



# **DOCKET 2023-3**

## **OCTOBER 2023**

A public meeting to discuss provisions of the National Motor Freight Classification® and ClassIT® will be held on **October 3, 2023**, at: 10:30 am Eastern Time.

Westin Old Town  
400 Courthouse Square  
Alexandria, VA 22314  
703.253.8600

ISSUED: August 31, 2023

**On Tuesday, October 3, 2023**, the Freight Classification Development Council (FCDC) will conduct a public meeting to discuss proposals for amending the National Motor Freight Classification® (NMFC®) and ClassIT®. **The meeting will be held at the Westin Old Town, 400 Courthouse Square, Alexandria, VA 22314** commencing at **10:30 am Eastern Time**.

**Section I** of this docket provides the FCDC analyses for proposed amendments that will be discussed at the meeting. Each analysis includes the full text of the proposal, the contact person(s) for the proposal and the identity of the proponent.

**Section II** of this docket provides notice of classification changes made necessary by law, by order of a regulatory body, or for clarification, simplification, or uniformity.

The symbol ⇌ indicates a proposed classification change. The symbol ☠ indicates that the commodities may be subject to federal regulations concerning the shipping of hazardous materials. The symbol ® indicates a registered trade name or registered trademark. The symbol ™ indicates a trademark.

## Public Docket Files

Supporting data and other relevant information pertaining to each proposal in Sections I and II herein are contained in a **Public Docket File**. The public files are available online without charge at [www.nmfta.org](http://www.nmfta.org). They are organized by docket and subject numbers.

## Freight Classification Development Council

fcdc@nmfta.org • 703.838.1810

**The Freight Classification Development Council invites all interested persons to participate in the classification process.**

Anyone having an interest in a proposal listed in this docket may attend the meeting on October 3, 2023, and/or submit a written statement. Written statements may be submitted by mail or email, **and they must be received by the FCDC no later than 5:00 pm Eastern Time, Wednesday, September 27, 2023.**

**Written submissions received by 5:00 pm Eastern Time, September 27, 2023, will be included in the respective public docket file and posted on our website. The statements will be reviewed by the FCDC, and they will be discussed by the FCDC at the public meeting on October 3, 2023.**

Our mailing address is:

**Freight Classification Development Council  
1001 North Fairfax Street, Suite 600  
Alexandria, Virginia 22314**

Our email address is:

**[fcdc@nmfta.org](mailto:fcdc@nmfta.org)**

Written statements may also be emailed to the contact person(s) involved.

**To schedule an appearance at the meeting, or if you require further information,** please contact Nicole Jones, Classification Support Specialist, at [nicole.jones@nmfta.org](mailto:nicole.jones@nmfta.org) or 571.527.2681. Anyone requesting assistance in accordance with the Americans with Disabilities Act will be accommodated.

**The FCDC's procedures as well as other information on the FCDC and the National Motor Freight Traffic Association are available online at [www.nmfta.org](http://www.nmfta.org).**

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Amendments resulting from the proposals in this docket will be published in a supplement to the National Motor Freight Classification that is scheduled to be issued on **November 2, 2023**, with an effective date of **December 2, 2023**. ClassIT will be automatically updated on **December 2, 2023**.

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<b>A</b>		<b>I</b>	
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Burial Cases .....	10	Kegs .....	6
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Casks .....	6	Mats, floor, rubber .....	4
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<b>G</b>		<b>S</b>	
Gaskets .....	8	Safes, or Parts thereof .....	15
Grain Products .....	9	Shapes, other than packaging .....	8
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<b>H</b>			
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**T**

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Tubs ..... 6

**V**

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**W**

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Water Heaters, tank type ..... 5  
Windows, service or transaction ..... 14

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**SUBJECT 1****Re:** Foodstuffs Group**Contact:** Larissa A. Franklin  
Adam C. MercerTelephone — (703) 838-1824  
Telephone — (703) 838-1911franklin@nmfta.org  
mercerc@nmfta.org**Proponent:** Freight Classification Development Council**Present Classification Provisions**

See Appendix A herein.

**Proposed Classification Provisions**

See Appendix B herein.

**Analysis****Introduction**

Numerous items in the Foodstuffs Group name particular types of foodstuffs, and these provisions can be difficult to interpret, apply or verify. The transportation characteristics below relate to the items subject to the Foodstuffs Group, as shown in the Present Classification Provisions herein.

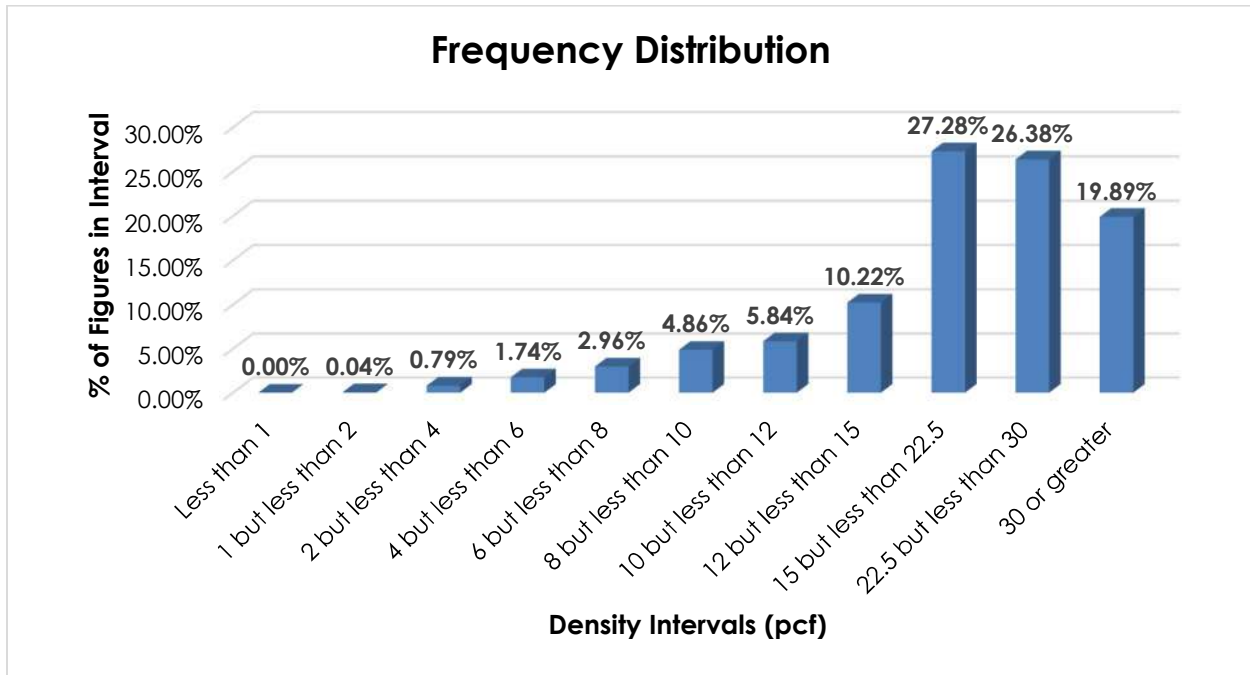
**Transportation Characteristics**

**Density**—The information of record includes 178,112 density observations obtained from the FCDC's Density Study<sup>1</sup>. The densities range from 0.83 to 68.62 pcf, with an overall average density of 21.99 pcf. As shown in the graph on the following page, the density distribution is left-skewed, with over 73% of the figures being 15 pcf or greater.

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<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 1



**Handling, Stowability and Liability**—Care must be taken to avoid stowing the involved commodities with hazardous materials or other freight that may pose a contamination risk. They may also be damaged by freight with which stowed or by the elements. However, there have been no reports of unusual or significant handling, stowability or liability issues.

**Conclusion**

Based on the foregoing analysis, this proposal would cancel numerous provisions with reference to the full-scale, density-based provisions of item 73260<sup>2</sup>. Other provisions would be canceled with reference to items 73150<sup>3</sup>, 74095, 77060 and 85880, or a combination thereof, including some with reference to item 73260<sup>4</sup>, in the interest of clarification and simplification.

Numerous Notes would be canceled as having no further application. Notes, items 73262 and 73263 would be amended for clarification. Two new Notes, one attendant to item 73260 and the other attendant to item 74095, would be established to clarify the application of the two items.

The minimum packaging requirements would ensure that freight is adequately protected and can be handled and stowed in a manner that is reasonably safe and practicable so as to withstand the normal rigors of the less-than-truckload environment.

<sup>2</sup> Item 73260 provides the FDC's standard 11-subprovision density scale, which includes reference to Item (Rule) 170, the inadvertence clause.  
<sup>3</sup> The density provisions include reference to Item (Rule) 170, the inadvertence clause.  
<sup>4</sup> When shipped, the appropriate classification for the commodities would be dependent upon the product's representation and intended use.



