATIVE DENSITY} \times 0.667 = \text{DROP HEIGHT EXPRESSED IN METERS} \\ (1 \text{ METER} = 39.4 \text{ INCHES})$$

Drop three containers flat on their sides and the remaining three containers flat onto the bottom of the pails. Containers are not required to withstand more than one drop. Continuous leakage or sifting of the contents is considered a failure; however, a small discharge of the contents upon impact that ceases immediately will not be considered a failure.

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RULES

ITEM 258-A-Continued

2. Stacking Test—Allow three containers to cool at 73 +/- 4°F (23 +/- 2°C) for a minimum of 24 hours after they are molded before filling them to their marked capacity with water when testing for liquids or to the containers' intended gross weight with a material that is similar to the commodity for solids. Seal the containers and position them on a level surface before applying the appropriate static load, which is calculated as follows:

$$\text{LOAD IN POUNDS} = [(118 / \text{HEIGHT OF A CONTAINER IN INCHES}) - 1] \times \text{GROSS WEIGHT OF A CONTAINER IN POUNDS} \times 1.5$$

CORRECTION FACTOR FOR DYNAMIC LOADS

This test shall be conducted at a temperature of 73 +/- 4°F (23 +/- 2°C). The top load shall not exceed 600 pounds and the load must be applied in a manner that simulates the actual stresses encountered during normal stacking conditions. The load must be maintained for 48 hours without evidencing any signs of collapse or instability, and the vertical deflection of the containers, measured while they are under load, shall not exceed 5% of the original height of the container. Additionally, none of the containers may leak when they are placed on their sides at the conclusion of the stacking test. However, the containers will be allowed to remain in their upright position for 30 minutes once the load is removed and before placing them on their sides and inspecting them for leakage.

3. Failure Retest Procedure—In the event that a container fails to meet one or more of the preceding performance requirements, three additional containers shall be tested in an identical manner without exhibiting any signs of failure. The failure of any of the three additional containers will indicate that the lot should be rejected and that corrective action should be taken by the pail manufacturer.

Pail manufacturers are required to submit a certified copy of the test report that contains a detailed description of the container, the test procedures that were used, and the test results that were obtained for each container design type satisfying the requirements of this specification upon request of the Freight Classification Development Council.

ITEM 260-A

SPECIFICATIONS FOR ALUMINUM DRUMS AND STEEL DRUMS OR PAILS

(a) **Drums or pails** must comply with the specifications of this Classification governing the transportation of commodities and U.S. DOT regulations for hazardous materials and performance requirements for packaging regulated thereunder.

Rated (marked) capacity of steel drums or pails, see Note 5	NOMINAL THICKNESS OF STEEL	
	For dry or solid articles, see Note 1	For other than dry or solid articles, see Note 1
Less than 19 L (5 gal)	0.4 mm (0.015 in or 28 gauge)	0.5 mm (0.018 in or 26 gauge), see Note 7
19 L (5 gal) but not exceeding 26 L (7 gal), see Note 2 and Item 255	0.5 mm (0.018 in or 26 gauge)	0.5 mm (0.018 in or 26 gauge), see Notes 4 and 7
Over 26 L (7 gal) but not exceeding 38 L (10 gal)	0.5 mm (0.018 in or 26 gauge)	0.8 mm (0.030 in or 22 gauge), see Note 4
Over 38 L (10 gal) but not exceeding 76 L (20 gal)	0.6 mm (0.024 in)	0.9 mm (0.036 in), see Note 4
Over 76 L (20 gal) but not exceeding 132 L (35 gal)	0.7 mm (0.028 in)	0.9 mm (0.036 in), see Note 4
Over 132 L (35 gal) but not exceeding 216 L (57 gal)	0.8 mm (0.030 in)	0.9 mm (0.036 in) / 1.2 mm (0.048 in), see Notes 2, 3, 4 and 6
Over 216 L (57 gal) but not exceeding 284 L (75 gal)	0.9 mm (0.036 in)	1.6 mm (0.060 in), see Note 8
Over 284 L (75 gal) but not exceeding 416 L (110 gal)	0.9 mm (0.036 in)	2.0 mm (0.075 in)
Over 416 L (110 gal) but not exceeding 450 L (119 gal)	1.2 mm (0.048 in)	2.8 mm (0.105 in)
All steel drums or pails for other than dry or solid articles must have side seams welded.		

Capacity of aluminum drums with or without steel jackets	NOMINAL THICKNESS OF ALUMINUM
	Body and Heads
Not exceeding 38 L (10 gal)	1.3 mm (0.051 in)
Over 38 L (10 gal) but not exceeding 132 L (35 gal)	1.6 mm (0.064 in)
Over 132 L (35 gal) but not exceeding 208 L (55 gal)	2.6 mm (0.102 in)
Over 208 L (55 gal) but not exceeding 416 L (110 gal)	3.3 mm (0.129 in)

(b) **Covers or heads** of aluminum drums or steel drums or pails, when constructed of metal, must be of same material and not less than thickness of bodies except as otherwise specifically provided. They must be securely fastened, and filled packages must be resistant to leakage or sifting.

Top covers may be constructed of injection molded, high-density polyethylene or polypropylene homopolymer or copolymer and have a minimum thickness of 2.29 mm (0.090 in). Top covers must have at least two concentric rings of not less than 9.53 mm (0.375 in) depth, except when cover is of a minimum thickness of 3.18 mm (0.125 in) cover may have one concentric ring. Closure must be effected by a liquid-tight gasket and a bolt or lever locking ring or an endless band rolled to bond body and cover at chime. Ring or band must not be thinner than 0.8 mm (0.030 in) metal.

Bungs or plugs or bung or plug closure caps, covers or seals may be made of metal, plastic or rubber and must be securely fastened, and must be resistant to leakage or sifting. Metal bungs or plugs must be not less than same thickness as body requirements. Metal bung closure caps, covers or seals may be made of metal thinner than that prescribed for container.

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(c) All aluminum or steel drums manufactured for use as freight containers must bear:

1. The manufacturer's name or an identifying symbol or trademark of manufacturer in lieu of the manufacturer's name and which symbol or trademark must be registered with the Freight Classification Development Council and, if used for the shipment of hazardous materials, the U.S. DOT.

2. The appropriate markings in accordance with the applicable U.S. DOT requirements found in 49 CFR §178.500 et seq and ISO 3574-1986 (E) for drums used for the transportation of hazardous materials and must include the information described below, abbreviated and shown in the order specified in examples (A) and (B):

- Type of package
- Material of construction
- Category within type of package
- Packing Group
- Density or specific gravity for liquids; or gross mass for solids
- Hydrostatic pressure (kPa), rounded down to the nearest 10 kPa, for liquids; or the letter 'S' for solids
- Year of manufacture
- Country where container was manufactured
- Manufacturing plant's code

(A) UN 1A2/Y200/S/07, indicating that the container is ►removable head and made of steel; Packing Group II and III; mass of 200 kg; contains solid product; was manufactured in 2007.

(B) UN 1B1/Y1.8/150/07 indicating that the container is ►nonremovable head and made of aluminum; Packing Group II and III; specific gravity of 1.8; hydrostatic pressure of 150 kPa; manufactured in 2007.

If the drum is constructed of steel and its capacity is greater than 100 L (26.4 gal), a permanent mark must appear on the bottom of the drum indicating the thickness of the metal, expressed in nominal marks in accordance with the list above, the year of manufacture and any additional information, as required in 49 CFR §178.503. These marks may be abbreviated and must appear in the order specified, for example: 1.1-07, which will signify that the container is made of steel with a thickness of 1.1 mm and was manufactured in the year 2007. When the thickness of metal in the body differs from that in the top and bottom heads, all three thicknesses must be indicated with a dash between, with the thickness of the top head indicated first, for example: 1.1-0.8-1.0-07 for a top head of 1.1 mm nominal thickness, a body of 0.8 mm nominal thickness, a bottom head of 1.0 mm nominal thickness and manufactured in 2007.

The inscription must be plainly and durably marked on containers, or on a plate securely brazed, welded or soldered thereto, in letters that are legible and are not less than 6.4 mm (0.25 in) in height for drums less than 100 L (26.4 gal) capacity or 12.7 mm (0.50 in) in height for drums 100 L (26.4 gal) or greater capacity. These requirements will not be necessary for steel shipping drums or pails when manufactured in foreign countries, but shipping orders and bills of lading must bear the following certificate: *'The steel shipping drums or pails used in this shipment are of foreign manufacture and conform to construction requirements of Item 260.'*

(d) When a steel drum has been reconditioned or remanufactured for further use as a shipping container, the party performing such reconditioning or remanufacturing must indicate its name or an identifying symbol or trademark on such containers, which symbol or trademark must be registered with the Freight Classification Development Council and the U.S. DOT. The marking must be made in accordance with the applicable provisions in 49 CFR §178.500 et seq, and be plainly and durably made by painting, stenciling, embossing or similar means or must be on a plate securely brazed, welded or soldered thereto, in letters that are legible and are not less than 6.4 mm (0.25 in) in height for drums less than 100 L (26.4 gal) capacity or 12.7 mm (0.50 in) in height for drums 100 L (26.4 gal) or greater capacity. Identifying names, symbols or trademarks of manufacturer or previous reconditioner must be removed or obliterated unless such names, symbols or identifying marks are embossed or affixed in such manner that removal or obliteration is not practicable.

Note 1—The term 'dry or solid' is defined as referring only to articles which are dry or solid at a temperature of 38°C (100°F).

Note 2—Steel drums over 114 L (30 gal) but not exceeding 216 L (57 gal) rated (marked) capacity, see Note 5, other than full ►removable head type, manufactured from steel not less than 0.6 mm (0.024 in) nominal thickness may be used providing that contiguous, parallel, geometrically similar, circumferential beads are so expanded in the entire height of the body that the surface length of the steel in the axial direction does not change more than one percent. Top and bottom heads must be without corrugation or beading and without convexity. Each chime must be reinforced with a 1.2 mm (0.048 in) steel band that is an integral part of the double seam, resulting in a chime cross section containing eight layers of steel. The reinforcing band shall follow and support the knuckle radius of the top or bottom heads with the inside edge upturned so that it does not contact the adjacent portions of the top or bottom heads;

OR

Steel drums over 114 L (30 gal) but not exceeding 216 L (57 gal) rated (marked) capacity, see Note 5, other than full ►removable head type, manufactured from steel not less than 0.6 mm (0.024 in) nominal thickness for the bodies and not less than 0.9 mm (0.036 in) nominal thickness for the top and bottom heads may be used providing that contiguous, parallel, geometrically similar, circumferential beads are so expanded in the entire height of the body that the surface length of the steel in the axial direction does not change more than one percent, and provided that top and bottom heads are seamed to bodies by a process which results in chimes with seven overlapping layers formed from the parent head and body steel.

Note 3—Steel drums over 132 L (35 gal) but not exceeding 216 L (57 gal) rated (marked) capacity, see Note 5, having 0.9 mm (0.036 in) nominal thickness bodies and heads may be used as shipping containers for other than dry or solid articles, see Note 1. Drums must have two or more expanded rolling hoops in the body. New empty steel drums manufactured after July 1, 1980 over 132 L (35 gal) but not exceeding 216 L (57 gal) capacity having 0.9 mm (0.036 in) to 1.2 mm (0.048 in) nominal thickness heads when used as shipping containers for other than dry or solid articles shall have a center bottom nominal clearance of 3.2 mm (0.125 in) from the floor when empty.

Note 4—Steel drums with molded one-piece polyethylene inserts for liquids and articles in liquid:

The requirements, limitations and specifications set forth in the table in this section for the numbered types shown therein must be observed. The minimum requirements in the table for steel drum overpack body, bottom head, and top head or cover are governed by either the weight of contents in the first column or by the capacity in the second column, whichever limitation calls for the higher minimum requirements.

Capacity is net, but sufficient outage must be provided.

These drums must not be used again for shipments of liquids or articles in liquid after contents have been removed, except when container, closing devices, and required inner protection are in such condition that they will protect contents as efficiently as new containers or have been reconditioned or remanufactured in accordance with 49 CFR §173.28.

Drums filled to net capacity with water must withstand without leakage a tip-over fall on concrete on the cover chime followed by a diagonal drop on the bottom chime sufficient to provide at least 69.12 kilogram-force meter (500 foot-pounds) impact, except that maximum height of drop shall not exceed 0.61 m (2 ft).

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TABLE OF AUTHORIZED CONTAINER TYPES

TYPE	MAXIMUM LIMIT		NOMINAL THICKNESS REQUIREMENTS			
	Weight of Contents	Capacity	Body	Bottom	Top	Required Insert and Method of Closure
4A	48 kg (105 lbs)	25 L (6.5 gal)	0.5 mm (0.018 in)	0.5 mm (0.018 in)	0.5 mm (0.018 in)	See Type 4A references below
	111 kg (245 lbs)	57 L (15 gal)	0.5 mm (0.018 in)	0.6 mm (0.024 in)	0.6 mm (0.024 in)	
	159 kg (350 lbs)	114 L (30 gal)	0.5 mm (0.018 in)	0.6 mm (0.024 in)	0.6 mm (0.024 in)	
	204 kg (450 lbs)	114 L (30 gal)	0.6 mm (0.024 in)	0.8 mm (0.030 in)	0.8 mm (0.030 in)	
	272 kg (600 lbs)	208 L (55 gal)	0.6 mm (0.024 in)	0.8 mm (0.030 in)	0.8 mm (0.030 in)	
	318 kg (700 lbs)	208 L (55 gal)	0.8 mm (0.030 in)	0.9 mm (0.036 in)	0.9 mm (0.036 in)	
	363 kg (800 lbs)	208 L (55 gal)	0.9 mm (0.036 in)	1.2 mm (0.048 in)	1.2 mm (0.048 in)	
4B-L	48 kg (105 lbs)	25 L (6.5 gal)	0.5 mm (0.018 in)	0.5 mm (0.018 in)	0.5 mm (0.018 in)	See Type 4B-L references below
	111 kg (245 lbs)	57 L (15 gal)	0.5 mm (0.018 in)	0.6 mm (0.024 in)	0.6 mm (0.024 in)	
	159 kg (350 lbs)	114 L (30 gal)	0.5 mm (0.018 in)	0.6 mm (0.024 in)	0.6 mm (0.024 in)	
	204 kg (450 lbs)	114 L (30 gal)	0.6 mm (0.024 in)	0.8 mm (0.030 in)	0.6 mm (0.024 in)	
	272 kg (600 lbs)	208 L (55 gal)	0.6 mm (0.024 in)	0.8 mm (0.030 in)	0.6 mm (0.024 in)	
	318 kg (700 lbs)	208 L (55 gal)	0.8 mm (0.030 in)	0.9 mm (0.036 in)	0.8 mm (0.030 in)	
	363 kg (800 lbs)	208 L (55 gal)	0.9 mm (0.036 in)	1.2 mm (0.048 in)	1.2 mm (0.048 in)	
4B-H	204 kg (450 lbs)	114 L (30 gal)	0.6 mm (0.024 in)	0.6 mm (0.024 in)	0.6 mm (0.024 in)	See Type 4B-H references below
	318 kg (700 lbs)	208 L (55 gal)	0.6 mm (0.024 in)	0.8 mm (0.030 in)	0.6 mm (0.024 in)	
	363 kg (800 lbs)	208 L (55 gal)	0.9 mm (0.036 in)	1.2 mm (0.048 in)	1.2 mm (0.048 in)	

Type 4A—Steel drums must have fully removable top heads (covers) secured by locking devices, with or without metal or plastic plug or cap closures. No more than two closures are permitted in the top head, and closures should not be larger than 5.8 cm (2.3 in). Covers must be equipped with rubber or resilient plastic gasket to effect a liquid-tight seal. Drum body must be designed with not less than two rolling hoops manufactured in accordance with ANSI MH-2 or MH-2(a). Steel drums must be equipped with molded full ▶removable head semi-rigid polyethylene inserts conforming to drum contour. Minimum thickness of insert shall be 0.38 mm (0.015 in) or in conformance with the following requirements:

MINIMUM THICKNESS OF POLYETHYLENE INSERT

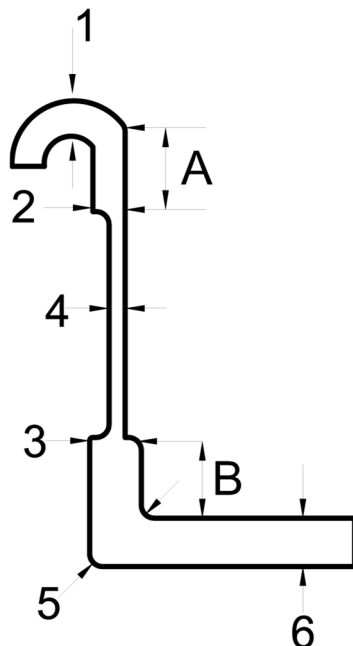
LOCATIONS IN INSERT	POLYETHYLENE INSERT MINIMUM THICKNESS		
	See Sketch*	Not exceeding 114 L (30 gal)	Over 114 L (30 gal) but not exceeding 208 L (55 gal)
Top Chime	1	0.30 mm (0.012 in)	0.38 mm (0.015 in)
Top and Bottom Body at A and B	2-3	0.38 mm (0.015 in)	0.38 mm (0.015 in)
Body	4	0.18 mm (0.007 in)	0.18 mm (0.007 in)
Bottom Corner	5	0.76 mm (0.030 in)	1.02 mm (0.040 in)
Bottom	6	0.46 mm (0.018 in)	0.64 mm (0.025 in)

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ITEM 260-A-Continued

* Explanation of Thickness Measurement Locations in Insert



CAPACITY	DIMENSION A - Distance from Top	DIMENSION B - Distance from Bottom
Not exceeding 57 L (15 gal)	5.08 cm (2.0 in)	6.35 cm (2.5 in)
Over 57 L (15 gal) but not exceeding 114 L (30 gal)	5.08 cm (2.0 in)	8.89 cm (3.5 in)
Over 114 L (30 gal) but not exceeding 208 L (55 gal)	5.08 cm (2.0 in)	10.2 cm (4.0 in)

Types 4B-L and 4B-H—Steel drums must be of tight-head ►(nonremovable head) construction or constructed with fully removable top heads (covers) secured by locking devices, with or without plastic plug or cap closures, or openings, in top heads (covers) to permit polyethylene insert neck(s) or flange(s) to protrude. No more than two closures are permitted in the top head and closures should not be larger than 5.8 cm (2.3 in), or no more than two openings for necks or flanges are permitted in top heads or covers.

Steel drums must be equipped with molded ►nonremovable head polyethylene insert having not more than two closure openings in top head, no larger than 5.8 cm (2.3 in). Thickness requirements shall meet the following schedule:

Molded Polyethylene Insert ►Nonremovable Head Type	NOMINAL THICKNESS	
	Type 4B-L (Lightweight)	Type 4B-H (Heavyweight)
25 L (6.5 gal)	0.25 mm (0.010 in)	—
57 L (15 gal)	0.38 mm (0.015 in)	—
114 L (30 gal)	0.38 mm (0.015 in)	0.76 mm (0.030 in)
208 L (55 gal)	0.38 mm (0.015 in)	1.02 mm (0.040 in)

Types 4A, 4B-L and 4B-H MOLDED POLYETHYLENE INSERTS—Steel drums equipped with semi-rigid polyethylene insert which shall be molded full ►removable head construction conforming to requirements of Type 4A, or molded ►nonremovable head construction having no more than two openings in top head are permitted, and closures should not be larger than 5.8 cm (2.3 in) and must conform to requirements of Type 4B-L or 4B-H. Inserts shall be made of polyethylene which shall have the following properties:

Melt Index	2.6 maximum
Density	14.6 kg/m ³ (0.910–0.925 pcf)
Tensile Strength	10.3 MPa (1,500 psi) minimum
Percent Elongation	400 percent minimum

Note 5—The rated (marked) capacity means the capacity stated in liters (gallons) in accordance with paragraph (c) plus the following outages (additional capacity):

Containers for dry or solid articles:

Not less than two percent nor more than three percent **OR** two percent plus 0.95 L (1 qt), whichever is greater.

Containers for other than dry or solid articles:

Not less than four percent nor more than five percent **OR** four percent plus 0.95 L (1 qt), whichever is greater.

(Continued on following page)

RULES

ITEM 260-A-Continued

Note 6—In cold-rolled steel tight-head (nonremovable head) drums not exceeding 216 L (57 gal) capacity, having bodies welded and constructed of 0.8 mm (0.030 in) steel, bottom heads of 1.0 mm (0.042 in) steel inwardly embossed with three circumferential beads, and top heads of 0.9 mm (0.036 in) nominal thickness. The drum body must be designed with not less than two rolling hoops. Drums must comply with the marking requirements of paragraph (c). In addition, top and bottom heads must bear the wording 'Non-Reusable for Liquids' in lettering of not less than 1.27 cm (0.5 in) in height to indicate container cannot be used again as a shipping container for liquids or articles in liquid after the initial contents have been removed or unless they have been reconditioned or remanufactured in accordance with 49 CFR §173.28.

Note 7—Steel pails or drums not exceeding 19 L (5 gal) capacity may be used as shipping containers providing ►removable head containers have body and bottom head made of steel not thinner than 0.4 mm (0.015 in) and top cover of steel not thinner than 0.5 mm (0.018 in) having a minimum of 16 lugs spaced not more than 6.4 mm (0.25 in) apart. Bottom head of ►removable head container must have three inwardly embossed circumferential beads and top cover must have two inwardly embossed circumferential beads. Tight-head (►nonremovable head) containers may be of all 0.4 mm (0.015 in) steel and need not be embossed with circumferential beads. Pails or drums must have welded side seams. Such containers must bear the initials 'NRC,' meaning nonreusable container, to signify that they are not to be used again as a shipping container after contents have been removed.

Note 8—Steel drums over 216 L (57 gal) but not exceeding 246 L (65 gal) having 1.2 mm (0.048 in) bodies and top heads and 1.6 mm (0.060 in) steel bottom heads may be used as shipping containers for other than dry or solid articles.

Note 9—In new 208 L (55 gal) steel drums of tight-head (nonremovable head) construction having bodies constructed of 0.8 mm (0.030 in) steel, bottom heads of 1.2 mm (0.048 in) steel and top heads of 0.9 mm (0.036 in) steel. Drum body must be designed with not less than two rolling hoops. Top and bottom heads must be seamed to body by a process which results in chimes with seven overlapping layers formed from the parent head and body steel. Drum must comply with the marking requirements of paragraph (c). In addition, drum must bear the letters 'NRC,' symbolizing that the drum is a nonreusable container, in lettering of not less than 1.27 cm (0.5 in) in height to indicate that container cannot be used again as a shipping container for liquids or articles in liquid after the initial contents have been removed or unless they have been reconditioned or remanufactured in accordance with 49 CFR §173.28.

ITEM 270-A

DEFINITION OF OR SPECIFICATIONS FOR SKIDS, OTHER THAN LIFT TRUCK

Skids, other than lift truck ►skids, are ►runners made of wood, ►metal or other material that are secured directly to the bottom of the article(s) shipped. ►Skids must be of sufficient strength and dimensions to permit handling into or out of vehicles as a unit and withstand the normal rigors of the less-than-truckload environment. When susceptible to damage from handling with mechanical equipment, bottom of article(s) must be adequately protected.

ITEM 296-A

SPECIFICATIONS FOR FIBER DRUMS FOR LIQUIDS OR ARTICLES IN LIQUID

Sec. 1. The terms 'liquid' or 'articles in liquid' as used in this rule apply to articles, or that portion of articles present in an amount over 10 percent by weight of a whole, having a viscosity measurement of less than 5000 centipoises. Measurement must be made at temperatures up to 100 degrees Fahrenheit, except as to articles normally shipped under refrigeration, in which case the measurement must be made at shipping temperatures. Measurement shall be determined by a viscometer of the Brookfield type equipped with a No. 4 spindle rotated at 20 revolutions per minute or by any other instrument giving an equivalent measurement.

Sec. 2. The requirements, limitations and specifications set forth in the table in this section for the numbered types shown therein must be observed. The sidewalls of all drums must be convolutely, not spirally, wound and no single ply should be less than 0.012 inch in thickness, with outer ply, in the absence of specific waterproof treatment, sized to resist the effect of casual water, and all plies firmly glued together. The minimum requirements in the table for sidewall, top and bottom are governed by either the weight of contents in column B or by the capacity in column C, whichever limitation calls for the higher minimum requirements. Gallonage capacities are net, but sufficient outage must be provided.

Drums filled to net capacity with water must withstand without leakage a tipover fall on concrete on the cover chime followed by a diagonal drop on the bottom chime sufficient to provide at least 500 foot-pounds impact, except that a maximum height of drop shall not exceed two feet and the minimum height of drop not less than one foot.

These drums must not be used again for shipments of liquids or articles in liquids after contents have been removed, except when containers, closing devices, and required interior protection are in such condition that they will protect contents as efficiently as new containers.

(Continued on following page)

RULES

ITEM 296-A-Continued

TABLE OF AUTHORIZED TYPES OF CONTAINERS

A = Type of Fiber Drum

B = Maximum weight limit of contents, in pounds

C = Maximum capacity limit of contents, in gallons

D = Minimum sidewall test requirements in pounds per square inch (see Note 1)

E = Minimum thickness requirements, in inches, of fiberboard bottoms

F = Minimum test requirements in pounds, for fiberboard bottoms (see Note 1)

G = Minimum steel gauge requirements for steel bottoms

H = Minimum fiberboard test requirements, in pounds, (see Note 1) for bottoms of fiberboard and steel combined

I = Minimum steel gauge requirements for bottoms of fiberboard and steel combined

J = Minimum requirements for plastic top covers

K = Minimum steel gauge requirements for steel top covers

L = Minimum test requirements, in pounds, for fiberboard top covers (see Note 1)

M = Minimum required interior protection and method of closure for top covers

A	B	C	D	E	F	G	H	I	J	K	L	M
1A	60	5	850	0.170	800	24	600	26	See Note 7	24	See Note 6	See Note 1
	225	20	1000	0.200	1200	24	800	26	See Note 7	24	See Note 6	See Note 2
2A	400	35	1100	0.220	1300	24	1000	24	See Note 7	24	N.A.	See Note 2
	700	65	1200	0.240	1500	24	1000	24	See Note 7	24	N.A.	See Note 2
	245	15	900	0.200	1200	24	0.110 400+	30*	See Note 7	24	N.A.	See Note 4
3A	350	30	1100	0.220	1300	24	0.140 550+	30*	See Note 7	24	N.A.	See Note 4
	600	55	1200	0.240	1500	25	0.160 900+	30*	See Note 7	24	N.A.	See Note 4
	105	6 $\frac{1}{2}$	600	0.120	800	28	N.A.	N.A.	See Note 7	28	0.120 800+	See Note 4
	245	15	700	0.160	1100	26	0.110 400+	30*	See Note 7	26	0.160 1100+	See Note 4
3B-L	350	30	900	0.200	1200	24	0.140 550+	30*	See Note 7	24	0.200 1200+	See Note 4
	450	40	1000	0.220	1300	24	0.140 550+	30*	See Note 7	24	0.220 1300+	See Note 4
	600	55	1200	0.240	1500	24	0.160 900+	30*	See Note 7	24	0.240 1500+	See Note 4
	350	30	800	0.160	1100	24	0.220 400+	30*	See Note 7	24	0.160 1100+	See Note 4
3B-H	450	30	900	0.200	1200	24	0.140 550+	30*	See Note 7	24	0.200 1200+	See Note 4
	700	55	1000	0.220	1300	24	0.140 550+	30*	N.A.	24	0.220 1300+	See Note 4
	400	35	1100	0.220	1300	N.A.	1000	24	See Note 7	24	0.220 1300+	See Note 5
3C	500	55	1000	0.240	1500	N.A.	1000	24	See Note 7	24	N.A.	See Note 5
	600	55	1200	0.240	1500	N.A.	1000	24	See Note 7	24	N.A.	See Note 5
4A	N.A.	55	See Note 8									

N.A.—Not Authorized

*—For combination fiber and steel bottoms, the steel must be locked into the crimp. Flat discs are not acceptable.