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ITEM	ARTICLE	CLASS
	<b>FOODSTUFFS GROUP:</b> subject to item 72000	
72020	<b>Almond Paste or Apricot Kernel Paste</b> , in boxes.....	65
72030	<b>Baby Food</b> , NOI, see Note, item 72031, in boxes or Packages 1000, 2093 or 2368, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 15 .....	92.5
Sub 2	15 or greater .....	65
72031	NOTE—Applies only on foodstuffs consisting of fruits, meats or vegetables, with or without other ingredients, specially prepared and represented as baby food.	
72041	<b>Baking Powder</b> , in bags, boxes, drums or Packages 2463, 2498, 2499 or 2500.....	65
72045	<b>Bars</b> , nutritional or snack, NOI, granola, cereal, grain or protein, with or without fruit, nuts or other ingredients, in boxes or Package 128, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 15 .....	92.5
Sub 2	15 or greater .....	70
72080	<b>Beans</b> , cocoa, in bags, boxes or drums.....	65
72120	<b>Beans</b> , vanilla or Tahiti, in boxes.....	200
72160	<b>Beverages</b> , carbonated, flavored or phosphated, NOI, not including extracts, syrups nor alcoholic liquors, see Note, item 72162, in boxes or drums, in glass in bottle carriers with sealed tops or in Packages 1428, 2437 or 2438..	60
72162	NOTE—Will not apply on de-alcoholized or nonalcoholic liquors such as cordials, liqueurs, vermouths or cocktails—they being subject to the class applying on liquors, NOI, nonalcoholic.	
72170	<b>Beverages, Drinks or Shakes</b> , nutritional, flavored, NOI, see Note, item 72171, in boxes or Package 2438, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 30 .....	70
Sub 2	30 or greater .....	60
72171	NOTE—Applies only on liquid products that provide a combination of protein and other nutrients designed to provide or supplement an individual's dietary needs.	
72220	<b>Bread Making Compounds</b> , NOI, other than prepared flour, edible flour, NOI, baking powder or yeast, and including compounds such as gluten developers, yeast foods and dough improvers, in bags, boxes, drums or Package 2323.....	60
72260	<b>Brewers' Wort</b> , dry, in bags.....	65
72280	<b>Butter and Honey mixed</b> , in boxes or drums, or in pails in crates.....	77.5
72300	<b>Caviar</b> , in glass or metal containers in boxes, or in bulk in drums.....	85
72330	<b>Cheese</b> , imitation, made from vegetable oils, in boxes.....	77.5
72360	<b>Chips</b> , flour or meal, flavored, not exploded, expanded nor puffed, requiring further cooking, in boxes or Package 2231.....	60
72490	<b>Coating</b> , doughnut or cake, dry, see Note, item 72492, in bags.....	55
72492	NOTE—Applies only on powdered sugar containing not over 30 percent of corn starch, shortening and flavoring.	
72495	<b>Coatings or Seasonings</b> , food, cheese flavored, see Note, item 72496, in bulk in bags.....	60
72496	NOTE—Applies on blended ingredients such as: dried milk, whey, flavoring additives (including cheese solids), enzymes, salt, and acidifying or coloring agents; having a moisture content not exceeding 5 percent. Does not apply on commodities which are designed to be reconstituted with liquid ingredients.	
72510	<b>Cocktail Mixes or Mixers</b> , liquid, nonalcoholic, other than beverages, see Note, item 72511, in boxes, drums or Packages 2463, 2498, 2499 or 2500.....	65
72511	NOTE—Applies only on liquid nonalcoholic mixtures, other than beverages, used in the preparation of alcoholic mixed drinks, and are so represented for sales purposes.	
72520	<b>Cocoa</b> , dry, with or without sugar, in bags, boxes or drums or in metal cans in crates or in Package 2268; <b>or Cocoa Paste</b> , see Note, item 72522, in inner containers in boxes.....	65
72522	NOTE—Applies only on fluid compounds of cocoa and vegetable oil, not sweetened and without other flavoring.	
72540	<b>Cocoa Butter (Cocoa Grease)</b> , in bags, bales, boxes or drums.....	65
72560	<b>Coconut</b> , prepared, NOI, see Note, item 72561, in bags or boxes.....	70
72561	NOTE—Does not apply on coconut chips. For applicable provisions, see item 73260.	
72620	<b>Coffee Extract</b> , liquid, in boxes or drums.....	100
72700	<b>Coffee Substitutes</b> , cereal, fruit or vegetable, NOI, <b>or Chicory</b> , roasted, crushed or ground, in bags, boxes or drums.....	65
72735	<b>Compounds</b> , yeast and yogurt, in bags, boxes or drums.....	60
72770	<b>Desserts or Salads</b> , fruit, pasta or vegetable, with or without gelatine or dressing:	
Sub 1	In bags in boxes.....	100
Sub 2	In inner containers other than glass jars or metal cans and other than bags, in boxes.....	77.5
72788	<b>Dinners</b> , taco or tostada, consisting of corn meal taco or tostada shells, meat seasoning and sauce, with or without tortillas, in boxes.....	85
72810	<b>Dressing or Stuffing</b> , bread base, with or without other ingredients, dry; <b>or Bread Crumbs; Bread Cubes or Croutons; or Cracker or Matzo Meal</b> ; in bags, boxes or Packages 1000, 1500 or 2445, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10 .....	150
Sub 2	10 or greater .....	70
72820	<b>Eggs</b> , cooked and preserved in vinegar brine, not frozen, in boxes.....	60
72840	<b>Eggs</b> , dried, combined with dehydrated shortening and nonfat milk solids, in boxes or drums.....	70
72860	<b>Extracts</b> , meat, with or without a mixture of vegetable extracts, <b>or Soup Tablets</b> , in containers in boxes or drums....	100
72880	<b>Extracts</b> , root beer, in inner containers in boxes or drums, see Note, item 72882, or in bulk in drums.....	70
72882	NOTE—Also applies on a net weight of phosphoric acid not in excess of 2 percent of net weight of extract when in same shipping package with extract.	
72910	<b>Extracts</b> , NOI; <b>Flavoring Compounds</b> , NOI; <b>Imitation Flavors</b> , NOI; <b>or Bottlers' Flavoring Compounds</b> , NOI, see Note, item 72917; liquid, paste or dry, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 72911, 72914 and 72916; in boxes or drums; or dry, in bags or Packages 1000, 2358 or 2440.....	70

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ITEM	ARTICLE	CLASS
	<b>FOODSTUFFS GROUP:</b> subject to item 72000	
72911	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
72914	NOTE—Inner containers may include plastic or metal molds, or paper, plastic or wooden sticks not in excess of 5 percent of gross weight of package.	
72916	NOTE—There may be included in each package a quantity of sodium salts not in excess of 5 percent of the gross weight of the package.	
72917	NOTE—There may be included in each shipment of Bottlers' Flavoring Compounds a quantity of phosphoric acid solution, alcohol solution, or a combination of both, not in excess of 15 percent of the total shipment weight.	
73150	<b>Flour, Meal or Sugar, viz.:</b> <b>Flour</b> , NOI; <b>Meal</b> , NOI, including <b>Corn Meal</b> ; <b>Mixes</b> , baking, NOI, including <b>Bread, Brownie, Cake, Cookie, Muffin, Pancake or Waffle Mixes</b> , see Note, item 73151; <b>Mixes</b> , batter, breading or coating, NOI; <b>Sugar</b> , NOI; In bags, boxes, drums or Packages 128 or 2456, 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 but less than 30.....	70
Sub 4	30 or greater.....	55
73151	NOTE—Also applies on other ingredients or complement of accessories necessary for completion of the finished product when packaged in same box.	
73220	<b>Food Curing, Preserving or Seasoning Compounds</b> , NOI, in bags, boxes, drums or Packages 510, 860, 2283 or 2358.....	70
73260	<b>Foodstuffs</b> , other than frozen, <b>Group IV, viz.:</b> <b>Bakery Goods</b> , NOI, also in Package 2428; <b>Beverage Preparations</b> , NOI, see Note, item 73263, also in Packages 2330 or 2438; <b>Coffee, Tea or Herbal Tea</b> , NOI, see Note, item 73261, also in Packages 2330 or 2380; <b>Cookies or Crackers</b> , NOI, also in Package 2428; <b>Desserts, Dessert Toppings or Related Foods</b> , NOI, see Note, item 73262; <b>Foodstuffs</b> , NOI; <b>Hot Chocolate or Hot Cocoa Mixes</b> ; <b>Juice</b> , fruit or vegetable, including <b>Juice Concentrates, Juice Beverages, Juice Drinks or Juice Powders or Crystals</b> , see Note, item 73263, also in Packages 2438 or 2467; <b>Pasta or Noodles</b> , with or without other ingredients; <b>Rice</b> , cleaned or prepared, NOI, with or without other ingredients; <b>Snack Foods</b> , NOI; <b>Soups or Soup Mixes</b> ; In bags, boxes, drums or Packages 128, 223, 510, 1000, 1400, 1500, 2093, 2231, 2404, 2414, 2416, 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 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; <b>or Coffee Service Kits or Sets</b> , 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.	
73262	NOTE—Provisions for desserts, dessert toppings or related foods include, but are not limited to: <b>Crusts</b> , pie or tart; <b>Dessert Mixes or Preparations</b> , NOI; <b>Dishes, Bowls, Ice Cream Cones or Shells</b> , edible, NOI; <b>Dough</b> , prepared; <b>Gelatine Dessert</b> ; <b>Sauces or Toppings</b> , ice cream or dessert, NOI, in other than pressurized containers, including <b>Marshmallow Creme, Nuts (Nutmeats) in Syrup, or Sprinkles</b> .	
73263	NOTE—Also applies on freeze-dehydrated or freeze-dried beverage preparations or juice powders or crystals.	
73300	<b>Fruit</b> , in liquor or syrup containing over 5 percent alcohol, in boxes or drums.....	85
73340	<b>Fruit or Fruit Peel</b> , candied, crystallized, glazed or stuffed, NOI, in boxes, drums or pails, or in metal cans in crates.	65
73380	<b>Gelatine or Pectin</b> , NOI, in bags, boxes or drums .....	70
73440	<b>Honey</b> , comb, in section frames:	
Sub 1	In wooden boxes without interior packing or wrapping .....	200
Sub 2	In Packages 252, 253 or 254 .....	85