+—Thickness Inches/Test Pounds.

Note 1—Interior of Type 1A drum must be lined or so treated as to prevent penetration by the material with which the drum is filled for shipping.

Note 2—Interior of sidewall and bottom of Type 2A drum must be provided with an interior lining or barrier so as to form an integral part of the drum to prevent liquid penetration and so joined at the bottom chime as to form a liquid-tight juncture. Tops (covers) may be permanently secured, or, if removable, must be fastened by the ring locking method, and must be equipped with a gasket to effect a liquid-tight seal and may have metal or plastic bung closures.

Note 3—Not currently used.

(Continued on following page)

RULES

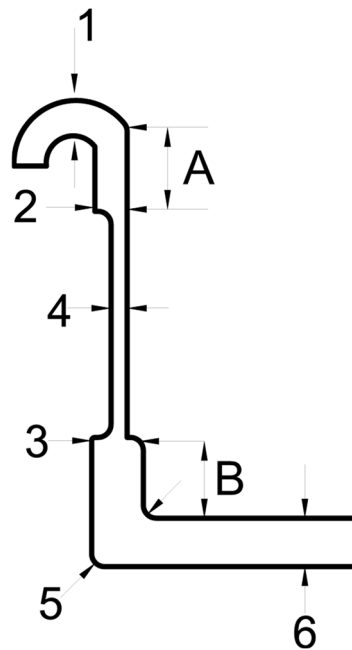
ITEM 296-A-Continued

Note 4—Type 3A fiber drums must have full removable tops (covers) secured by locking devices or permanently secured tops (covers) and may have metal or plastic plug or cap closures. Not more than two closures not exceeding 2.3 inches are permitted. Tops must be equipped with a gasket to effect a liquid-tight seal. This drum must be lined with molded, full, ►removable head, semi-rigid polyethylene conforming to drum contour and minimum specifications shown at end of this Note. Minimum thickness of insert shall be 0.015 inch or in conformance with the following requirements:

MINIMUM THICKNESS OF POLYETHYLENE INSERT (INCHES)

LOCATIONS IN INSERT	INSERT MINIMUM THICKNESS		
	See Sketch*	Not over 30 gallons	Over 30 gallons not over 55
Top Chime	1	0.012	0.015
Top and Bottom Sidewall at A and B	2–3	0.015	0.015
Sidewall	4	0.007	0.007
Bottom Corner	5	0.030	0.040
Bottom	6	0.018	0.025

*Explanation of Thickness Measurement Locations in Insert



CAPACITY	DIMENSION A Inches from Top	DIMENSION B Inches from Bottom
Not over 15 gallons	2	2½
Over 15, but not over 30 gallons	2	3½
Over 30, but not over 55 gallons	2	4

Type 3B-L and 3B-H fiber drums must have permanently secured tops (covers), or full removable tops (covers) secured by locking devices, with or without plastic plug or cap closures, or openings in tops (covers) to permit polyethylene insert necks or flanges to protrude. Not more than two closures not exceeding 2.3 inches, or not more than two openings for necks or flanges are permitted in tops (covers). These drums must be equipped with molded, ►nonremovable head polyethylene inserts having not more than two closure openings in top head, not exceeding 2.3 inches which conform to drum contour and minimum specifications shown at the end of this Note. Thickness requirements must conform or exceed the following schedule:

Molded Polyethylene Insert ►Nonremovable Head Type Capacity—Gallons—Max.	Minimum Thickness—(Inches)	
	Type 3B-L (Lightweight)	Type 3B-H (Heavyweight)
6½	0.010	—
15	0.015	—
30	0.015	0.30
55	0.015	0.40

Molded inserts of full ►removable head (Type 3A) or ►nonremovable head (Types 3B-L and 3B-H) construction must be made of polyethylene which has the following properties:

Melt Index: 2.6 maximum
 Density: 0.910–0.925
 Tensile Strength: 1,500 psi minimum
 Percent Elongation: 400 percent minimum

(Continued on following page)

RULES

ITEM 296-A-Continued

Note 5(A)—Type 3C drums equipped with a bag-type liner of flexible plastic not less than four mils in thickness having a circular bottom without gussets or folds may be used for only the following commodities:

Table Sauces	Cleaning, Scouring or Washing Compounds
Cotton softeners	Food curing, preserving or seasoning compounds
Latex	Plastics
Tanning extracts	Sizing, NOI

(B)—Type 3C drums equipped with a bag-type contoured liner of flexible high-density polyethylene not less than four mils in thickness having a circular bottom without gussets or folds, are not restricted to Note 5(A) commodities.

These liners (A) and (B) must be protected at the bottom chime by one of the following methods:

1. By interposing a flexible creped Kraft-paper liner having a basis weight of not less than 80 pounds between it and the drum bottom and extending not less than four inches up the sidewall.

2. By interposing a flexible five-ply corrugated paper disk between it and the drum bottom.

3. By a plastic cuff not less than 0.004 inch thick permanently attached to the liner which must extend up the drum sidewall not less than four inches and extend under bottom of liner not less than two inches from the chime.

4. Other methods of protection are authorized as necessary, provided the drum filled to capacity with water can withstand a one-hour vibration test (ASTM D999 A) without failure of the plastic liner. Failure will constitute deformation or evidence of liquid penetration of the outside ply with inspection to be made four hours following vibration test. Drums capable of passing vibration test will not be restricted to commodities listed within paragraph (A).

Closure of liner must be made liquid-tight by tying or sealing or by folding the bag out over the top metal chime of the drum and closing it off with a gasketed cover and locking band.

Note 6—5-gallon containers may have tops made of fiberboard providing they meet the minimum requirements specified for fiberboard bottoms. Tops must be of minimum thickness of 0.170 inch and test not less than 800 pounds.

Note 7—Top covers must be constructed of injection molded high density polyethylene or polypropylene homopolymer or copolymer and have a minimum thickness of 0.060 inch. Top covers must have at least two concentric rings of not less than $\frac{1}{8}$ inch depth, except when cover is of a minimum thickness of 0.125 inch cover may have one concentric ring. Closure must be effected by the ring locking method and must be equipped with a gasket to effect a liquid-tight seal.

Material must meet the following parameters as specified within the referenced ASTM testing methods:

Injection Molded High Density Polyethylene Homopolymers or Copolymers:	
Density, ASTM D1505	0.948–0.967
Melt Index, ASTM D1238 FR-E	1.0–8.0
Tensile Strength, ASTM D638	3000 PSI, minimum
Heat Resistance Vicat Soft Point	240–260° F

Injection Molded Polypropylene Homopolymers or Copolymers:	
Density, ASTM D1505	0.890–0.915
Melt Flow, ASTM D1238	1.0–8.0
Tensile Strength, ASTM D638	3000 PSI, minimum
Izod Impact at 32° F, ASTM D256, Method A	1.0–18.0
Heat Distortion Temperature at 66 PSI, ASTM D648	160–275° F

Type 3B-L fiber drums not exceeding 15 gallons capacity may have top covers constructed of injection molded high density polyethylene not less than 75 mils in thickness meeting the above testing requirements. Cover must be flanged to fit inside top diameter of drum and must be securely metal stitched to drum sidewall.

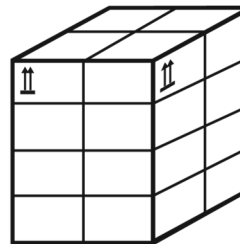
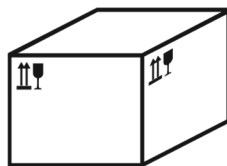
Note 8—Type 4A drums, integrally lined, of maximum 55-gallon capacity, filled with water to rated capacity, must be capable of withstanding a four-foot drop onto a solid surface on top and a second four-foot drop diagonally on the bottom without failure. Having passed this performance level, construction minimums, net weight maximum and closure requirements will not be subject to the above table. The 'Certificate of Maker,' as required of all fiber drums per Item 297, must be amended to show 'TYPE OF FIBER DRUM—4A' in lieu of 'SIDEWALL TEST _____ POUNDS PER SQUARE INCH' and 'NET WEIGHT LIMIT _____ POUNDS.'

Sec. 3. Fiber drums conforming to the requirements in Sec. 2 may also be used for transporting semi-solids.

ITEM 682-A

PICTORIAL PRECAUTIONARY MARKINGS

In addition to shipping container markings required by the Code of Federal Regulations (CFR), Title 49 for the shipment of hazardous materials, the following pictorial symbols or precautionary wording must be conspicuously shown only when conditions are applicable, indicating special handling or storage requirements. Palletized or unitized loads may be marked as a single unit. Markings must be shown on two adjacent sides of the handling unit as a minimum, with the exception of markings shown in Secs. 7(a), 8(a), 11 and 13. Symbols may be printed or adhered as a label. For prominence, such symbols may be within a border or have an opposing background color.

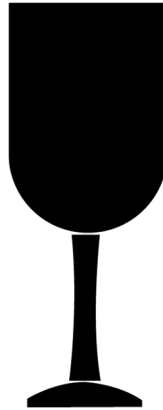


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RULES

ITEM 682-A-Continued

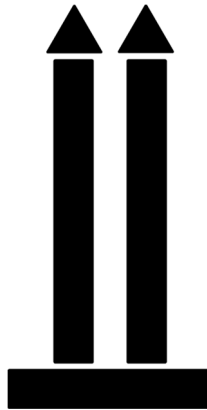
Sec. 1. FRAGILE-HANDLE WITH CARE:



In addition to being shown in the upper left corner of side panels, the glass symbol may also be positioned in any area of any panel to indicate the location of glass within the container.

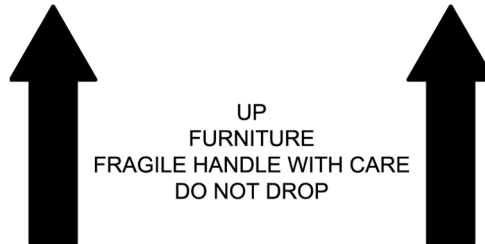
Sec. 2. UP ARROWS:

(a)



For reasons of preferable or multiple safe orientations, the above symbol may be shown in duplicate authorizing multiple direction upright positions as an option.

(b)



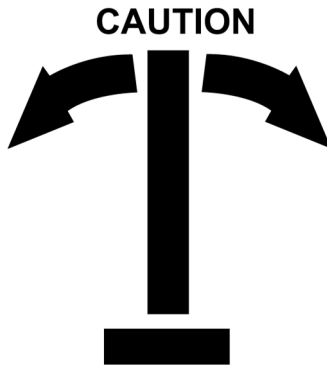
All articles of furniture **must** show the above symbol and precautionary markings. Multiple direction arrows are authorized. In lieu of the above symbol, articles of furniture may show the precautionary markings of **Sec. 1 and Sec. 2(a) (see Note, item 79022) in combination only.**

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RULES

ITEM 682-A-Continued

Sec. 3. TOP HEAVY:



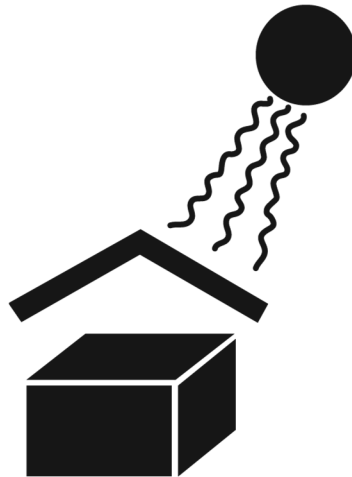
TOP HEAVY

For application, see Item 680, Sec.12.

Sec. 4. KEEP DRY:



Sec. 5. PROTECT FROM HEAT:

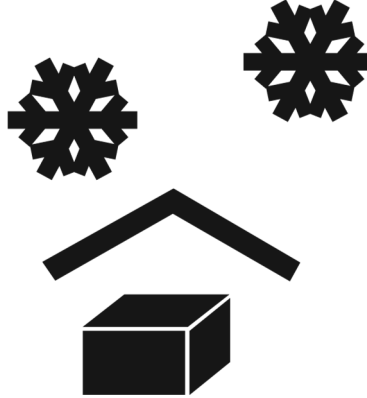


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RULES

ITEM 682-A-Continued

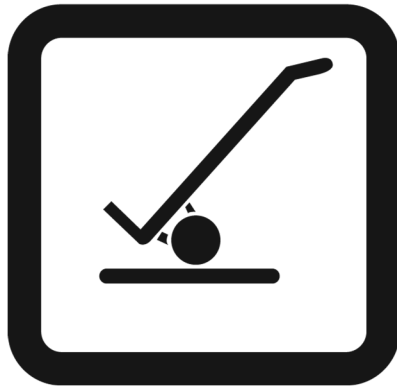
Sec. 6. PROTECT FROM FREEZING:



Sec. 7. HAND TRUCK:

Accordingly:

(a)



(b)



Must be shown on side of container where handling device should be used.

Sec. 8. FORKLIFT:

Accordingly:

(a)



(b)



Must be shown on side of container where handling device should be used.

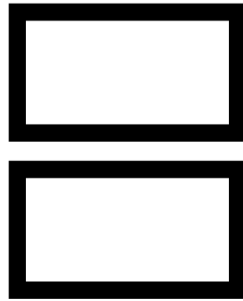
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RULES

ITEM 682-A-Continued

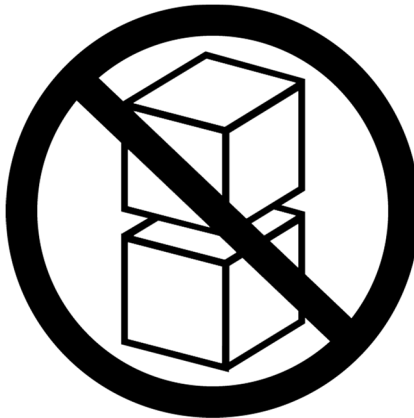
Sec. 9. STACK HEIGHT:

4



Note—The number '4' is shown for example only.