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ITEM	ARTICLE	CLASS
	<b>FOODSTUFFS GROUP:</b> subject to item 72000	
73450	<b>Honey</b> , NOI, in boxes, drums or Packages 2463, 2478, 2498, 2499 or 2500 .....	60
73520	<b>Jelly</b> , corn syrup, in boxes, drums or pails .....	60
73695	<b>Kernels</b> , corn, whole, roasted, salted or not salted, not popped, in boxes .....	70
73705	<b>Kernels or Seeds</b> , pumpkin or sunflower, cooked, in bags, boxes or drums, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10 .....	110
Sub 2	10 but less than 12 .....	92.5
Sub 3	12 or greater .....	70
73810	<b>Malt Extract</b> , liquid:	
Sub 1	In glass inner containers in boxes .....	70
Sub 2	In inner containers other than glass in boxes, or in bulk in drums .....	65
73820	<b>Malt Extract</b> , other than liquid, <b>Malt Powder (Dehydrated Malt Syrup)</b> , or <b>Maltose (Malt Sugar)</b> :	
Sub 1	In glass or earthenware inner containers in boxes .....	70
Sub 2	In bulk in bags, boxes or drums, or in inner containers other than glass or earthenware in boxes .....	65
74000	<b>Milk, Cream or Vegetable Oil Compounds (Dessert Toppings)</b> , aerated, with or without flavoring or other ingredients, in gas-charged dispensing containers:	
Sub 1	Frozen, in boxes .....	100
Sub 2	Other than frozen, in boxes or in Package 2277 .....	77.5
74060	<b>Mixes</b> , basic food sauce, or food dip, dry, see Note, item 74062, in boxes or Package 2283 .....	70
74062	NOTE—Applies only on sauce mixes such as for marinara sauce, pizza sauce, spaghetti sauce, white sauce or curry sauce; or on dip mixes such as French onion mix, barbecue mix or dill and chive mix; requiring one or more liquid ingredients to produce a sauce or dip.	
74090	<b>Molasses, dried (Powdered Molasses)</b> , without or with not to exceed 33 <sup>1</sup> / <sub>3</sub> percent of sugar, shortening or flour, in boxes or drums .....	60
74095	<b>Molasses or Syrups</b> , not medicated, viz.:	
	<b>Agave Syrup (Agave Nectar);</b>	
	<b>Beverage or Fountain Syrup;</b>	
	<b>Flavoring Syrup;</b>	
	<b>Maple Syrup;</b>	
	<b>Molasses</b> , NOI;	
	<b>Syrup</b> , corn, rye, sorghum or wheat, NOI;	
	<b>Syrup</b> , malt or malted;	
	<b>Syrup</b> , NOI;	
	In boxes, drums or Packages 1000, 2035, 2288, 2402, 2463, 2467, 2498, 2499 or 2500 .....	65
74120	<b>Monosodium Glutamate</b> , in Package 860, in containers in boxes, or in bulk in bags, boxes or drums .....	70
74150	<b>Mustard</b> , ground, <b>Mustard Meal, Mustard Flour or Mustard Bran</b> , in boxes, drums or Package 2358 .....	65
74190	<b>Oils</b> , cooking or salad, NOI; <b>Cooking Spray</b> , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 74191; or <b>Vegetable Oil Shortening</b> ; in boxes, drums or Packages 275, 1000, 2257, 2288, 2330, 2393, 2401, 2415 or 2499 .....	65
74191	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
74200	<b>Onions</b> , French fried, in containers in boxes or in Package 2330 .....	77.5
74310	<b>Popcorn</b> , shelled, not popped, with or without other ingredients, in boxes:	
Sub 1	In popping containers, including <b>Microwave Popcorn</b> .....	70
Sub 2	NOI .....	65
74500	<b>Prune Concentrate</b> , in boxes or drums .....	65
74510	<b>Purees</b> , fruit or vegetable, including <b>Applesauce</b> :	
Sub 1	In pouches, in boxes .....	70
Sub 2	NOI, in boxes, drums or Packages 1000, 1264, 2288, 2463, 2498, 2499 or 2500 .....	60
74540	<b>Rice</b> , brewers', in bags or drums .....	55
74660	<b>Salt</b> , common ( <b>Sodium Chloride</b> ), containing food curing, flavoring or preserving ingredients, whether or not subjected to actual smoking processes or chemically treated to simulate smoked salt, in bags, boxes, drums or Packages 510, 2330, 2358 or 2456 .....	60
74720	<b>Sauerkraut, Sauerkraut Brine or Sauerkraut Juice</b> , other than frozen, in boxes, drums or Package 1000 .....	60
74735	<b>Shells</b> , taco, corn meal, folded, hard, in inner containers in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6 .....	150
Sub 2	6 or greater .....	110
74737	<b>Shells</b> , taco, or <b>Tortillas</b> , soft, in boxes .....	70
74740	<b>Shortening</b> , powdered, consisting of milk or whey solids and vegetable oil shortening or lard, with or without desiccated eggs or sugar, in bags, boxes or drums .....	70
74850	<b>Soybeans</b> , roasted, whole, halved or chopped, not ground, with or without flavoring or seasoning ingredients .....	65
74860	<b>Spice Base</b> , consisting of grain products, without sugar, or with not more than 12 percent sugar, in bags .....	70
74870	<b>Sticks or Stirrers</b> , beverage, with dry beverage preparation attached, in boxes .....	100
74890	<b>Substitutes</b> , sour cream, in a liquid, paste or semisolid state, other than frozen:	
Sub 1	In bulk in plastic bags in boxes, or in inner containers, other than cans, in boxes .....	77.5
Sub 2	In cans, in boxes .....	60
75070	<b>Sugar Spread (Sugar and Glucose mixed)</b> , in boxes, crates or drums .....	65
75120	<b>Syrup</b> , coloring, burnt sugar (caramel), in boxes or drums:	
Sub 1	Dehydrated .....	65
Sub 2	NOI .....	60
75140	<b>Syrup</b> , corn or potato (glucose), dehydrated, in bags, boxes or drums .....	65

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ITEM	ARTICLE	CLASS
	<b>FOODSTUFFS GROUP:</b> subject to item 72000	
75200	<b>Tablespreads</b> , vegetable oil base with flavoring, other than margarine, in boxes .....	77.5
75220	<b>Tamales</b> , in boxes or drums:	
Sub 1	Frozen .....	85
Sub 2	Not frozen .....	60
75245	<b>Tenderizers</b> , meat, liquid, in boxes or drums .....	60
75300	<b>Truffles</b> , in glass jars, in boxes .....	250
75400	<b>Vinegar</b> , liquid, in boxes, drums or Packages 2463, 2498, 2499 or 2500 .....	60
75430	<b>Wine</b> , cooking, flavoring or seasoning ( <b>Wine</b> , salted or sugared), in boxes .....	70
75470	<b>Yeast</b> , compressed or not compressed, other than dry or liquid, prepaid, in boxes or Packages 72, 73 or 74.....	77.5
75480	<b>Yeast</b> , dry, in bags, boxes or drums .....	85
75490	<b>Yeast</b> , liquid, in inner containers in boxes, or in bulk in drums .....	150
	<b>FRUITS OR VEGETABLES, DRIED, GROUP:</b> subject to item 77000	
77060	<b>Beans</b> , edible, NOI, in bags or boxes .....	65
	<b>GASES OR CRYOGENIC LIQUIDS GROUP:</b> subject to item 85500	
85880	☼ <b>Gases, NOI, or Gas Mixtures</b> , NOI, other than flammable or toxic, see Note, item 85881; in cargo tanks or steel cylinders, see Note, item 85882; or in containers in boxes, see Note, item 85883.....	110
85881	NOTE— 1. Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 2, Division 2.2, Nonflammable Gas, as defined in 49 CFR §173.115 and required to bear a notice to that effect on bills of lading and packaging. 2. Does not apply when U.S. Department of Transportation regulations require shipping containers to bear a 2.1 'FLAMMABLE GAS' or 2.3 'INHALATION HAZARD' label.	
85882	NOTE—Neon, inert may be shipped in aluminum cylinders.	
85883	NOTE—Liquefied helium may be shipped in doublewall vacuum insulated containers without additional packaging, subject to the following: 1. When container exceeds 30 liters in capacity but does not exceed 100 liters capacity. 2. When container exceeds 100 liters capacity, container must be equipped with a base which will prevent rolling if container is laid on its side. When base is equipped with wheels, container must rest on two wheels and on immovable legs, skids or pad during transit. 3. When not constructed as described in paragraph (2), above, container body must be protected with a sleeve of solid fiberboard 1/4 inch or thicker or with material of equal or greater strength. Fiberboard may be laminated to form closely fitted vertical segments held together with a layer of fiberboard to facilitate forming around container body. 4. Valves, gauges and venting devices must not project above protective cage.	