Sec. 10. DO NOT STACK:



Sec. 11. NO STEP:

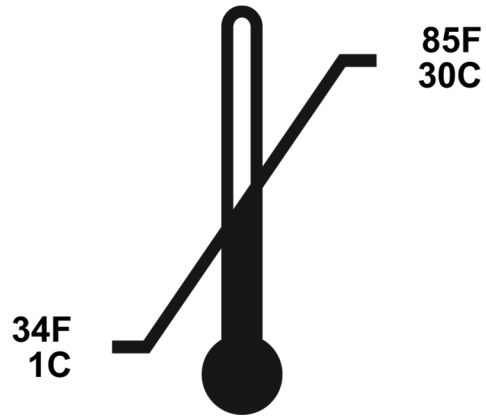


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RULES

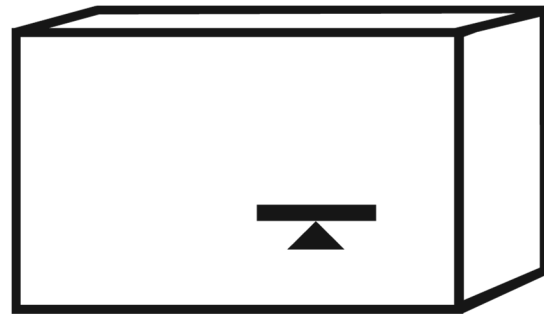
ITEM 682-A-Continued

Sec. 12. TEMPERATURE LIMITS:



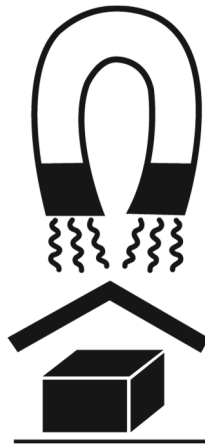
Note—The numbers shown relating to specific temperatures are for example only.

Sec. 13. CENTER OF BALANCE:



Must be shown on two opposite sides of container to indicate balance point for handling purposes.

Sec. 14. MAGNETICALLY SENSITIVE:



ITEM	ARTICLE	CLASS
8540-A	AGRICULTURAL IMPLEMENTS, HAND, GROUP: subject to item 6060 Setters, plant, or Transplanters , other than trowel transplanters, etc...☒Cancel; obsolete.	
10380-A	AGRICULTURAL IMPLEMENTS, OTHER THAN HAND, GROUP: subject to item 8900 Trucks , tongue or transport, one or two wheeled, NOI, etc...☒Cancel; obsolete.	
13795-A	ALUMINUM: subject to item 13100 Tubs, laundry, or Washtubs , twin, portable, without legs or with metal legs detached or folded, not nested, etc...☒Cancel; obsolete.	
14020-A	AMMUNITION, NOT EXPLOSIVE, GROUP: subject to item 14000 Bombs , aerial, sheet aluminum, empty, etc...☒Cancel; obsolete.	
14022-A	NOTE—☒Cancel; no further application.	
14280-A	Shrouds , rocket motor nozzle or tail, SU, not nested, aluminum, etc...☒Cancel; obsolete.	
15730-A	ATHLETIC GOODS GROUP: subject to item 15500 Billiard or Pocket Billiard (Pool) Equipment, viz.: Balls or Bottles , shake; Boards , pin pool; Bridges , cue; Cabinets or Racks , cue, wall mounting; Covers , table; Cues ; Markers ; Pins , pool; Triangles, Ball Racks or Ball Trays , other than plastic, see Note, item 15732; ►In boxes or crates	100
△15732-A	NOTE—For provisions applicable on plastic triangles, ball racks and ball trays, see item 15520, 'Athletic or Sporting Goods, NOI.'	
15770-A	Billiard or Pocket Billiard (Pool) Tables , KD, with stone or slate slabs, see Notes, items 15772 and 15773, ►in boxes or crates	85
△15772-A	NOTE—With each table there may be included in same package not more than four cues, one bridge, one triangle, one set of balls and one package of chalk.	
△15773-A	NOTE—Applies on articles named, whether or not actuated by coin- or currency-operating mechanism.	
15897-A	Bowling Alleys or Bowling Alley Parts: subject to item 15860 Units , ball return, mechanical, etc...☒Cancel; obsolete.	
16653-A	Horse Jumps or Horse Jump Sections , wood: subject to item 16652	
16657-A	Bank Jumps , SU or SU in sections, etc...☒Cancel; obsolete.	
16658-A	Standards, Brush Boxes (Brush Jumps) or X-Base Cavallettis , SU or SU in sections, etc...☒Cancel; obsolete.	
16910-A	Walls or Round Log Cavallettis , SU or SU in sections, etc...☒Cancel; obsolete.	
21420-A	Megaphones , paper or pulpboard, nested, KD flat, or in sheet form with ends not joined, etc...☒Cancel; obsolete.	
21495-A	Balsam , crude, NOI, etc...☒Cancel; obsolete.	
	Bark or Root , sassafras, chipped, shredded or ground, etc...☒Cancel; obsolete.	
21560-A	BARKS: subject to item 21500 Fir , ground or powdered, etc...☒Cancel; obsolete.	
21620-A	Redwood , shredded, etc...☒Cancel; obsolete.	
22170-A	BASKETS OR HAMPERS: subject to item 22150 Banana Shipping , sheet or stave veneer, etc...☒Cancel; obsolete.	
22172-A	NOTE—☒Cancel; no further application.	
22300-A	Berry, Fruit or Vegetable Shipping , NOI: ...☒Cancel; obsolete.	
22310-A	Fiberboard, with covers, covers detached, etc...☒Cancel; obsolete.	
22320-A	Fiberboard and wood combined, with covers, covers detached, bodies nested, etc...☒Cancel; obsolete.	
22330-A	Sheet or stave veneer, without covers or with covers detached, bodies nested, etc...☒Cancel; obsolete.	
22332-A	NOTE—☒Cancel; no further application.	
22470-A	Chemically Hardened Fiber , etc...☒Cancel; obsolete.	
22472-A	NOTE—☒Cancel; no further application.	
22920-A	Bauxite (Beauxite) , causticized, etc...☒Cancel; obsolete.	
23160-A	BEE GROUP: subject to item 23140 Bees , in hives, etc...☒Cancel; obsolete.	
23162-A	NOTE—☒Cancel; no further application.	
23260-A	Honey Section Frames , KD, etc...☒Cancel; obsolete.	
23360-A	Belts, cartridge, or Hand Grenade Carriers , etc...☒Cancel; obsolete.	
23880-A	BLACKS, DRY: subject to item 23800 Fertilizer Blacks , ►in bags, drums or Package 115	50
23900-A	Blacks, viz.: Carbon gas; Lamp; Oil; Density of 17 pounds or greater per cubic foot as packaged in boxes, doublewall paper bags, drums or steel cans not less than five gallon capacity; in ►Package 115; see Note, item 23910.....	77.5
△23910-A	NOTE—Density must be shown by the shipper on the bill of lading and shipping order at time of shipment. If density is not shown and shipment is inadvertently accepted, charges will initially be assessed under the provisions of item 23940. Upon satisfactory proof of actual density, freight charges will be adjusted accordingly.	
23940-A	Carbon Gas Black , NOI, Oil Black , NOI, Lamp Black , NOI, or Vegetable Black , NOI, not offered for transportation as a Hazard Class 4, ►in boxes, doublewall paper bags, drums or Package 115	85

ITEM	ARTICLE	CLASS
	BOAT GROUP: subject to item 24500	
24740-A	Cowls or Ventilators , NOI, ship's deck or engine room, etc...☒Cancel; obsolete.	
24742-A	NOTE—☒Cancel; no further application.	
24910-A	Knees , in the rough...☒Cancel; obsolete.	
25120-A	Ribs , wooden, etc...☒Cancel; obsolete.	
25331-A	Bobbins , shuttle, industrial sewing machine, paperboard or pulpboard, etc...☒Cancel; obsolete.	
	BOILERS, FURNACES, STOVES AND RELATED ARTICLES GROUP: subject to item 25400	
	Boiler Parts , iron or steel: subject to item 25520	
25610-A	Fronts ...☒Cancel; obsolete.	
26490-A	☛ Heaters , refrigerator car, sheet iron...☒Cancel; obsolete.	
27140-A	Stove Shields , etc...☒Cancel; obsolete.	
27660-A	Tanks , oil stove, sheet steel, 26 gauge or thicker, capacity not exceeding 5 gallons, etc...☒Cancel; obsolete.	
28705-A	Bottoms , golf club bag, rubber, other than cellular, expanded or foam rubber, etc...☒Cancel; obsolete.	
	BOX GROUP: subject to item 28900	
	Boxes: subject to item 28940	
29090-A	Cheese Shipping , cylindrical, fiberboard, not exceeding 16 ¹ / ₄ inches inside diameter or 12 inches inside height...☒Cancel; obsolete.	
	BRASS, BRONZE OR COPPER: subject to item 30100	
30300-A	Borings or Turnings , etc...☒Cancel; obsolete.	
30400-A	Copper Scale , etc...☒Cancel; obsolete.	
30860-A	Sweepings , etc...☒Cancel; obsolete.	
30900-A	Washings , etc...☒Cancel; obsolete.	
	BRICK GROUP: subject to item 32000	
32280-A	Cement or Mortar , furnace or kiln lining or high temperature bonding, NOI, see Note, item 32282:	
Sub 1	In pails having a capacity of less than 3 gallons	60
Sub 2	In containers in boxes or drums, or in pails or metal cans in crates	55
Sub 3	In bulk in bags, boxes or drums, ►in Packages 146 or 2352, or in pails having a capacity of 3 gallons or greater, see Note, item 32284.....	50
△32282-A	NOTE—Applies only on cement or mortar of the kind used in kilns or industrial furnaces.	
△32284-A	NOTE—Cement or mortar, carbon, in solid form, four inches or over in diameter or thickness, may be shipped loose.	
32570-A	Stove Lining Composition , NOI, powdered, etc...☒Cancel; obsolete.	
32590-A	Supports or Props , mine, concrete...☒Cancel; obsolete.	
	BROOMS GROUP: subject to item 32770	
32850-A	Broom Ferrules or Locks , iron or tin, nested, etc...☒Cancel; obsolete.	
	BUILDING MATERIALS, MISCELLANEOUS, GROUP: subject to item 33570	
34090-A	Culvert End Sections , flared, aluminum, without collars, rods or bands attached, etc...☒Cancel; obsolete.	
34092-A	NOTE—☒Cancel; no further application.	
34120-A	Culvert End Sections , flared, plate or sheet steel, with collars, rods or bands attached, SU, etc...☒Cancel; obsolete.	
	BUILDING METALWORK GROUP: subject to item 35600	
35930-A	Capping , roof, copper, lead or zinc, etc...☒Cancel; obsolete.	
36700-A	Jalousies , aluminum, with glass or aluminum louvers, with or without screens, etc...☒Cancel; obsolete.	
36712-A	NOTE—☒Cancel; no further application.	
36750-A	Latticework , NOI, etc...☒Cancel; obsolete.	
36800-A	Mail Chutes , etc...☒Cancel; obsolete.	
37150-A	Skylight Frames , copper or copper and iron or steel combined, etc...☒Cancel; obsolete.	
37200-A	Spandrels , cast iron or steel...☒Cancel; obsolete.	
37300-A	Valleys , roof, copper, lead or zinc, etc...☒Cancel; obsolete.	
37310-A	Valleys , roof, iron, steel or tin plate, etc...☒Cancel; obsolete.	
	BUILDING GROUP: subject to item 38400	
38600-A	Self-Service Postal Units or Substations , KD, etc...☒Cancel; obsolete.	
	BURIAL CASE GROUP: subject to item 38800	
38840-A	Burial Case or Casket Interior Trimmings , etc...☒Cancel; obsolete.	
38950-A	Caskets or Coffins , wooden, in the white, KD, bodies nested, etc...☒Cancel; obsolete.	
38960-A	Catafalques , wooden, with cloth covered or glass panels, SU, etc...☒Cancel; obsolete.	
38965-A	Containers , overseas shipping, for casketed remains, wood, KD, etc...☒Cancel; obsolete.	
38966-A	NOTE—☒Cancel; no further application.	
	CARBON: subject to item 40550	
40560-A	☛ Activated , viz.: Absorbent, clarifying, decolorizing, deodorizing or purifying, not offered for transportation as a Hazard Class 4, ►in cloth or four-ply paper bags, Item 201 bags, boxes or drums.....	70
42600-A	CHEMICALS GROUP: see ►Note, item 42603	
△42603-A	NOTE—Commodities listed under this generic heading when tendered for shipment in Package 2452 are to be classified under the same provisions that apply when tendered to the carrier in boxes.	
42604-A	NOTE—☒Cancel; no further application.	
42620-A	Acetanilid:	
Sub 1	In containers in boxes	85
Sub 2	►In bulk in boxes or drums	70
►42647-A	Acids , NOI, dry, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 42649:	
Sub 1	In inner containers in boxes	92.5
Sub 2	In bulk in boxes, drums, five-ply paper bags, Item 201 bags or Package 2264	85

ITEM	ARTICLE	CLASS
	CHEMICALS GROUP: subject to item 42600	
►42648-A	Acids , NOI, liquid, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 42649:	
Sub 1	In carboys	100
Sub 2	In inner containers in boxes	92.5
Sub 3	In bulk in drums	85
★42649	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.	
42655-A	Adipic Acid , ►in bulk in boxes, in bags made of free dried Kraft paper complying with Item 200, in drums, or in Package 2037	65
42920-A	☼ Ammoniacal Liquor or Aqua Ammonia , NOI:	
Sub 1	In bulk in drums or Packages 602 or 2399	50
Sub 2	►In inner containers in boxes, or in metal cans in crates	55
Sub 3	In plastic carboys	70
Sub 4	►In carboys other than plastic carboys	100
43490-A	Beta Naphthol , ►in drums, in cloth bags with double lining of waterproof paper, or in Package 353	85
►44155-A	☼ Corrosive Materials , NOI, see Note, item 44156, in U.S. DOT-authorized packaging:	
Sub 1	In Packing Group I	92.5
Sub 2	In Packing Group II	85
Sub 3	In Packing Group III	70
△44156-A	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 8, Corrosive Material, as defined in 49 CFR §173.136 and required to bear a notice to that effect on bills of lading and packaging.	
►44500-A	☼ Flammable Liquids , NOI; or Combustible Liquids in bulk containers with a maximum capacity greater than 119 gallons, NOI; see Note, item 44501, in U.S. DOT-authorized packaging:	
Sub 1	In Packing Group I	100
Sub 2	In Packing Group II	92.5
Sub 3	In Packing Group III	85
△44501-A	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 3: Flammable Liquid; or Combustible Liquid in bulk containers; as defined in 49 CFR §173.120 and required to bear a notice to that effect on bills of lading and packaging.	
►44515-A	☼ Flammable Solid, Spontaneously Combustible or Dangerous When Wet Materials , NOI, see Note, item 44516, in U.S. DOT-authorized packaging:	
Sub 1	Offered for transportation as a Hazard Class 4, Division 4.3:	
Sub 2	In Packing Group I	110
Sub 3	In Packing Group II	100
Sub 4	In Packing Group III	92.5
Sub 5	Offered for transportation as a Hazard Class 4, Division 4.2:	
Sub 6	In Packing Group I	150
Sub 7	In Packing Group II	92.5
Sub 8	In Packing Group III	85
Sub 9	Offered for transportation as a Hazard Class 4, Division 4.1:	
Sub 10	In Packing Group I	125
Sub 11	In Packing Group II	85
Sub 12	In Packing Group III	77.5
△44516-A	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 4: Division 4.1, Flammable Solid, other than Self-reactive Material; Division 4.2, Spontaneously Combustible Material; or Division 4.3, Dangerous When Wet Material; as defined in 49 CFR §173.124 and required to bear a notice to that effect on bills of lading and packaging. For classes applicable to Self-reactive Material, see item 46047.	
►44570-A	Furfural , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 44571, in drums	70
★44571	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.	
	Iron: subject to item 44670	
44720-A	☼ Chloride (Iron Muriate) , other than crude, liquid:	
Sub 1	In bulk in drums	65
Sub 2	In inner containers in boxes	70
Sub 3	►In glass carboys	100
►45463-A	☼ Organic Peroxides , NOI, see Note, item 45464, in U.S. DOT-authorized packaging:	
Sub 1	Requiring temperature control per U.S. DOT regulations	200
Sub 2	Not requiring temperature control per U.S. DOT regulations:	
Sub 3	Type B	200
Sub 4	Type C	125
Sub 5	Type D	110
Sub 6	Type E	100
Sub 7	Type F	92.5
△45464-A	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.	
►45467-A	☼ Oxidizers , NOI, see Note, item 45468, in U.S. DOT-authorized packaging:	
Sub 1	In Packing Group I	125
Sub 2	In Packing Group II	100
Sub 3	In Packing Group III	85

ITEM	ARTICLE	CLASS
	CHEMICALS GROUP: subject to item 42600	
△45468-A	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 5, Division 5.1, Oxidizer, as defined in 49 CFR §173.127 and required to bear a notice to that effect on bills of lading and packaging.	
45480-A	Paraphenyl Phenol , ► in drums	77.5
►45615-A	☣Poisonous or Toxic Materials , see Note, item 45616, in U.S. DOT-authorized packaging:	
Sub 1	In Packing Group I:	
Sub 2	Poisonous by inhalation.....	150
Sub 3	Other than poisonous by inhalation	125
Sub 4	In Packing Group II	85
Sub 5	In Packing Group III	70
45616-A	NOTE—Applies on materials ►regulated by the U.S. Department of Transportation as a Hazard Class 6, Division 6.1, Poisonous or Toxic Material, as defined in 49 CFR §173.132 and required to bear a notice to that effect on bills of lading and packaging.	
45618-A	NOTE—☒Cancel; no further application.	
45750-A	Potassium (Potash): subject to item 45640	
	Citrate , ► in boxes, drums or Package 2360	77.5
	Sodium (Soda): subject to item 46080	
46290-A	Citrate , ► in bags with waterproof liner, in five-ply paper bags, or in boxes or drums	77.5
►46340-A	Fluoride , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 46341:	
Sub 1	In five-ply multiple-wall paper bags, or in bulk in boxes or drums.....	70
Sub 2	In inner containers in boxes or drums.....	77.5
★46341	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.	
►46360-A	Hydrosulfide (Sodium Hydrosulfate or Sodium Sulfhydrate) , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 46361, in drums or in woven polypropylene bags complying with Item 200 and having a moisture barrier	55
★46361	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.	
	Tar Products: subject to item 46790	
►46920-A	Dye Intermediates , NOI, not dyestuffs, NOI, dyes nor colors, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 46921, in boxes, drums or intermediate bulk containers (IBCs).....	77.5
★46921	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.	
46990-A	☣Paradichlorobenzene (Paradichlorobenzol) or Tetrachloronaphthalene , see Note, item 46992, ► in boxes or drums	70
△46992-A	NOTE—When packaged in a manner representing the product as an insecticide, it will be classed as insecticides, other than agricultural, NOI.	
50155-A	☣Compounds, fireproofing, or Flame Retardants:	
Sub 1	Liquid, NOI:	
Sub 2	In carboys	100
Sub 3	In boxes or drums	70
Sub 4	Dry, see Note, item 50157, ► in bags, in Package 2301, or in block form in Package 2273.....	50
△50157-A	NOTE—Applies only on compounds containing not less than 65 percent by weight of ammonium sulfate and diammonium or monammonium phosphate.	
50180-A	Compounds , foundry core, NOI; dry, ► in bags, drums or Package 2350; or liquid, in drums.....	55
50185-A	Compounds , foundry molding sand treating:	
Sub 1	Liquid, in drums	55
Sub 2	Dry, ► in boxes or drums.....	65
►50240-A	Compounds , metal annealing or tempering, NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 50241, in boxes or drums	70
★50241	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.	
►50260-A	Compounds , motor fuel antiknock, NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 50261, in steel cans in wooden boxes, or in steel cylinders or drums	100
★50261	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.	
50340-A	Compounds , water clarifying, hardening, purifying or softening, not medicated nor perfumed, NOI:	
Sub 1	Dry, ► in boxes, drums, double bags or Package 2118	65
Sub 2	Liquid or paste, in crates or drums	70
	COOLERS GROUP: subject to item 53000	
53180-A	Refrigerators or Freezers , NOI, with mechanical cooling or freezing apparatus, see Notes, items 53181, 53182 and 53183, ► in boxes, crates or Packages 107, 147, 178, 1012, 1019, 1024, 1056, 1082, 1215, 1329, 1426, 2262, 2408, 2422, 2424, 2427, 2461, 2482, 2487, 2492, 2503, 2531 or 2538	150
△53181-A	NOTE—Applies on the articles named, equipped with mechanical cooling or freezing apparatus, whether shipped installed in or attached to the articles or in separate packages.	
△53182-A	NOTE—Also applies on Cooling or Freezing Rooms, or Cooling or Freezing Room Panels or Wall Sections , with mechanical cooling or freezing apparatus.	

ITEM	ARTICLE	CLASS
△53183-A ►57100-A	NOTE—Also applies on Refrigerators and Ranges, Ovens or Sinks combined. Deodorants , NOI, other than contained in or in the form of decorations, novelties or ornaments, see Note, item 57101, or Disinfectants , NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Notes, items 57102 and 57103:	
Sub 1	In carboys.....	100
Sub 2	In inner containers in boxes or Package 2341	85
Sub 3	In bulk in drums, pails or Packages 2213, 2452 or 2473	60
△57101-A	NOTE—Does not apply on deodorants contained in or in the form of decorations, novelties or ornaments. For applicable classes, see item 56290.	
57102-A	►NOTE—Does not apply on toilet preparations nor on deodorants or disinfectants that are medicinal.	
★57103	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.	
	DRUGS, MEDICINES, TOILET PREPARATIONS OR PERSONAL CARE PRODUCTS	
	GROUP: subject to item 58500	
58520-A	Aspirin (Acetylsalicylic Acid) , ►in boxes or drums.....	85
△58692-A	NOTE—Will also apply on packages containing surgical instruments or veterinarian supplies not in excess of 5 percent of gross weight of package. Where weight of such articles exceeds 5 percent of gross weight of package, Item 640 will apply.	
►58770-A	Drugs or Medicines , NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Notes, items 58692, 58771 and 58772:	
Sub 1	In carboys.....	100
Sub 2	In bags, boxes, drums, pails or Packages 2407 or 2499, see Note, item 58773.....	85
★58771	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.	
△58772-A	NOTE—Will not apply on cocaine, codeine, heroin, morphine or opium, which will not be accepted.	
△58773-A	NOTE—The following departure from packing requirements is permitted: Petroleum jelly, prepared and represented as a remedy, medicine or lubricant for the human body, may be shipped in Package 1000.	
59420-A	Toilet Preparations or Personal Care Products , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 59421, viz.: Cosmetics , NOI, including Eyeliners, Eye Shadow, Face Powder, Foundation, Lip Balm, Lip Gloss, Lipstick or Mascara ; Creams, Lotions, Moisturizers or Oils , body, face or hand, NOI, including Sunscreen or Suntan Lotions or Oils ; Hair Bleaching or Coloring Kits ; Hairspray or Hair Styling Products , including Hair Gel, Mousse, Oil or Wax ; Hand Sanitizers , NOI; Makeup , including Masquerade or Stage Makeup ; Mouthwash ; Nail Polish or Nail Polish Remover ; Shampoo or Conditioner , hair; Shaving Cream, Gel or Soap ; Toilet Preparations , NOI; Toothpaste or Tooth Powder ; ►In boxes, drums, pails or Packages 2189, 2213, 2407, 2411, 2440, 2499, 2500 or 2521, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10.....	125
Sub 2	10 but less than 15	85
Sub 3	15 or greater.....	70
△59421-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.	
►60280-A	Dyestuffs , NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 60281, in boxes or drums	100
★60281	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.	
	ELECTRICAL EQUIPMENT GROUP: subject to item 60500	
62647-A	Phonographs , NOI, or Dictating Machines , other than tape recorders, in boxes or Package 829; or Coin- or Currency-Operated Phonographs (Jukeboxes) , ►in boxes	125
►63570-A	e-Liquid or e-Juice , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Notes, items 63571 and 63572, in boxes	70
△63571-A	NOTE—Applies on liquid, whether or not containing nicotine, used in electronic cigarettes (e-cigs) or electronic nicotine delivery systems for producing vapor and simulating smoking.	
★63572	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.	

ITEM	ARTICLE	CLASS
	FOODSTUFFS GROUP: subject to item 72000	
72040-A	Bakery Goods , other than frozen, etc...☒Cancel; see item 73260.	
72042-A	Bars , fig- or fruit-confection filled, etc...☒Cancel; see item 73260.	
72043-A	NOTE—☒Cancel; no further application.	
72270-A	Brownies , other than frozen, etc...☒Cancel; see item 73260.	
72271-A	NOTE—☒Cancel; no further application.	
△72560-A	Coconut , prepared, NOI, see Note, item 72561, in bags or boxes.....	70
72561-A	NOTE—Does not apply on coconut chips. For applicable provisions, see item ►73260.	
72680-A	Coffee, NOI, Tea, NOI, or Herbal Tea , see Note, item 72681, flavored or unflavored, sweetened or unsweetened, etc...☒Cancel; see item 73260.	
72681-A	NOTE—☒Cancel; see item 73261.	
►73227-A	Foodstuffs , other than frozen, Group I, viz.: 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; Jams, Jellies or Preserves , edible, NOI, also in Packages 1000, 1264, 2288 or 2507; Mincemeat ; Pickles , NOI, see Note, item 73233, also in Packages 579 or 2467; Puddings ; 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; Vegetables , canned or preserved, NOI, other than dried or evaporated, see Note, item 73235, also in Packages 1000, 1264, 2288, 2303, 2438 or 2508; In boxes, crates, drums or Packages 1361, 2463, 2498, 2499 or 2500.....	60
△73229-A	NOTE—Applies on mixtures of dried whey, wheat flour, soya protein concentrate and nonfat dried milk powder.	
△73233-A	NOTE—Applies on nuts or vegetables, NOI, pickled in brine or vinegar, and on fruits, NOI, pickled in vinegar.	
△73235-A	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; Scrapple ; Tomatoes ; Wheat .	
★73260	Foodstuffs , other than frozen, Group IV, viz.: Bakery Goods , NOI, also in Packages 128 or 2428; Coffee, Tea or Herbal Tea , NOI, see Note, item 73261, also in Packages 128, 1306, 2330, 2332 or 2380; Cookies or Crackers , NOI, also in Packages 128, 2387 or 2428; Foodstuffs , NOI; Snack Foods , NOI, also in Package 2387; In bags, boxes, drums or Packages 1000, 1400, 2404, 2414 or 2416, subject to Item 170 and having a density in pounds per cubic foot of: Less than 1..... 1 but less than 2..... 2 but less than 4..... 4 but less than 6..... 6 but less than 8..... 8 but less than 10..... 10 but less than 12..... 12 but less than 15..... 15 but less than 22.5..... 22.5 but less than 30..... 30 or greater.....	400 300 250 175 125 100 92.5 85 70 65 60
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
★73261	NOTE—Also applies on: instant, soluble, freeze-dehydrated or freeze-dried coffee, tea or herbal tea; coffee, tea or herbal tea in premeasured servings, with or without integral filter; or Coffee Service Kits or Sets , consisting of coffee in premeasured servings, with or without integral filter, and with or without non-dairy creamer, sugar or artificial sweetener, stirrers, tea, herbal tea or hot chocolate in same box.	
73270-A	Fortune Cookies , etc...☒Cancel; see item 73260.	
△74450-A	Potatoes , cooked or dried and diced, powdered, shredded or sliced, see Note, item 74451, without other ingredients, or with other ingredients in same inner retail package, in bags, boxes or Packages 128 or 2185.....	65
74451-A	NOTE—Does not apply on potato chips, crisps or sticks. For applicable provisions, see item ►73260.	