FREIGHT CLASSIFICATION DOCKET 2023-3

ITEM	ARTICLE	CLASS
	<b>FOODSTUFFS GROUP:</b> subject to item 72000	
72020	<b>Almond Paste or Apricot Kernel Paste</b> , etc...☒Cancel; see item 73260.	
72030	<b>Baby Food</b> , NOI, see Note, item 72031, etc...☒Cancel; see item 73260.	
72031	NOTE—☒Cancel; no further application.	
72041	<b>Baking Powder</b> , etc...☒Cancel; see item 73260.	
72045	<b>Bars</b> , nutritional or snack, NOI, granola, cereal, grain or protein, with or without fruit, nuts or other ingredients, etc...☒Cancel; see item 73260.	
72080	<b>Beans</b> , cocoa, etc...☒Cancel; see item 77060.	
72120	<b>Beans</b> , vanilla or Tahiti, etc...☒Cancel; see item 77060.	
72160	<b>Beverages</b> , carbonated, flavored or phosphated, NOI, not including extracts, syrups nor alcoholic liquors, see Note, item 72162, etc...☒Cancel; see item 73260.	
72162	NOTE—☒Cancel; no further application.	
72170	<b>Beverages, Drinks or Shakes</b> , nutritional, flavored, NOI, see Note, item 72171, etc...☒Cancel; see item 73260.	
72171	NOTE—☒Cancel; no further application.	
72220	<b>Bread Making Compounds</b> , NOI, other than prepared flour, edible flour, NOI, baking powder or yeast, and including compounds such as gluten developers, yeast foods and dough improvers, etc...☒Cancel; see item 73150.	
72260	<b>Brewers' Wort</b> , dry, etc...☒Cancel; see item 73260.	
72280	<b>Butter and Honey mixed</b> , etc...☒Cancel; see item 73260.	
72300	<b>Caviar</b> , etc...☒Cancel; see item 73260.	
72330	<b>Cheese</b> , imitation, made from vegetable oils, etc...☒Cancel; see item 73260.	
72360	<b>Chips</b> , flour or meal, flavored, not exploded, expanded nor puffed, requiring further cooking, etc...☒Cancel; see item 73260.	
72490	<b>Coating</b> , doughnut or cake, dry, see Note, item 72492, etc...☒Cancel; see item 73150.	
72492	NOTE—☒Cancel; no further application.	
72495	<b>Coatings or Seasonings</b> , food, cheese flavored, see Note, item 72496, etc...☒Cancel; see item 73260.	
72496	NOTE—☒Cancel; no further application.	
72510	<b>Cocktail Mixes or Mixers</b> , liquid, nonalcoholic, other than beverages, see Note, item 72511, etc...☒Cancel; see item 73260.	
72511	NOTE—☒Cancel; no further application.	
72520	<b>Cocoa</b> , dry, with or without sugar, in bags, boxes or drums or in metal cans in crates or in Package 2268; <b>or Cocoa Paste</b> , see Note, item 72522, etc...☒Cancel; see item 73260.	
72522	NOTE—☒Cancel; no further application.	
72540	<b>Cocoa Butter (Cocoa Grease)</b> , etc...☒Cancel; see item 73260.	
72560	<b>Coconut</b> , prepared, NOI, see Note, item 72561, etc...☒Cancel; see item 73260.	
72561	NOTE—☒Cancel; no further application.	
72620	<b>Coffee Extract</b> , liquid, etc...☒Cancel; see item 73260.	
72700	<b>Coffee Substitutes</b> , cereal, fruit or vegetable, NOI, <b>or Chicory</b> , roasted, crushed or ground, etc...☒Cancel; see item 73260.	
72735	<b>Compounds</b> , yeast and yogurt, etc...☒Cancel; see item 73260.	
72770	<b>Desserts or Salads</b> , fruit, pasta or vegetable, with or without gelatine or dressing, etc...☒Cancel; see item 73260.	
72788	<b>Dinners</b> , taco or tostada, consisting of corn meal taco or tostada shells, meat seasoning and sauce, with or without tortillas, etc...☒Cancel; see item 73260.	
72810	<b>Dressing or Stuffing</b> , bread base, with or without other ingredients, dry; <b>or Bread Crumbs; Bread Cubes or Croutons; or Cracker or Matzo Meal</b> , etc...☒Cancel; see items 73150 and 73260.	
72820	<b>Eggs</b> , cooked and preserved in vinegar brine, not frozen, etc...☒Cancel; see item 73260.	
72840	<b>Eggs</b> , dried, combined with dehydrated shortening and nonfat milk solids, etc...☒Cancel; see item 73260.	
72860	<b>Extracts</b> , meat, with or without a mixture of vegetable extracts, <b>or Soup Tablets</b> , etc...☒Cancel; see item 73260.	
72880	<b>Extracts</b> , root beer, etc...☒Cancel; see item 73260.	
72882	NOTE—☒Cancel; no further application.	
72910	<b>Extracts</b> , NOI; <b>Flavoring Compounds</b> , NOI; <b>Imitation Flavors</b> , NOI; <b>or Bottlers' Flavoring Compounds</b> , NOI, see Note, item 72917; liquid, paste or dry, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 72911, 72914 and 72916, etc...☒Cancel; see item 73260.	
72911	NOTE—☒Cancel; no further application.	
72914	NOTE—☒Cancel; no further application.	
72916	NOTE—☒Cancel; no further application.	
72917	NOTE—☒Cancel; no further application.	
△73150	<b>Flour, Meal or Sugar, viz.:</b> <b>Flour</b> , NOI; <b>Meal</b> , NOI, including <b>Corn Meal</b> ; <b>Mixes</b> , baking, NOI, including <b>Bread, Brownie, Cake, Cookie, Muffin, Pancake or Waffle Mixes</b> , see Note, item 73151; <b>Mixes</b> , batter, breading or coating, NOI; <b>Sugar</b> , NOI; In bags, boxes, drums or Packages 128 or 2456, 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 but less than 30.....	70
Sub 4	30 or greater.....	55
△73151	NOTE—Also applies on other ingredients or complement of accessories necessary for completion of the finished product when packaged in same box.	
73220	<b>Food Curing, Preserving or Seasoning Compounds</b> , NOI, etc...☒Cancel; see item 73260.	

ITEM	ARTICLE	CLASS
73260	<p><b>FOODSTUFFS GROUP:</b> subject to item 72000</p> <p><b>Foodstuffs, other than frozen, Group IV, viz.:</b></p> <ul style="list-style-type: none"> <li>▶ <b>Baby Food, NOI;</b></li> <li><b>Bakery Goods, NOI,</b> also in Package 2428;</li> <li>▶ <b>Beverages or Drinks, NOI, or Beverage or Drink Preparations, NOI,</b> see Note, item 73263, also in Packages 2330 or 2438;</li> <li><b>Coffee, Tea or Herbal Tea, NOI,</b> see Note, item 73261, also in Packages 2330 or 2380;</li> <li><b>Cookies or Crackers, NOI,</b> also in Package 2428;</li> <li>▶ <b>Cooking Spray,</b> not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item A-NEW;</li> <li><b>Desserts, Dessert Toppings or Related Foods, NOI,</b> ▶ not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard see Notes, item 73262 and A-NEW;</li> <li>▶ <b>Extracts, Flavoring Compounds, Imitation Flavors or Bottlers' Flavoring Compounds, NOI,</b> not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item A-NEW;</li> <li>▶ <b>Food Curing, Preserving or Seasoning Compounds, NOI;</b></li> <li><b>Foodstuffs, NOI,</b> ▶ not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item A-NEW;</li> <li>▶ <b>Gelatine or Pectin, NOI;</b></li> <li>▶ <b>Honey or Honeycomb, NOI;</b></li> <li><b>Hot Chocolate or Hot Cocoa Mixes;</b></li> <li><b>Juice, fruit or vegetable, including Juice Concentrates, Juice Beverages, Juice Drinks or Juice Powders or Crystals,</b> see Note, item 73263, also in Packages 2438 or 2467;</li> <li>▶ <b>Oils, cooking or salad, NOI, or Vegetable Oil Shortening;</b></li> <li>▶ <b>Purees, fruit or vegetable, including Applesauce;</b></li> <li><b>Pasta or Noodles,</b> with or without other ingredients;</li> <li><b>Rice, cleaned or prepared, NOI,</b> with or without other ingredients;</li> <li>▶ <b>Shells, taco, or Tortillas;</b></li> <li><b>Snack Foods, NOI;</b></li> <li><b>Soups or Soup Mixes;</b></li> <li>▶ <b>Yeast, dry or liquid;</b></li> </ul> <p>In bags, boxes, drums or Packages 128, 223, 510, 1000, 1400, 1500, 2093, 2231, 2404, 2414, 2416, 2421, 2425, 2463, 2498, 2499, 2500 or 2507, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
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 <b>Coffee Service Kits or Sets,</b> 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.	
73262	NOTE—Provisions for desserts, dessert toppings or related foods include, but are not limited to: <b>Crusts,</b> pie or tart; <b>Dessert Mixes or Preparations, NOI;</b> <b>Dishes, Bowls, Ice Cream Cones or Shells, edible, NOI;</b> <b>Dough,</b> prepared; ▶ <b>Gelatine Dessert;</b> ▶ <b>Sauces or Toppings,</b> ice cream or dessert, NOI, including <b>Marshmallow Creme, Nuts (Nutmeats) in Syrup, or Sprinkles.</b>	
73263	NOTE—Also applies on freeze-dehydrated or freeze-dried beverage ▶ or drink preparations, or juice powders or crystals.	
★A-NEW	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
73300	<b>Fruit,</b> in liquor or syrup containing over 5 percent alcohol, etc...☒Cancel; see item 73260.	
73340	<b>Fruit or Fruit Peel,</b> candied, crystallized, glazed or stuffed, NOI, etc...☒Cancel; see item 73260.	
73380	<b>Gelatine or Pectin, NOI,</b> etc...☒Cancel; see item 73260.	
73440	<b>Honey, comb,</b> in section frames, etc...☒Cancel; see item 73260.	
73450	<b>Honey, NOI,</b> etc...☒Cancel; see item 73260.	
73520	<b>Jelly,</b> corn syrup, etc...☒Cancel; see item 73260.	
73695	<b>Kernels, corn, whole, roasted, salted or not salted, not popped, etc...☒Cancel; see item 73260.</b>	
73705	<b>Kernels or Seeds,</b> pumpkin or sunflower, cooked, etc...☒Cancel; see item 73260.	
73810	<b>Malt Extract, liquid, etc...☒Cancel; see item 73260.</b>	
73820	<b>Malt Extract, other than liquid, Malt Powder (Dehydrated Malt Syrup), or Maltose (Malt Sugar), etc. ...☒Cancel; see items 73150, 73260 and 74095.</b>	
74000	<b>Milk, Cream or Vegetable Oil Compounds (Dessert Toppings),</b> aerated, with or without flavoring or other ingredients, etc...☒Cancel; see items 73260 and 85880.	

ITEM	ARTICLE	CLASS
	<b>FOODSTUFFS GROUP:</b> subject to item 72000	
74060	<b>Mixes</b> , basic food sauce, or food dip, dry, see Note, item 74062, etc...☒Cancel; see item 73260.	
74062	NOTE—☒Cancel; no further application.	
74090	<b>Molasses</b> , dried ( <b>Powdered Molasses</b> ), without or with not to exceed 33 <sup>1</sup> / <sub>3</sub> percent of sugar, shortening or flour, etc...☒Cancel; see item 74095.	
74095	<b>Molasses or Syrups</b> , not medicated, ▶see Note, item B-NEW, viz.: <b>Agave Syrup (Agave Nectar);</b> <b>Beverage or Fountain Syrup;</b> <b>Flavoring Syrup;</b> <b>Maple Syrup;</b> <b>Molasses</b> , NOI; <b>Syrup</b> , corn, rye, sorghum or wheat, NOI; <b>Syrup</b> , malt or malted; <b>Syrup</b> , NOI; In boxes, drums or Packages 1000, 2035, 2288, 2402, 2463, 2467, 2498, 2499 or 2500 .....	65
★B-NEW	NOTE—Also applies on dehydrated syrups.	
74120	<b>Monosodium Glutamate</b> , etc...☒Cancel; see item 73260.	
74150	<b>Mustard</b> , ground, <b>Mustard Meal</b> , <b>Mustard Flour or Mustard Bran</b> , etc...☒Cancel; see item 73260.	
74190	<b>Oils</b> , cooking or salad, NOI; <b>Cooking Spray</b> , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 74191; or <b>Vegetable Oil Shortening</b> , etc...☒Cancel; see item 73260.	
74191	NOTE—☒Cancel; no further application.	
74200	<b>Onions</b> , French fried, etc...☒Cancel; see item 73260.	
74310	<b>Popcorn</b> , shelled, not popped, with or without other ingredients, etc...☒Cancel; see item 73260.	
74500	<b>Prune Concentrate</b> , etc...☒Cancel; see item 73260.	
74510	<b>Purees</b> , fruit or vegetable, including <b>Applesauce</b> , etc...☒Cancel; see item 73260.	
74540	<b>Rice</b> , brewers', etc...☒Cancel; see item 73260.	
74660	<b>Salt</b> , common ( <b>Sodium Chloride</b> ), containing food curing, flavoring or preserving ingredients, whether or not subjected to actual smoking processes or chemically treated to simulate smoked salt, etc...☒Cancel; see item 73260.	
74720	<b>Sauerkraut</b> , <b>Sauerkraut Brine or Sauerkraut Juice</b> , other than frozen, etc...☒Cancel; see item 73260.	
74735	<b>Shells</b> , taco, corn meal, folded, hard, etc...☒Cancel; see item 73260.	
74737	<b>Shells</b> , taco, or <b>Tortillas</b> , soft, etc...☒Cancel; see item 73260.	
74740	<b>Shortening</b> , powdered, consisting of milk or whey solids and vegetable oil shortening or lard, with or without desiccated eggs or sugar, etc...☒Cancel; see item 73260.	
74850	<b>Soybeans</b> , roasted, whole, halved or chopped, not ground, with or without flavoring or seasoning ingredients, etc...☒Cancel; see item 73260.	
74860	<b>Spice Base</b> , consisting of grain products, without sugar, or with not more than 12 percent sugar, etc...☒Cancel; see item 73260.	
74870	<b>Sticks or Stirrers</b> , beverage, with dry beverage preparation attached, etc...☒Cancel; see item 73260.	
74890	<b>Substitutes</b> , sour cream, in a liquid, paste or semisolid state, other than frozen, etc...☒Cancel; see item 73260.	
75070	<b>Sugar Spread (Sugar and Glucose mixed)</b> , etc...☒Cancel; see item 73260.	
75120	<b>Syrup</b> , coloring, burnt sugar (caramel), etc...☒Cancel; see item 74095.	
75140	<b>Syrup</b> , corn or potato (glucose), dehydrated, etc...☒Cancel; see item 74095.	
75200	<b>Tablespreads</b> , vegetable oil base with flavoring, other than margarine, etc...☒Cancel; see item 73260.	
75220	<b>Tamales</b> , etc...☒Cancel; see item 73260.	
75245	<b>Tenderizers</b> , meat, liquid, etc...☒Cancel; see item 73260.	
75300	<b>Truffles</b> , in glass jars, etc...☒Cancel; see item 73260.	
75400	<b>Vinegar</b> , liquid, etc...☒Cancel; see item 73260.	
75430	<b>Wine</b> , cooking, flavoring or seasoning ( <b>Wine</b> , salted or sugared), etc...☒Cancel; see item 73260.	
75470	<b>Yeast</b> , compressed or not compressed, other than dry or liquid, prepaid, etc...☒Cancel; see item 73260.	
75480	<b>Yeast</b> , dry, etc...☒Cancel; see item 73260.	
75490	<b>Yeast</b> , liquid, etc...☒Cancel; see item 73260.	
	<b>FRUITS OR VEGETABLES, DRIED, GROUP:</b> subject to item 77000	
△77060	<b>Beans</b> , edible, NOI, in bags or boxes .....	65

ITEM	ARTICLE	CLASS
<p>△.85880</p> <p>△.85881</p> <p>△.85882</p> <p>△.85883</p>	<p><b>GASES OR CRYOGENIC LIQUIDS GROUP:</b> subject to item 85500</p> <p>☛<b>Gases, NOI, or Gas Mixtures, NOI</b>, other than flammable or toxic, see Note, item 85881; in cargo tanks or steel cylinders, see Note, item 85882; or in containers in boxes, see Note, item 85883.....</p> <p>NOTE—</p> <ol style="list-style-type: none"> <li>1. Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 2, Division 2.2, Nonflammable Gas, as defined in 49 CFR §173.115 and required to bear a notice to that effect on bills of lading and packaging.</li> <li>2. Does not apply when U.S. Department of Transportation regulations require shipping containers to bear a 2.1 'FLAMMABLE GAS' or 2.3 'INHALATION HAZARD' label.</li> </ol> <p>NOTE—Neon, inert may be shipped in aluminum cylinders.</p> <p>NOTE—Liquefied helium may be shipped in doublewall vacuum insulated containers without additional packaging, subject to the following:</p> <ol style="list-style-type: none"> <li>1. When container exceeds 30 liters in capacity but does not exceed 100 liters capacity.</li> <li>2. When container exceeds 100 liters capacity, container must be equipped with a base which will prevent rolling if container is laid on its side. When base is equipped with wheels, container must rest on two wheels and on immovable legs, skids or pad during transit.</li> <li>3. When not constructed as described in paragraph (2), above, container body must be protected with a sleeve of solid fiberboard 1/4 inch or thicker or with material of equal or greater strength. Fiberboard may be laminated to form closely fitted vertical segments held together with a layer of fiberboard to facilitate forming around container body.</li> <li>4. Valves, gauges and venting devices must not project above protective cage.</li> </ol>	<p>110</p>



## SUBJECT 2

**Re:** Fiberboard Intermediate Bulk Containers (IBCs) with Inner Plastic Film Bag or Liner for Nonhazardous Liquids

**Contact:** Larissa A. Franklin                      Telephone — (703) 838-1824                      franklin@nmfta.org

**Proponent:** Classification Resource Committee

### Present Classification Provisions

See Appendix A herein.

### Proposed Classification Provisions

See Appendix B herein.