ITEM	ARTICLE	CLASS
	FOODSTUFFS GROUP: subject to item 72000	
►74495-A	Prepared Foods , cooked or not cooked, dry or other than dry, viz.: Bouillon, Broths or Cooking Stock; Pasta or Noodles , including Chow Mein Noodles, Macaroni, Spaghetti or Vermicelli , with or without other ingredients; Quinoa; Rice , cleaned or prepared, NOI, with or without other ingredients, also in bags; Soups or Soup Mixes , including Chowders; Stews , including Chili; In boxes, drums or Packages 128, 223, 510, 1000, 1500, 2093, 2231, 2421, 2425, 2463, 2498, 2499, 2500 or 2507, 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 but less than 22.5.....	70
Sub 4	22.5 or greater.....	60
74800-A	Snack Foods , flavored or not flavored, etc...☒Cancel; see item 73260.	
74801-A	NOTE—☒Cancel; no further application.	
74910-A	Sugar , beet or cane, other than raw, ►in bags, boxes or Packages 969 or 1350.....	55
	FURNITURE GROUP: subject to item 79000	
►82285-A	Sneeze Guards or Food Shields , see Note, item 82286, in boxes or crates:	
Sub 1	Greatest dimension exceeding 96 inches, 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 6.....	200
Sub 4	6 but less than 8.....	175
Sub 5	8 or greater.....	92.5
Sub 6	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 7	Less than 4.....	250
Sub 8	4 but less than 6.....	175
Sub 9	6 but less than 8.....	150
Sub 10	8 or greater.....	85
82286-A	NOTE—Applies on ►barriers, including panels, screens or canopies, to protect food or humans from exposure to infectious germs spread by sneezing, coughing, talking and the like.	
	FURNITURE PARTS GROUP: subject to item 82750	
83390-A	Rods , crib, iron or steel, plain or coated or plated, etc...☒Cancel; obsolete.	
	GLASS: subject to item 86500	
86540-A	Aircraft Glass , cut to shape, 120 united inches or less, bent or not bent, ►in boxes, crates or Packages 1180 or 1247	85
►86700-A	Glass , flat, bent or not bent, NOI, see Notes, items 86701 and 86702, in boxes, crates or Packages 235, 785, 2008, 2025, 2147, 2149, 2160, 2239, 2245, 2281 or 2497:	
	Greatest dimension exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 4.....	400
Sub 2	4 but less than 6.....	300
Sub 3	6 but less than 8.....	200
Sub 4	8 but less than 12.....	125
Sub 5	12 but less than 15.....	100
Sub 6	15 but less than 22.5.....	85
Sub 7	22.5 or greater.....	70
Sub 8	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 9	Less than 4.....	300
Sub 10	4 but less than 6.....	250
Sub 11	6 but less than 8.....	175
Sub 12	8 but less than 12.....	110
Sub 13	12 but less than 15.....	92.5
Sub 14	15 but less than 22.5.....	77.5
Sub 15	22.5 or greater.....	65
86701-A	NOTE—The term 'flat ►glass' applies to glass known as sheet, plate, polished prism, rolled, window or float glass, whether or not polished, laminated, colored, opalescent, opaque, chipped, decorated, wired, etched, figured, acid dipped, ground, sandblasted, metalized (sprayed with atomized metal while glass is hot), ►silvered for mirrors or tempered, but not when flashed, nor framed or leaded (set in or framed by lead or other metal).	
△86702-A	NOTE—Flat glass, not bent, may also be cut to size, edges beveled or ground, or holes cut or drilled.	
86900-A	Glass , silvered for mirrors, not framed, nor backed nor equipped with hangers or fastening devices, etc...☒Cancel; see item 86700.	
86902-A	NOTE—☒Cancel; no further application.	

ITEM	ARTICLE	CLASS
	GLASSWARE GROUP: subject to item 87500	
88160-A	Glassware , NOI, with or without components or trim of other materials, ►in boxes or Packages 213, 1346 or 2089, released to a value not exceeding \$19.00 per pound, see Note, item 88161, 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
△88161-A	NOTE—Unless otherwise provided in individual participating carriers' tariffs, glassware moving under the provisions of item 88160 shall only be accepted subject to a maximum liability of \$19.00 per pound. If shipper fails to declare a value, or declares a value in excess of \$19.00 per pound, shipment will not be accepted, but if the shipment is inadvertently accepted, it will be considered as being released to a value not exceeding \$19.00 per pound and the shipment will move subject to such limitation of liability. In no instance will carriers' liability exceed the actual value of the glassware lost or damaged.	
	HARDWARE GROUP: subject to item 92900	
96360-A	Rods , crib, iron or steel, plain, cadmium or zinc coated or nickel plated, etc...☒Cancel; obsolete.	
	LAMPS OR LIGHTING GROUP: subject to item 109000	
109700-A	Lamps or Lighting Fixtures , see Notes, items 109701, 109702, 109703 and 109704, viz.: Floor Standing Lamps , with or without integral tray, also in Package 817; Fluorescent or High Intensity Discharge (HID) Lighting Fixtures , NOI, with equipment of transformer or ballast, also ►in Packages 233, 790, 919, 1406, 2228, 2312, 2477 or 2533, see Note, item 109705; Housings , recessed incandescent lighting fixture; Lamps , artificial sunlight, heating or therapeutic; Lamps , NOI, also in Packages 794, 817, 1424, 1467, 2204 or 5F; Lighting Fixtures , NOI; Parts , lamp, lantern or lighting fixture, NOI; String Lights or Rope Lights , including Christmas or Holiday String Lights or Rope Lights ; In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of, see Note, item 109706:	
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
△109701-A	NOTE—One lightbulb (light bulb) for each socket may be included in same box with lamp or lighting fixture.	
△109702-A	NOTE—The quantity of globes, shades, reflectors or similar devices must not exceed the number required to equip the articles with which shipped.	
△109703-A	NOTE—Lighting fixtures are lighting devices designed for permanent wiring to walls, ceilings, floors, posts or other similar mountings.	
△109704-A	NOTE—Does not apply on electric lighting fixtures equipped with posts or poles exceeding 96 inches in greatest dimension. Provisions for such lighting fixtures are found in item 161145.	
△109705-A	NOTE—Accompanying equipment of iron or steel or plastic reflectors may be in packages.	
△109706-A	NOTE—When lamps or lighting fixtures and their complement of globes, shades or reflectors are in separate packages, the density for determining the applicable provisions must be the result of the division of the total weight of all packages by the total cubage (cubic displacement) of all such packages.	

ITEM	ARTICLE	CLASS
	MACHINERY GROUP: subject to item 114000 Business or Office: subject to item 115700 Machines, Systems or Devices, data processing, or Components, Parts or Peripherals thereof, see Note, item 116033, viz.: Automated Teller Machines (ATMs); Cartridges, ink, dry ink or toner, copier, printer or facsimile (fax) machine, including Optical Photo Cartridges, see Notes, items 116035, 116036 and 116037; Computers, including Personal Computers, Laptops, Notebooks or Tablets, or Components, Parts or Peripherals thereof, NOI; Copiers, Printers, Scanners or Facsimile (Fax) Machines, or Components or Parts thereof, NOI, see Note, item 116034, also in Package 2534; Electronic Telephone Switching Systems, or Components thereof; Machines, Systems or Devices, data processing, or Components, Parts or Peripherals thereof, NOI; Point-of-Sale (POS) Systems or Cash Registers, or Components or Parts thereof, NOI, see Note, item 116038, also in Package 2132; Servers, or Storage or Networking Devices or Hardware, or Components or Parts thereof, NOI; Software, NOI, data processing machine, system or device; ▶ In boxes, crates or Packages 2253, 2254, 2286 or 2291, released to a value not exceeding \$25.00 per pound, see Note, item 116031, 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
△ 116031-A	NOTE—Unless otherwise provided in individual participating carriers' tariffs, articles moving under the provisions of item 116030 shall only be accepted subject to a maximum liability of \$25.00 per pound. If shipper fails to declare a value, or declares a value in excess of \$25.00 per pound, shipment will not be accepted, but if the shipment is inadvertently accepted, it will be considered as being released to a value not exceeding \$25.00 per pound and the shipment will move subject to such limitation of liability. In no instance will carriers' liability exceed the actual value of the article lost or damaged.	
△ 116033-A	NOTE—Does not apply on: (1) Cellular or radio telephones, including smartphones. For cellular or radio telephones, including smartphones, see item 62820, 'Radio-telephone Transmitting or Transmitting and Receiving Sets,' for provisions based on released value, and item 62850, 'Radio-telephones, cellular (Cellular Telephones),' for provisions not based on released value. (2) Video, computer or multimedia monitors or displays. For 'Video, Computer or Multimedia Monitors or Displays,' see item 63321.	
△ 116034-A	NOTE—Also applies on stand-alone copiers, or components or parts thereof, that are not a part of a computer or data processing network or system.	
△ 116035-A	NOTE—Applies on ink, dry ink or toner cartridges whether full or containing residue.	
△ 116036-A	NOTE—Also applies on ink, dry ink or toner cartridges with integral drum unit.	
△ 116037-A	NOTE—Also applies on ink, dry ink or toner cartridges being shipped for recycling or disposal.	
△ 116038-A	NOTE—Also applies on stand-alone point-of-sale systems or cash registers, or components or parts thereof, that are not a part of a computer or data processing network or system. Laundry: subject to item 124000 Steam, Commercial or Institutional Type, other than household: subject to item 124225	
124265-A	Dryers or Tumblers, ▶ in boxes, crates or Packages 1019, 1022, 1351, 2386 or 2485, or on skids when weighing each 1,000 pounds or greater MEATS OR SHORTENING GROUP: subject to item 134400	125
△ 134470-A	Cracklings, edible, in boxes or drums, see Note, item 134472.....	65
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 ▶ 73260.	
	NICKEL-SILVER: subject to item 140700	
140940-A	Wire, ▶ in packages.....	60
140942-A	NOTE—☒ Cancel; no further application.	

ITEM	ARTICLE	CLASS
▶144790-A	OILS, OTHER THAN PETROLEUM: subject to item 144600 Compounds , organic (products of ammoniation of fatty acids), not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 144791, viz.: Acetates , fatty amine; Acetates , fatty diamine; Amides , fatty; Amines , fatty; Compounds , fatty quaternary, such as di-fatty dimethyl or fatty trimethyl compounds; Diamines , fatty; Nitriles , fatty; In bags, boxes or drums.....	65
★144791	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.	
▶149520-A	PAINTS GROUP: subject to item 149500 Aluminum or Bronze Powders or Flitters , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 149521, in boxes, drums or Package 2258.....	60
★149521	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.	
155050-A	PESTICIDES GROUP: subject to item 155000 Pesticides , NOI, including Defoliants, Fungicides, Herbicides or Insecticides , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Notes, items 155051 and 155054, ▶in bags, boxes, crates, drums, pails or Packages 602, 2257, 2341 or 2479, see Note, item 155052: Actual value per pound not exceeding \$20.00, see Note, item 155053, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 5.....	200
Sub 2	5 but less than 15.....	92.5
Sub 3	15 but less than 25.....	70
Sub 4	25 but less than 35.....	65
Sub 5	35 or greater.....	55
Sub 6	Actual value per pound exceeding \$20.00, see Note, item 155053, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 7	Less than 5.....	250
Sub 8	5 but less than 15.....	100
Sub 9	15 but less than 25.....	77.5
Sub 10	25 but less than 35.....	70
Sub 11	35 or greater.....	60
Sub 12		
△155051-A	NOTE—One hand sprayer, other than plastic, or plastic having a liquid capacity of one quart or less, may be included in the same shipping container for each inner container, at the provisions applicable herein.	
△155052-A	NOTE—Insecticides or fungicides may be shipped in pails as provided for in Item 258 except that the gross weight may be increased to 62 pounds in 5-gallon size.	
△155053-A	NOTE—Shipper must certify on shipping orders and bills of lading at time of shipment the actual value per pound of the property or the value group embracing the actual value per pound of the property. If the shipper fails to so certify the actual value, shipment will not be accepted, but if the shipment is inadvertently accepted, class will initially be assessed on the basis of the highest valuation provided. Upon proof of lower actual value, class will be adjusted accordingly.	
△155054-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.	
△155126-A	PETROLEUM PRODUCTS GROUP: subject to item 155100 NOTE—Petroleum oil, NOI, petrolatum or petrolatum preparations, prepared and represented as a remedy, medicine or lubricant for the human body, will be classed under the specification for medicines, NOI.	
155250-A	Petroleum Oils, Greases and Related Products , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 155252, viz.: Adhesive or Coating , air filtering element dust arresting; Alcohols , inedible fatty, NOI; Fatty Acid , petroleum; Naphthenic Acid ; Oil , NOI, see Notes, items 155126 and 155255; Paraffin Wax ; Petrolatum, Petroleum Jelly or Petroleum Petrolatum Preparations , see Note, item 155126; Petroleum Distillates or Petroleum Products , NOI; Petroleum Wax ; Transformer Oil ; ▶In bags, boxes, drums or Packages 589, 591, 602, 926, 1000, 1235, 1500, 2096, 2342, 2440, 2445, 2452, 2454, 2473, 2500, 2516, 2526, 2528 or 2530.....	65
△155252-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.	
△155255-A	NOTE—When palletized, lubricating oil may be shipped in Package 1500 modified so that the film enclosure of the completed package may have end openings. End openings must not exceed 1/2 the exposed height of the inner containers.	