### Analysis and Conclusion

This proposal was docketed by the Classification Resource Committee (CRC) based on a recommendation from the CRC's Packaging Subcommittee.

Carriers have reported claims due to failures of fiberboard intermediate bulk containers (IBCs) containing nonhazardous liquid or semi-liquid products, as shown in the photo on the right. The products are contained in plastic film bags or liners, which are then placed in a fiberboard container or covered in fiberboard and secured on lift truck skids or pallets. Item 280 contains general specifications and requirements in Sec. 3<sup>1</sup>, and the NMFC contains 16 numbered packages that provide specific construction requirements for these types of IBCs.



This proposal would standardize the requirements for these types of IBCs by updating the specifications in Item 280, Sec. 3, and canceling the 16 numbered packages. Additionally, the references to the numbered packages would be removed from the articles section, which would be amended accordingly. Several Notes would be canceled as having no further application.

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<sup>1</sup> Docket 2019-2, Subject 13 (June 2019)

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## RULES

## ITEM 280

**DEFINITION OF OR SPECIFICATIONS FOR INTERMEDIATE BULK CONTAINERS (IBCs)****General Definition and Specifications**

**Sec. 1.** Intermediate Bulk Containers (IBCs) are large flexible, semi-rigid or rigid portable packages that permit handling with mechanical equipment and may be constructed from a variety of materials including fabric, fiberboard, metal, plastic or wood, or a combination thereof, see Secs. 2 and 3 herein. The receptacle of an IBC has a volumetric capacity of not more than 3,000 liters (793 gallons or 106 cubic feet) and not less than 450 liters (119 gallons or 15.9 cubic feet) or a maximum net mass of not less than 400 kilograms (882 pounds). They must be designed with handles, straps, legs, an integral lift truck skid, pallet or platform base, or be secured on a lift truck skid, pallet or platform so as to provide for mechanical equipment to safely pick up the container, and must be constructed so as to sufficiently contain and protect the contents and withstand the normal rigors of the less-than-truckload environment. IBCs intended for stacking must have an integral stacking alignment or securing design feature. IBCs must be securely closed, and sufficient outage must be left within the IBC to ensure that the package will not leak or be permanently distorted as a result of liquid expansion due to change in temperatures likely to be encountered during transportation. IBCs designed for the transport of solid materials must be sift-proof and water-resistant. Bottom valves must be secured in the closed position, have a secondary means of sealing and must sufficiently protect against damage (e.g. shearing).

**Flexible IBCs (FIBCs)**

**Sec. 2.** Flexible IBCs (FIBCs) may be used for dry commodities only and must be constructed as follows and meet the performance requirements specified herein. FIBCs must be made from coated or uncoated polyethylene or polypropylene woven fabric so constructed as to contain and protect the contents and withstand the normal rigors of the less-than-truckload environment. Handles or straps must harness, encircle or be securely attached to the FIBC body to facilitate handling by mechanical equipment. FIBCs with spouts for discharging purposes, or with top or bottom filling or discharging openings, must be secured by means that will provide a sift-proof closure. FIBCs on lift truck skids, pallets or platforms must have the FIBC body placed within a fiberboard tray, with or without a separate fiberboard sleeve, and the depth of the tray or tray and sleeve, as the case may be, must extend at least 20 inches from the lift truck skid, pallet or platform deck. FIBC body, tray and, where present, sleeve must not overhang the deck, and the entire handling unit must be secured together with plastic film. FIBCs may be used again in transportation only when they are in such condition that they will protect contents as effectively as new containers.

**Nonhazardous Liquids in Fiberboard IBCs with Inner Plastic Film Bag or Liner**

**Sec. 3.** Nonhazardous liquids may be shipped in fiberboard IBCs having an inner plastic film bag or liner and secured on a lift truck skid, pallet or platform. Container must be six-sided and made of solid or of multiwall corrugated fiberboard sufficient to support the capacity of the inner plastic film bag or liner and its contents. Inner plastic film bag or liner must have sufficient outage to provide adequate containment during transport. Fiberboard container must not overhang the lift truck skid, pallet or platform deck and must be secured on the lift truck skid, pallet or platform by strapping in opposing directions, with at least two straps in each direction.

**Use for Hazardous Materials**

**Sec. 4.** IBCs used for the transportation of hazardous materials must be in conformance with the applicable requirements of Title 49 of the Code of Federal Regulations (CFR). ASTM D7387, Standard Test Method for Vibration Testing of Intermediate Bulk Containers (IBCs) Used for Shipping Liquid Hazardous Materials (Dangerous Goods), may be used to test the integrity of the IBC, providing the 49 CFR requirements have been met.

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ITEM	ARTICLE	CLASS
4625	<b>Adhesives, NOI, Adhesive Cements, NOI, Adhesive Glues, NOI, or Adhesive Pastes, NOI</b> , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 4626, in bags, boxes, drums, pails, intermediate bulk containers (IBCs), portable tanks or Packages 1398, 2213, 2399, 2440, 2445, 2452, 2458, 2463, 2467, 2478, 2496, 2499, 2500, 2515, 2516, 2521, 2526, 2528 or 2530, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 15.....	100
Sub 2	15 but less than 22.5.....	70
Sub 3	22.5 but less than 30.....	65
Sub 4	30 or greater.....	55
4626	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
30040	<b>Brake, Shock Absorber or Hydraulic System Fluid</b> , other than petroleum, in boxes, drums or Packages 689 or 2473	70
41960	<b>Cement</b> , container, liquid or paste, see Note, item 41962, in boxes, drums or Package 2452.....	60
41962	NOTE—Applies on cement for hermetically sealing glass or metal containers.	
42600	<b>CHEMICALS GROUP:</b> see Note, item 42603	
42603	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.	
43940	<b>Chemicals, NOI</b> , see Note, item 43941, in bags, boxes, drums, pails, intermediate bulk containers (IBCs) or Packages 2258, 2456 or 2499, 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 but less than 30.....	70
Sub 4	30 or greater.....	55
43941	NOTE—Unless otherwise provided, also applies on materials regulated by the U.S. Department of Transportation as Combustible Liquids in containers with a maximum capacity of 119 gallons or less, as defined in 49 CFR §173.120, and on materials moving under a limited quantity exception, as defined in 49 CFR Part 173, Subpart B.	
46030	<b>Resins, coal tar or petroleum, or Resin Compounds</b> , see Note, item 46032, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 46031, in bags, boxes, drums or Packages 2452, 2473, 2501 or 2510.....	55
46031	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
46032	NOTE—Applies only on coumarone-indene, petroleum polymer or petroleum hydrocarbon resins, or on resin compounds, not commercially suitable for molding or extruding purposes, in liquid, powder, flake, lump or solid mass form. Applies on such resins or resin compounds only when: (1) the resin or rosin does not exceed 50 percent by weight of contents; <b>OR</b> (2) the resin or rosin exceeds 50 percent by weight of contents provided that the actual value does not exceed 60 cents per pound and is so certified by the shipper on shipping orders and bills of lading at time of shipment. If the actual value exceeds 60 cents per pound or if no value is shown by the shipper at time of shipment, item 156200, naming 'Plastic Flakes, NOI, Granules, Lumps, Pellets, Powder or Solid Mass,' or item 156240, naming 'Liquid Plastic, NOI,' will apply, with the final determination of item dependent on the form of the resin or resin compound.	
48580	<b>Cleaning, Scouring or Washing Compounds</b> , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 48583 and 48585, viz.: <b>Bluing, laundry;</b> <b>Cleaning, Scouring or Washing Compounds, NOI;</b> <b>Degreasers;</b> <b>Detergents;</b> <b>Soap</b> , liquid or other than liquid, including <b>Soap Powder, NOI;</b> In bags, boxes, drums, pails, intermediate bulk containers (IBCs) or Packages 602, 1333, 2039, 2189, 2213, 2289, 2309, 2341, 2355, 2393, 2398, 2399, 2410, 2440, 2463, 2467, 2473, 2478, 2479, 2499, 2500, 2521, 2526, 2528 or 2530.....	70
48583	NOTE—Does not apply on hand soap in freestanding bottles or containers with integral pump. For applicable provisions, see item 59363.	
48585	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
50140	<b>Compounds, defoaming</b> , see Note, item 50142:	
Sub 1	Emulsified oil and not less than 50 percent by weight of water, in bulk in drums or Packages 2440, 2473 or 2521.....	55
Sub 2	NOI, in boxes, drums, pails or Packages 2440, 2473 or 2521.....	70
50142	NOTE—Applies only on compounds designed to prevent formation of foam in industrial processes.	
50227	<b>Compounds</b> , industrial process water treating, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 50228 and 50229:	
Sub 1	Liquid, in boxes, drums or Packages 2440, 2473, 2499 or 2521.....	60
Sub 2	Dry, in bags, boxes or drums.....	55
50228	NOTE—Applies only on compounds which are of a bactericidal, fungicidal, corrosion-inhibiting or particle-dispersing nature, such as used in treatment of water during manufacture of leather, paint or paper.	
50229	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	