ITEM	ARTICLE	CLASS
	PLASTIC MATERIALS, OTHER THAN EXPANDED, GROUP: subject to item 156100	
156200-A	Flakes, NOI, Granules, Lumps, Pellets, Powder or Solid Mass , other than as described in items 46030 and 46032, ►in bags, boxes, drums, pails or Packages 591, 1324, 2203, 2211, 2231, 2264, 2301, 2306, 2317, 2331, 2350, 2500 or 2501	60
156300-A	Sheet or Plate , NOI, self-supporting (rigid), other than with formed interior cells, cavities or flutes, see Note, item 156302, other than in rolls or coils, ►in boxes, crates or Packages 1029, 2187, 2207, 2310 or 2542:	
Sub 1	In authorized packages on A-frame shipping racks, see Note, item 156303	300
Sub 2	In authorized packages not on A-frame shipping racks; or on lift truck pallets or skids; see Note, item 156304:	
Sub 3	Exceeding 220 united inches	85
Sub 4	220 united inches or less, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 5	Less than 30	70
Sub 6	30 or greater	60
△156302-A	NOTE—Applies whether or not corrugated, crimped, channeled or ribbed, but not otherwise curved, bent or formed. Does not apply on sheet or plate with formed interior cells, cavities or flutes.	
△156303-A	NOTE—A-frame shipping racks are designed to transport the product as a unit in a diagonal position.	
△156304-A	NOTE—The term 'united inches' means the sum of the two greatest dimensions of the shipping package.	
	RACKS: subject to item 163900	
164240-A	Horseshoeing Suspensory , etc...☒Cancel; obsolete.	
176370-A	Silica, NOI, Silex, NOI, Dry Colloidal Silica or Amorphous Silica, NOI, or Microsilica , ►in bags, boxes or drums, 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 20	70
Sub 3	20 or greater	50
	SPOOLS: subject to item 177430	
►177450-A	Aluminum, wire shipping, used	70
►178160-A	Stairs or Stairways; Ramps or Gangways; Chutes or Slides; Platforms or Stands; aircraft or marine, portable, see Note, item 178161, in packages, see Note, item 178162:	
Sub 1	Greatest dimension exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 4	500
Sub 3	4 but less than 6	250
Sub 4	6 but less than 8	200
Sub 5	8 or greater	125
Sub 6	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 7	Less than 4	400
Sub 8	4 but less than 6	200
Sub 9	6 but less than 8	175
Sub 10	8 or greater	110
★178161	NOTE—Applies on articles named such as used for the loading, unloading or service of aircraft or marine vessels, or for use in other marine applications.	
►178162-A	NOTE—Articles tendered for shipment on lift truck skids, pallets or platforms must be securely fastened to and must not overhang the edges of the lift truck skid, pallet or platform deck. Exposed surfaces and edges must be completely wrapped with plastic film or corrugated fiberboard or protected by wood or similar material.	
	WOODENWARE OR WOODEN ARTICLES GROUP: subject to item 198340	
199770-A	Towel Rollers , etc...☒Cancel; obsolete.	

SPECIFICATIONS FOR NUMBERED PACKAGES

<input checked="" type="checkbox"/> Cancel; no further application.	Package 19
<input checked="" type="checkbox"/> Cancel; no further application.	Package 23
<input checked="" type="checkbox"/> Cancel; no further application.	Package 37
<input checked="" type="checkbox"/> Cancel; no further application.	Package 46
<input checked="" type="checkbox"/> Cancel; no further application.	Package 85
<input checked="" type="checkbox"/> Cancel; no further application.	Package 106
<input checked="" type="checkbox"/> Cancel; no further application.	Package 133
<input checked="" type="checkbox"/> Cancel; no further application.	Package 183
<input checked="" type="checkbox"/> Cancel; no further application.	Package 195
<input checked="" type="checkbox"/> Cancel; no further application.	Package 198
<input checked="" type="checkbox"/> Cancel; no further application.	Package 200
<input checked="" type="checkbox"/> Cancel; no further application.	Package 210
<input checked="" type="checkbox"/> Cancel; no further application.	Package 220
<input checked="" type="checkbox"/> Cancel; no further application.	Package 221
<input checked="" type="checkbox"/> Cancel; no further application.	Package 245
<input checked="" type="checkbox"/> Cancel; no further application.	Package 247

SPECIFICATIONS FOR NUMBERED PACKAGES

Package 248☒ Cancel; no further application.**Package 255**☒ Cancel; no further application.**Package 264**☒ Cancel; no further application.**Package 266**☒ Cancel; no further application.**Package 301**☒ Cancel; no further application.**Package 310**☒ Cancel; no further application.**Package 352**☒ Cancel; no further application.**Package 359**☒ Cancel; no further application.**Package 360**☒ Cancel; no further application.**Package 600**

In 20-gauge full ►removable head, phenolic resin-lined 30-gallon capacity nonreusable drums marked 'NRC.'

Package 1014☒ Cancel; no further application.**Package 1190**☒ Cancel; no further application.**Package 1291**☒ Cancel; no further application.**Package 1380**☒ Cancel; no further application.**Package 1381**☒ Cancel; no further application.**Package 1388**☒ Cancel; no further application.

SPECIFICATIONS FOR NUMBERED PACKAGES

Package 1425☒Cancel; no further application.**Package 2009**☒Cancel; no further application.**Package 2032**☒Cancel; no further application.**Package 2180**☒Cancel; no further application.**Package 2226**☒Cancel; no further application.**Package 2322**☒Cancel; no further application.**Package 2336**☒Cancel; no further application.**Package 2369**☒Cancel; no further application.**Package 2379**☒Cancel; no further application.**Package 2395**☒Cancel; no further application.**Package 2467**

In fiber drums of five gallons net capacity and not exceeding 60 pounds net weight, constructed generally in accordance with Sec. 2, Note 4 of Item 296 for Type Number 3A. Sidewall must test not less than 500 psi and fiber bottom must be at least 0.080 inch thickness with a test of not less than 600 psi. ►Removable head thermoformed polyethylene insert must be at least 0.010 inch thickness. Top polyethylene cover shall be 0.060 inch minimum thickness, equipped with gasket, and be of self-locking design to provide leak-proof seal without metal band. Bail handle is optional.

DOCUMENTS AND GOVERNING RULES FOR TENDERING SHIPMENTS

ITEM 250100-A

BILLS OF LADING, FREIGHT BILLS AND STATEMENTS OF CHARGES

Sec. 1. Issuance and Requirements.

Sec. 1 (a). Carrier rates subject to the provisions of this Classification are conditioned upon the use of the appropriate bill of lading required by this rule, whether in printed or electronic form. Articles which are precluded by law from being loaded or transported in the same vehicle must be tendered on separate bills of lading.

Sec. 1 (b). When property is transported subject to the provisions of this Classification, either domestic or export, the acceptance and use of the Uniform Straight Bill of Lading or the Straight Bill of Lading—Short Form is required. See Item 250110.

Sec. 1 (c). The Uniform Straight or Straight Bills of Lading are to be used for any shipment not consigned to the order of any corporation, firm, institution or person.

Sec. 1 (d). Not currently used.

Sec. 1 (e). Except as otherwise provided, carriers shall not furnish:

(1) More than one original freight bill and one duplicate thereof.

(2) More than one original and one copy of its statement of transportation charges.

Sec. 1 (f). Except on shipments moving on United States Government bills of lading, if payor of freight or other lawful charges requires or requests any material or information as a prerequisite to payment, such requests will be provided subject to the provisions of applicable carrier tariffs:

Sec. 1 (g). Carriers are not obligated to furnish bills of lading containing information beyond that shown in the examples set forth in the NMFC.

Sec. 1 (h). Consignors may elect to furnish their own bills of lading, provided all requirements of **Sec. 1 (a) through Sec. 1 (c) and Sec. 2** of this Item are observed (see Note 1). (See also, 49 U.S.C. Sections 80110, 80111 and 80113.)

Sec. 1 (i). On bills of lading furnished by carriers, freight bills and statements of charges issued by carriers, the Standard Carrier Alpha Code (SCAC) of the issuing carrier as shown in the Directory of Standard Carrier Alpha Codes, NMF 101 (or as amended), must be shown immediately adjacent to the carrier's name on the document heading. The SCAC designation must be printed in upper-case boldface type.

► **Sec. 1 (j).** When bar coding is used to designate any information required by Sec. 2 of Item 250100 on bills of lading or freight bills, the symbology must be in both machine and human readable form.

Note 1—Consignor provided short form bills of lading need not be in any particular format, but must bear the title Shipper Provided Short Form Bill of Lading—Not Negotiable, as long as the information requirements of Sections 1 and 2 of this Item and Item 359 are observed. Bill of lading must be complete when tendered by the shipper to the carrier for signature. Bills of lading not conforming to the provisions found in this Item are subject to NMFC Items 250110 and 250120.

Sec. 2. Information to be shown on a Bill of Lading.

Sec. 2 (a). The name and address of only one consignor and one consignee and only one destination shall appear on a bill of lading. When a shipment is consigned to a point of which there are two or more of the same name in the same state, the name of the county must be shown.

Sec. 2 (b). Not currently used.

Sec. 2 (c). To insure the assessment of correct freight charges and avoid infractions of federal and state laws, shippers should acquaint themselves with the descriptions of articles in the tariff under which they ship. Commodity word descriptions must be used in bills of lading and shipping papers and must conform to those in the applicable tariff. Appropriate abbreviated descriptions are permitted provided the NMFC item number and appropriate Sub number thereof are shown. The kind of package used must be shown. Bills of lading and shipping papers must specify number of articles, packages, or pieces, and the applicable NMFC class. Except as provided in Item 640, Sec. 3 (mixed packages), for each separate commodity description, the number and type of packages (bags, boxes, bundles, drums, etc.) and the gross weight must be shown. (See 49 U.S.C. Section 80113.)

► **Sec. 2 (d).** Articles subject to the DOT's hazardous materials regulations must be described on bills of lading and shipping papers as shown in those regulations. Abbreviations must not be used, except as authorized in 49 CFR §172.202. When the DOT's hazardous materials regulations description differs from the Classification description, the Classification description must also be shown on bills of lading and shipping papers.

Sec. 2 (e). Unless otherwise provided in carriers' tariffs, shipments requiring special or additional care or attention of any kind (see Note 2) must be so indicated by the shipper on the bill of lading and shipping papers at time of shipment by marking the column labeled "Food Products or Other Materials or Freight requiring additional care or attention (Note 3)." Products requiring special care and attention of any kind should be tendered on separate handling units from other freight in the shipment.

(1) Instructions regarding the care and attention needed for the freight must also be shown in the description area of the bills of lading, on shipping papers and on the handling unit containing such freight.

(2) Shipments requiring protective temperature control may be accepted subject to the availability of suitable equipment when the bills of lading, shipping papers and handling units are clearly and legibly marked in upper-case letters in accordance with the following:

a. Where shipments are subject to damage from freezing, marking must clearly instruct carrier to protect from freezing.

b. Where shipments require maintenance at or below a specific temperature, or movement within a range of temperatures, marking must indicate the temperature or temperature range required. See Item 682.

Note 2—Commodities requiring special or additional care or attention in handling or stowing must have handling units so marked and packaged as to ensure safe transportation with ordinary care. These articles include, but are not limited to: fragile articles; articles that must remain upright; top-heavy articles; articles that require more than normal protection from moisture; articles that must be protected from heat; articles that must be protected from freezing; articles that must be kept within a certain temperature range; articles that must be protected from odor-emitting freight, debris or infestation; articles that must be handled with a hand truck; articles that must not be handled with a hand truck; articles that must be handled with a forklift; articles that must not be handled with a forklift; articles that may be stacked to not exceed a certain height; articles that must not be stacked.

Sec. 2 (f). When shipments consist of packages subject to the same released value provisions and some packages are released as to value and other packages are not released as to value or are released to a different value, the packages and bills of lading must be marked or coded at time of shipment to identify which packages are released and the released value which applies to each package. In lieu of showing the specified information on the bill of lading, the carrier may be furnished a manifest at time of shipment which clearly identifies the packages which are released and the released value of each.

(Continued on following page)

DOCUMENTS AND GOVERNING RULES FOR TENDERING SHIPMENTS

ITEM 250100-A-Continued**Sec. 3. Inspection of Property.**

Sec. 3 (a). When carrier or its agent believes it is necessary to verify the stated description of a shipment as tendered, the carrier or its agent will make or cause such inspection to be made, or require other sufficient evidence to determine the actual character of the property being shipped. If the stated description is found to be inaccurate, the carrier or agent shall correct the description accordingly. Freight charges must be assessed according to proper description, unless otherwise provided. (See 49 U.S.C. Section 80113.)

Sec. 3 (b). Notwithstanding the provisions of Sec. 3 (a), when a shipment is delivered absent of visible or open evidence of damage or loss, carrier personnel or its agent shall not be required to unpack or inspect the contents of a shipment and the driver's departure cannot be delayed pending an inspection of the contents by the consignee, unless authorized by prior mutual written agreement with the carrier or its agent.

► **Sec. 4. Verification of Shipment Weight.** When carrier or its agent believes it is necessary to verify the stated weight of a shipment as tendered, the carrier or agent shall weigh the shipment or cause the shipment to be weighed. If the stated weight is found to be inaccurate, the carrier or agent shall correct the weight accordingly. Freight charges must be assessed on the actual gross weight of the shipment, unless otherwise provided. (See Item 995.) (See also, 49 U.S.C. Section 80113.)

Sec. 5. Insurance Against Marine Risk. The cost of insurance against marine risk will not be assumed by the carrier unless so provided specifically, in its tariffs.

DOCUMENTS AND GOVERNING RULES FOR TENDERING SHIPMENTS

ITEM 250150-A

UNIFORM STRAIGHT BILL OF LADING

ORIGINAL—NOT NEGOTIABLE

Carrier's Pro No. _____

Shipper's Bill of Lading No. _____

Consignee's Reference/PO No. _____

Carrier's Code (SCAC) _____

Name of Carrier _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

From _____ Date _____

Street _____ City _____ County _____ State _____ Zip _____

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as shown below, which said carrier agrees to carry to destination, if on its route, or otherwise to deliver to another carrier on the route to destination. Every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to _____

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name.

Destination Street _____

City _____ County _____ State _____ Zip _____

Consignee's Contact Information _____

Email address and/or phone number

Delivering Carrier _____ Trailer No. _____

Additional Shipment Information _____

Send freight bill to: _____

Company Name _____ Street _____ City _____ State _____ Zip _____

Collect on Delivery \$ _____ and remit to: _____	C.O.D. charge Shipper []
Street _____ City _____ State _____	to be paid by Consignee []

No. & Type of Handling Units	No. & Type of Individual Packages	★ HM	Description of Articles, Packages, Special Marks and Exceptions (Subject to correction) (See NMFC Item 250100 (formerly 360))	Applicable NMFC Item Number & Subprovision	Applicable NMFC Class	Food Products or Other Materials or Freight requiring additional care or attention (Note 3)	Weight (Subject to Correction)	Cube (Optional)

★ Mark "X" to designate Hazardous Materials as defined in USDOT Regulations.