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ITEM	ARTICLE	CLASS
50232 Sub 1 Sub 2 Sub 3 Sub 4	<p><b>Compounds</b>, iron or steel cleaning, NOI, other than corrosive materials:                      Dry, in drums .....                      Liquid:                      In carboys .....                      In drums or Package 2473 .....</p>	55   100 55
50234 Sub 1 Sub 2 Sub 3	<p><b>Compounds</b>, iron or steel rust preventing or removing, NOI, other than corrosive materials and other than petroleum:                      In carboys other than plastic carboys .....                      In plastic carboys, or in inner containers in boxes .....                      In bulk in drums or Package 2473, see Note, item 50235 .....</p>	100 77.5 65
50235	NOTE—Also applies on shipments in flexible square or rectangular molded plastic containers of three gallons capacity, but not over five gallons capacity, contained in fiberboard boxes.	
50420	<b>Compounds or Agents</b> , proprietary electroplating additive, other than corrosive materials, see Note, item 50421, in bags, boxes, drums or Packages 2440 or 2521.....	55
50421	NOTE—Applies only on proprietary compounds or agents formulated to enhance the quality of finish in electroplating processes.	
50455	<b>Compounds or Lubricants</b> , metal cutting, drawing or drilling, dry, liquid or paste, NOI, see Note, item 50456, in boxes, drums, pails or Packages 2440, 2452, 2473, 2478 or 2521 .....	70
50456	NOTE—Does not apply on compounds or lubricants containing in excess of 50 percent petroleum. See item 155250 for applicable provisions when petroleum content exceeds 50 percent.	
57100 Sub 1 Sub 2 Sub 3	<p><b>Deodorants</b>, NOI, other than contained in or in the form of decorations, novelties or ornaments, see Note, item 57101, or <b>Disinfectants</b>, NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 57102 and 57103:                      In carboys .....                      In inner containers in boxes or Package 2341.....                      In bulk in drums, pails or Packages 2213, 2452 or 2473 .....</p>	100 85 60
57101	NOTE—Does not apply on deodorants contained in or in the form of decorations, novelties or ornaments. For applicable classes, see item 56290.	
57102	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
57220	<b>Dextrin or British Gum</b> , liquid, in drums or Packages 2399, 2440, 2445, 2452 or 2521 .....	55
<b>DRUGS, MEDICINES, TOILET PREPARATIONS OR PERSONAL CARE PRODUCTS</b>		
<b>GROUP:</b> subject to item 58500		
59420 Sub 1 Sub 2 Sub 3	<p><b>Toilet Preparations or Personal Care Products</b>, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 59421, viz.:  <b>Cosmetics</b>, NOI, including <b>Eyeliners, Eye Shadow, Face Powder, Foundation, Lip Balm, Lip Gloss, Lipstick or Mascara;</b>  <b>Creams, Lotions, Moisturizers or Oils</b>, body, face or hand, NOI, including <b>Sunscreen or Suntan Lotions or Oils;</b>  <b>Hair Bleaching or Coloring Kits;</b>  <b>Hairspray or Hair Styling Products</b>, including <b>Hair Gel, Mousse, Oil or Wax;</b>  <b>Hand Sanitizers</b>, NOI;  <b>Makeup</b>, including <b>Masquerade or Stage Makeup;</b>  <b>Mouthwash;</b>  <b>Nail Polish or Nail Polish Remover;</b>  <b>Shampoo or Conditioner</b>, hair;  <b>Shaving Cream, Gel or Soap;</b>  <b>Toilet Preparations</b>, NOI;  <b>Toothpaste or Tooth Powder;</b>                      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:                      Less than 10.....                      10 but less than 15.....                      15 or greater.....</p>	125 85 70
59421	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
<b>FEED GROUP:</b> subject to item 66700		
67050 Sub 1 Sub 2 Sub 3	<p><b>Feed or Feed Supplements</b>, animal, fish or poultry, other than frozen and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 67051 and 67052, viz.:  <b>Feed</b>, prepared, NOI;  <b>Feed Supplements;</b>  <b>Feeding Compounds or Preparations</b>, condimental or medicinal;  <b>Pet Food</b>, prepared, NOI;                      In bags, boxes, drums, pails or Packages 1000, 1271, 1500, 2257, 2330, 2421, 2440 or 2521, subject to Item 170 and having a density in pounds per cubic foot of:                      Less than 15.....                      15 but less than 30.....                      30 or greater.....</p>	92.5 70 55
67051	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	

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ITEM	ARTICLE	CLASS
67052	NOTE—Does not apply on edible pet treats in various forms or shapes. For applicable provisions, see item 27765.	
68140	☉ <b>Fertilizing Compounds (Manufactured Fertilizers)</b> , NOI, see Note, item 68144:	
Sub 1	Dry:	
Sub 2	In inner containers in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 3	Less than 20 .....	110
Sub 4	20 or greater .....	60
Sub 5	In bulk in bags, boxes, drums or Package 2435 .....	50
Sub 6	Liquid, in boxes, drums or Packages 2399 or 2500 .....	70
68144	NOTE—Will also apply when having a content of herbicides or insecticides admixed not to exceed five percent of gross weight of fertilizer.	
72000	<b>FOODSTUFFS GROUP:</b> Articles consist of Foodstuffs, Beverages or Beverage Preparations, not named in other more specific groups, see Notes, items 72002, 72004, 72005, 72007 and 72008, as described in items subject to this grouping.	
72002	NOTE—Unless otherwise specified in individual items, provisions apply only on foodstuffs, beverages or beverage preparations, other than frozen.	
72004	NOTE—Commodities other than frozen or requiring refrigeration, listed under this generic heading, when packed in rectangular inner fiberboard containers will be subject to the 'in boxes' classes when enclosed in paper wrappers or in plastic film overwrap bundles. Package must consist of only one layer or tier of inner containers and gross weight must not exceed 14 pounds. This packaging is permissible only on those commodities that are not contained in glass or earthenware or otherwise fragile containers. Wrappers must consist of paper or paperboard basis weight not less than 126 pounds per 500 sheets 24 × 36 inches or plastic film totaling not less than 2 mils in thickness, and must totally enclose inner containers. Ends and overlap seams must be firmly glued or when plastic film is utilized, seams and ends must be heat sealed.	
72005	NOTE—Unless specified in individual items, classes will not apply on commodities prepared by a freezing-dehydration method nor on products containing in excess of 10 percent of the net weight of ingredients prepared by the freezing-dehydration process. Products prepared by the freezing-dehydration process, or containing in excess of 10 percent of ingredients prepared by the freezing-dehydration process, will be classed per item 76850.	
72007	NOTE—Commodities listed under this generic heading, when tendered for shipment in Packages 2257, 2330, 2375, 2399, 2440, 2443, 2445, 2452, 2456, 2511, 2516, 2519, 2521, 2526, 2528 or 2530, are to be classified under the same provisions that apply when tendered to the carrier in boxes.	
72008	NOTE—Commodities listed under this generic heading, when tendered for shipment in Package 1500, are to be classified under the same provisions that apply when tendered to the carrier in boxes. When unitized on and secured to pallets by stretch or shrink film, commodities will be accepted for shipment in Package 1500 modified so that the film enclosure of the completed package may have end openings. End openings must not exceed one-half the exposed height of the inner containers.	
72041	<b>Baking Powder</b> , in bags, boxes, drums or Packages 2463, 2498, 2499 or 2500 .....	65
72510	<b>Cocktail Mixes or Mixers</b> , liquid, nonalcoholic, other than beverages, see Note, item 72511, in boxes, drums or Packages 2463, 2498, 2499 or 2500 .....	65
72511	NOTE—Applies only on liquid nonalcoholic mixtures, other than beverages, used in the preparation of alcoholic mixed drinks, and are so represented for sales purposes.	
72810	<b>Dressing or Stuffing</b> , bread base, with or without other ingredients, dry; <b>or Bread Crumbs; Bread Cubes or Croutons; or Cracker or Matzo Meal</b> ; in bags, boxes or Packages 1000, 1500 or 2445, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10 .....	150
Sub 2	10 or greater .....	70
72910	<b>Extracts</b> , NOI; <b>Flavoring Compounds</b> , NOI; <b>Imitation Flavors</b> , NOI; <b>or Bottlers' Flavoring Compounds</b> , NOI, see Note, item 72917; liquid, paste or dry, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 72911, 72914 and 72916; in boxes or drums; or dry, in bags or Packages 1000, 2358 or 2440 .....	70
72911	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
72914	NOTE—Inner containers may include plastic or metal molds, or paper, plastic or wooden sticks not in excess of 5 percent of gross weight of package.	
72916	NOTE—There may be included in each package a quantity of sodium salts not in excess of 5 percent of the gross weight of the package.	
72917	NOTE—There may be included in each shipment of Bottlers' Flavoring Compounds a quantity of phosphoric acid solution, alcohol solution, or a combination of both, not in excess of 15 percent of the total shipment weight.	
73250	<b>Foodstuffs</b> , other than frozen, <b>Group III, viz.:</b> <b>Fish Balls;</b> <b>Juice</b> , clam or oyster; <b>Milk, Cream, Buttermilk or Dry Milk Solids</b> , powdered or flaked, with or without vegetable fats not exceeding one percent by weight, also in multiple-wall paper bags; In boxes, crates, drums or Packages 2463, 2498, 2499 or 2500 .....	60