NOTE (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property as follows:

"The agreed or declared value of the property is specifically stated by the shipper to be not exceeding _____ per _____."

NOTE (2) Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

NOTE (3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation with ordinary care. See NMFC Item 250100.

Freight charges are PREPAID unless marked collect.
CHECK BOX IF COLLECT []

FOR FREIGHT COLLECT SHIPMENTS:

If this shipment is to be delivered to the consignee, without recourse on the consignor, the consignor shall sign the following statement:
The carrier may decline to make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Notify if problem enroute or at delivery: _____ Name _____ Tel. No. _____

Shipper _____ Carrier _____
Per _____ Per _____ Date _____

Shipper Certification	Carrier Certification
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per _____ Date _____	Carrier acknowledges receipt of packages and required placards. Carrier certifies emergency response information was made available and/or carrier has the Department of Transportation emergency response guidebook or equivalent document in the vehicle. Per _____ Date _____ No. & Type of Packages _____

DOCUMENTS AND GOVERNING RULES FOR TENDERING SHIPMENTS

ITEM 250150-A-Continued

►UNIFORM STRAIGHT BILL OF LADING TERMS AND CONDITIONS

Sec. 1. (a) The carrier shown as transporting the property described in this bill of lading shall be liable as at common law for any loss or damage to the shipment, except as provided herein.

(b) No carrier shall be liable for any loss or damage caused by an Act of God, the public enemy, the authority of law, the act or default of the shipper, the defect or vice in the property, strikes and labor disputes, or any related causes. The burden to prove negligence is on the shipper.

(c) The shipper is responsible that the packaging of the shipment tendered to the carrier complies with the requirements of the current National Motor Freight Classification (NMFC) for the transportation of that commodity. Failure of the shipper to do so can result in the denial of a claim, in whole or in part, for loss or damage attributable to the failure to tender to the carrier properly packaged freight.

Sec. 2. (a) Unless arranged or agreed to in writing or electronically prior to shipment, the carrier is not required to deliver a shipment by a particular schedule or in time for a particular market, but will transport the shipment in the regular course of its providing transportation services. If such arrangement or agreement exists the carrier shall not be liable for any delay or default in delivery if caused by any of the conditions identified in Sec. 1 (b) above, or from a faulty or impassable highway, construction, congestion or an accident, or by the lack of capacity of a highway, bridge or ferry.

(b) When physical circumstances involving equipment or drivers arise during transit which prevent the carrier from delivering a shipment, the carrier may forward the shipment by another carrier.

Sec. 3. (a) The terms and conditions governing the filing, substantiation and processing of a claim for loss or damage are found in Items 300100 through 300107 of the NMFC. A claim must be filed with the carrier within nine months of the date of the bill of lading, and a civil action must be commenced within two years of the final disposition of the claim by the carrier. Failure to comply with either of the foregoing time limits will result in the carrier not being liable for the claim. If different or additional terms and conditions for handling a loss and damage claim are established in a written agreement between the carrier and the shipper, or in the carrier's tariff, those provisions shall govern the filing, substantiating and processing of a loss or damage claim.

(b) Claims for damage must be filed with the carrier not more than nine (9) months from the date of delivery (or in the case of export traffic, not more than nine (9) months after delivery at the port of export, or in the case of import traffic, not more than nine (9) months after pickup at the place of tender). Claims for loss must be filed with the carrier not more than nine (9) months from the date of the bill of lading.

Sec. 4. (a) If the property is stopped and held in transit upon request of the shipper, owner or party entitled to make such request, or the consignee refuses the shipment tendered for delivery by carrier or if carrier is unable to deliver the shipment, because of fault or mistake of the consignor or consignee, the carrier's liability shall then become that of a warehouseman. Carrier shall promptly attempt to provide notice, by telephonic or electronic communication as provided on the face of the bill of lading, if so indicated, to the shipper or the party, if any, designated to receive notice on this bill of lading. Storage charges, based on carrier's tariff, shall start no sooner than the next business day following the attempted notification. Storage may be, at the carrier's option, in any location that provides reasonable protection against loss or damage. The carrier may place the shipment in public storage at the owner's expense and without liability to the carrier.

(b) If the carrier does not receive disposition instructions within 24 hours from the time of the carrier's attempted telephonic or electronic notification, carrier shall advise that if it does not receive disposition instructions within five (5) days of that notification, carrier has the right to offer the shipment for sale, and carrier may sell the property under such circumstances as may be authorized by law.

(c) When perishable goods cannot be delivered and disposition instructions are not given within a time that is reasonable depending upon the nature, purpose, and circumstances of the shipment, the carrier may dispose of the property in a manner that the carrier deems best serves its disposition.

(d) Absent carrier negligence, a carrier does not bear the risk of loss or damage after unloading the shipment or tendering a trailer for consignee unload if the freight is delivered in the quantity and condition tendered to the carrier, and is in compliance with the carrier-accepted terms and conditions on the bill of lading, or in a written contract between the parties to the transportation arrangement.

Sec. 5. (a) In the event of loss or damage, when one or more articles, packages or pieces of property are tendered individually or secured or unitized for shipment under one bill of lading, and where a released value has been stated in writing by the shipper on the bill of lading or is established in the applicable carrier's tariff, the carrier's maximum liability will be determined by multiplying the released value times the weight of each individual article, package or piece lost or damaged, not on the total weight of the handling unit or the shipment.

(b) No carrier hereunder will carry or be liable in any way for any financial and commercial documents, currency, or for any articles of extraordinary value not specifically classified in the NMFC or tariffs unless an agreement in writing between the carrier and the shipper which specifically identifies and authorizes the transportation of such articles to do so and a stipulated value of the articles are endorsed on this bill of lading.

Sec. 6. Every party, whether principal or agent, who ships explosives or dangerous goods, without previous full written disclosure to the carrier of their nature, shall be liable for and indemnify the carrier against all loss or damage caused by such goods. Such goods may be warehoused at owner's risk and expense or destroyed without compensation.

Sec. 7. (a) The consignor, consignee, or shipper shall be liable for the freight and other lawful charges accruing on the shipment, as billed or corrected as specified in 49 U.S.C. §13710, except that collect shipments may move without recourse to the consignor or shipper when the consignor or shipper so stipulates by signature or endorsement in the space provided on the face of the bill of lading. Nevertheless, the consignor, shipper or consignee shall remain liable for transportation charges where there has been an erroneous determination of the freight or other lawful charges assessed based upon incomplete or incorrect information provided by the consignor, consignee or shipper.

(b) Notwithstanding the provisions of subsection (a) above, the consignee's liability for payment of additional charges that may be found to be due after delivery shall be as specified by 49 U.S.C. §13706, except that the consignee need not provide the specified written notice to the delivering carrier if the consignee is a for-hire carrier.

(c) In compliance with the carrier's legal duties under 49 U.S.C. Section 80113, the Federal Bill of Lading Act, 49 U.S.C. Section 13708, Billing and Collecting Practices, and 49 U.S.C. Section 14706, Liability of Carriers under Receipts and Bills of Lading, the carrier has the right to inspect any shipment tendered to it for transportation.

(d) If the description of the articles, including weight or density of shipments, or other information on this bill of lading is found to be incorrect or incomplete, the freight charges must be paid based upon the articles actually shipped.

Sec. 8. (a) No agent of the shipper or other third party shall have the power to waive or vary any of the terms of this or any bill of lading, unless such waiver or variation is in writing and is specifically authorized or ratified by the shipper and the carrier.

(b) If this bill of lading is issued on the order of the shipper or its agent, with shipper and carrier authorization, in exchange or in substitution for a prior bill of lading, the signature of the shipper or its agent on the prior bill of lading, or in connection with the prior bill of lading, as to a statement of value or the election of the applicable liability shall be considered as part of and the same as if they were written on or made in connection with this bill of lading.

Sec. 9. When a written contract has been negotiated and executed by the shipper, or its agent, and the carrier for the services provided, the terms and conditions set forth in the bill of lading which are not covered in the contract, and are not in conflict with its provisions, also govern the transportation services provided for the shipment.

PROCEDURES GOVERNING THE INVESTIGATION AND DISPOSITION OF FREIGHT CLAIMS FOR LOSS OR DAMAGE

ITEM 300100-A

APPLICATION

These procedures govern the processing of claims for loss or damage to property transported or accepted for transportation, in interstate or foreign commerce, by motor carriers, subject to 49 USC Subtitle IV, part B, that participate in the National Motor Freight Classification.

► Claims for loss or damage involving shipments moving over water to or from a United States port in foreign trade on a through bill of lading are subject to the "Carriage of Goods by Sea Act," (COGSA) 46 USC §30701, and govern the liability of the motor carrier.

ITEM 300105-A

FILING OF CLAIMS

(a) Compliance with Regulations. A claim for loss or damage to cargo will not be voluntarily paid by a carrier unless filed as provided in subparagraph (b) below, with the receiving or delivering carrier, or carrier issuing the bill of lading, or carrier on whose line the alleged loss or damage occurred, within the specified time limits applicable thereto and as otherwise may be required by law, the terms of the bill of lading or other contract of carriage, and all tariff provisions applicable thereto.

(b) Minimum Filing Requirements. A written or electronic communication from a claimant, filed with a proper carrier within not more than nine (9) months from the date of delivery in the event of a damage claim, and not more than nine (9) months from the date of the bill of lading in the event of loss, at a minimum shall be accompanied by the following documents and/or information:

1. A copy of the bill of lading or facts sufficient to enable the carrier to whom the notice of the claim is submitted to identify the shipment(s) of property alleged to have been lost or damaged,
2. Facts and documents upon which the claimant's assertion of carrier liability for the alleged damage or loss is based,
3. A specified or determinable amount of money for the alleged damage or loss, and the documents and/or information establishing the basis for that amount of money.

► **(c) Actual Loss or Damage.** Unless a reduced valuation is established or agreed to by the carrier for the commodity shipped, carrier liability, as set forth in Section 14706(a) of 49 U.S.C., shall be for the actual loss or damage to the property. Actual loss or damage to the property is based on each article, package or piece shipped. Whether one or more articles, packages or pieces of property are tendered individually or secured or unitized for shipment, carrier liability will be determined based on the weight of each individual article, package or piece lost or damaged, and not on the total weight of the handling unit or shipment. The term 'package' means any shipping container authorized by the provisions of the National Motor Freight Classification, or those permitted in the individual carrier's tariff, applicable on the involved articles on the date of shipment.

► **(d) Documents Not Constituting Claims.** Appraisal reports of damage, notations of shortage or damage, or both, on freight bills, delivery receipts, or other documents, or inspection reports issued by carriers or their inspection agencies, whether the extent of loss or damage is indicated in dollars and cents or otherwise, shall, standing alone, not be considered by carriers as sufficient to comply with the minimum claim filing requirements specified in paragraph (b) of this section.

► **(e) Claims Filed for Uncertain Amounts.** Whenever a claim is presented against a proper carrier for an uncertain amount, such as "\$100.00 more or less," the carrier against whom such claim is filed shall determine the condition of the shipment involved at the time of delivery by it, if it was delivered, and shall ascertain as nearly as possible the extent, if any, of the loss or damage for which it may be responsible. It shall not, however, voluntarily pay a claim under such circumstances unless and until a formal claim for a specified or determinable amount of money shall have been filed in accordance with the provisions of paragraph (b) of this section.

► **(f) Other Claims.** If investigation of a claim develops that one or more other carriers has been presented with a similar claim on the same shipment, the carrier investigating such claim shall communicate with each such other carrier and, prior to any agreement entered into between or among them as to the proper disposition of such claim or claims, shall notify all claimants of the receipt of conflicting or overlapping claims and shall require further substantiation on the part of each claimant of their title to the property involved or their right with respect to such claim.

► **(g) Delivery Receipt.**

1. A shipping container(s) or package(s) showing any external signs of damage when received by the consignee is to be noted on the delivery receipt and such shipping container or package is to be opened promptly and the contents inspected by the consignee.
2. Possession of a signed delivery receipt, with no exceptions or damage noted thereon, shall be prima facie evidence that the carrier has successfully discharged its obligations under Section 14706 of 49 USC.

► **(h) Civil Action.** A civil action must be filed not more than two (2) years from the date on which the carrier provided written or electronic notice disallowing all or part of the claim.

CARRIER BEST PRACTICES**★ITEM 500200****APPLICABILITY OF LIFTGATE SERVICE**

When not specified on the bill of lading, the carrier may achieve pickup and/or delivery of a shipment utilizing a liftgate when the pickup and/or delivery location does not have a trailer-height loading dock as set forth in Item 500100. Additionally, if in the carrier's judgment, the shipment may not be safely loaded or unloaded because of its size, weight, configuration or other characteristic, the carrier may, based on that assessment, require the use of a liftgate. In such circumstances, additional charges may apply.

EXPLANATION OF ABBREVIATIONS AND REFERENCE MARKS

Abbreviation or Reference Mark	Explanation	Abbreviation or Reference Mark	Explanation
ASTM	ASTM International	Sec.	Section
Avdp.	Avoirdupois	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 change
L	liter	☒	Indicates cancelation of item or package
lbs.	pounds	⚠	Indicates that the item is being brought forward without change
m	meter(s)	★	Indicates new item, package or participating carrier
ml	milliliter(s)	Ⓐ	Addition to Index to Articles
mm	millimeter(s)	Ⓑ	Eliminate from Index to Articles
MPa	Megapascal	Ⓒ	Change in Index to Articles
NMFC	National Motor Freight Classification	Ⓔ	These provisions are subject to the expiration date as shown in Item (Rule) 535.
NMFTA	National Motor Freight Traffic Association, Inc.	①	The participation of this carrier is CANCELED; provisions of this Classification no longer apply for account of this carrier.
NOI	Not more specifically described herein	Ⓟ	Under postponement
o/a	operating as	®	Registered trade name or registered trademark
oz.	ounce(s)	⊕	Effective March 11, 2021, under authority of 49 CFR §1312.6(b)(3).
pcf	pounds per cubic foot	●	Indicates correction of printing error
psi	pounds per square inch		
qt.	quart		
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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