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ITEM	ARTICLE	CLASS
73260	<p><b>FOODSTUFFS GROUP:</b> subject to item 72000</p> <p><b>Foodstuffs, other than frozen, Group IV, viz.:</b></p> <p><b>Bakery Goods</b>, NOI, also in Package 2428;</p> <p><b>Beverage Preparations</b>, NOI, see Note, item 73263, also in Packages 2330 or 2438;</p> <p><b>Coffee, Tea or Herbal Tea</b>, NOI, see Note, item 73261, also in Packages 2330 or 2380;</p> <p><b>Cookies or Crackers</b>, NOI, also in Package 2428;</p> <p><b>Desserts, Dessert Toppings or Related Foods</b>, NOI, see Note, item 73262;</p> <p><b>Foodstuffs</b>, NOI;</p> <p><b>Hot Chocolate or Hot Cocoa Mixes;</b></p> <p><b>Juice</b>, fruit or vegetable, including <b>Juice Concentrates, Juice Beverages, Juice Drinks or Juice Powders or Crystals</b>, see Note, item 73263, also in Packages 2438 or 2467;</p> <p><b>Pasta or Noodles</b>, with or without other ingredients;</p> <p><b>Rice</b>, cleaned or prepared, NOI, with or without other ingredients;</p> <p><b>Snack Foods</b>, NOI;</p> <p><b>Soups or Soup Mixes;</b></p> <p>In bags, boxes, drums or Packages 128, 223, 510, 1000, 1400, 1500, 2093, 2231, 2404, 2414, 2416, 2421, 2425, 2463, 2498, 2499, 2500 or 2507, subject to Item 170 and having a density in pounds per cubic foot of:</p> <p>Sub 1 Less than 1.....</p> <p>Sub 2 1 but less than 2.....</p> <p>Sub 3 2 but less than 4.....</p> <p>Sub 4 4 but less than 6.....</p> <p>Sub 5 6 but less than 8.....</p> <p>Sub 6 8 but less than 10.....</p> <p>Sub 7 10 but less than 12.....</p> <p>Sub 8 12 but less than 15.....</p> <p>Sub 9 15 but less than 22.5.....</p> <p>Sub 10 22.5 but less than 30.....</p> <p>Sub 11 30 or greater.....</p>	<p>400</p> <p>300</p> <p>250</p> <p>175</p> <p>125</p> <p>100</p> <p>92.5</p> <p>85</p> <p>70</p> <p>65</p> <p>60</p>
73261	<p>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; <b>or Coffee Service Kits or Sets</b>, 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.</p>	
73262	<p>NOTE—Provisions for desserts, dessert toppings or related foods include, but are not limited to:</p> <p><b>Crusts</b>, pie or tart;</p> <p><b>Dessert Mixes or Preparations</b>, NOI;</p> <p><b>Dishes, Bowls, Ice Cream Cones or Shells</b>, edible, NOI;</p> <p><b>Dough</b>, prepared;</p> <p><b>Gelatine Dessert;</b></p> <p><b>Sauces or Toppings</b>, ice cream or dessert, NOI, in other than pressurized containers, including <b>Marshmallow Creme, Nuts (Nutmeats) in Syrup, or Sprinkles.</b></p>	
73263	<p>NOTE—Also applies on freeze-dehydrated or freeze-dried beverage preparations or juice powders or crystals.</p>	
73365	<p><b>Fruits or Vegetables</b>, canned or preserved, NOI, other than dehydrated, dried or evaporated, see Note, item 73366, in boxes, drums or Packages 1000, 1264, 2288, 2303, 2438, 2463, 2467, 2498, 2499, 2500 or 2507.....</p>	60
73366	<p>NOTE—Also applies on:</p> <p><b>Beans</b>, edible, with or without other ingredients, NOI;</p> <p><b>Fruit Butter or Pulp;</b></p> <p><b>Jams, Jellies, Marmalades or Preserves</b>, NOI;</p> <p><b>Mushrooms</b>, other than truffles;</p> <p><b>Olives;</b></p> <p><b>Pickles</b>, NOI;</p> <p><b>Pimientos;</b></p> <p><b>Tomatoes</b>, including <b>Tomato Paste, Tomato Pulp or Tomato Puree.</b></p>	
73450	<p><b>Honey</b>, NOI, in boxes, drums or Packages 2463, 2478, 2498, 2499 or 2500.....</p>	60
73990	<p><b>Milk</b>, condensed or evaporated, liquid, with or without vegetable fats, in boxes, drums or Packages 1000, 2463, 2498, 2499 or 2500.....</p>	55
74035	<p><b>Milk or Cream Products</b>, shelf-stable, viz.:</p> <p><b>Milk or Cream</b>, liquid, including <b>Milk Beverages or Milk Drinks;</b></p> <p><b>Milk or Cream Substitutes</b>, including <b>Nondairy Creamers or Plant-Based Milk or Cream Products</b>, NOI;</p> <p>In boxes, drums or Packages 2463, 2498, 2499 or 2500.....</p>	65
74095	<p><b>Molasses or Syrups</b>, not medicated, viz.:</p> <p><b>Agave Syrup (Agave Nectar);</b></p> <p><b>Beverage or Fountain Syrup;</b></p> <p><b>Flavoring Syrup;</b></p> <p><b>Maple Syrup;</b></p> <p><b>Molasses</b>, NOI;</p> <p><b>Syrup</b>, corn, rye, sorghum or wheat, NOI;</p> <p><b>Syrup</b>, malt or malted;</p> <p><b>Syrup</b>, NOI;</p> <p>In boxes, drums or Packages 1000, 2035, 2288, 2402, 2463, 2467, 2498, 2499 or 2500.....</p>	65
74190	<p><b>Oils</b>, cooking or salad, NOI; <b>Cooking Spray</b>, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 74191; <b>or Vegetable Oil Shortening;</b> in boxes, drums or Packages 275, 1000, 2257, 2288, 2330, 2393, 2401, 2415 or 2499.....</p>	65

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ITEM	ARTICLE	CLASS
74191	<b>FOODSTUFFS GROUP:</b> subject to item 72000 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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
74510	<b>Purees, fruit or vegetable, including Applesauce:</b>	70
Sub 1	In pouches, in boxes .....	
Sub 2	NOI, in boxes, drums or Packages 1000, 1264, 2288, 2463, 2498, 2499 or 2500 .....	60
74700	<b>Sauces, Condiments, Dips or Spreads, other than dry, viz.:</b> <b>Barbecue Sauce;</b> <b>Condiments, NOI;</b> <b>Dips, NOI;</b> <b>Gravy;</b> <b>Horseradish, prepared;</b> <b>Hot Sauce or Pepper Sauce;</b> <b>Ketchup (Catsup);</b> <b>Marinades;</b> <b>Mayonnaise;</b> <b>Mustard, prepared;</b> <b>Salad Dressing, including Vinaigrette;</b> <b>Salsa;</b> <b>Sandwich Spreads, NOI, including Cheese Spreads;</b> <b>Sauces, basic food, NOI, including Marinara, Pizza or Spaghetti Sauce;</b> <b>Sauces, cooking or dipping, NOI;</b> <b>Soy Sauce;</b>	
75400	In boxes, drums or Packages 1204, 1400, 1429, 2093, 2288, 2303, 2438, 2463, 2467, 2498, 2499 or 2500 <b>Vinegar, liquid, in boxes, drums or Packages 2463, 2498, 2499 or 2500 .....</b>	65 60
77140	<b>FRUITS OR VEGETABLES, DRIED, GROUP:</b> subject to item 77000 <b>Fruit or Fruit Peel, NOI, not candied, crystallized, glazed nor stuffed:</b> In inner containers in boxes or Package 1264, subject to Item 170 and having a density in pounds per cubic foot of: Less than 15 ..... 15 or greater ..... In bulk in bags, boxes, drums or Package 2445 .....	100 70 65
Sub 1		
Sub 2		
Sub 3		
Sub 4		
111400	<b>LIQUORS, BEVERAGE:</b> see Note, item 111402	
111402	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.	
144600	<b>OILS, OTHER THAN PETROLEUM:</b> see Note, item 144603	
144603	NOTE—Commodities listed under this generic heading when tendered for shipment in Packages 2440, 2452, 2516, 2521, 2526, 2528 or 2530 are to be classified under the same provisions that apply when tendered to the carrier in boxes.	
144900	<b>Essential, natural or artificial, NOI, value declared in writing by the shipper or agreed upon in writing as the released value of the property in accordance with the following, see Note, item 144902, in boxes, drums or Package 2399:</b>	
Sub 1	If not exceeding 50 cents per pound .....	70
Sub 2	If exceeding 50 cents, but not exceeding \$1.00 per pound .....	100
Sub 3	If exceeding \$1.00, but not exceeding \$2.50 per pound .....	200
Sub 4	If exceeding \$2.50, but not exceeding \$5.00 per pound .....	300
Sub 5	If exceeding \$5.00, but not exceeding \$7.50 per pound .....	400
Sub 6	If exceeding \$7.50 per pound or if in glass carboys .....	Not Taken
144902	NOTE—The released value which shall be deemed to relate to each pound separately and not to the shipment as a whole, must be entered on shipping order and bill of lading as follows: “The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per pound.”  <div style="text-align: center;">                         _____                          (Shipper’s Signature)                     </div> (Classes herein based on released value have been authorized by the Interstate Commerce Commission by Released Rates Order No. MC-342 of August 13, 1952.)	



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ITEM	ARTICLE	CLASS
149500	<b>PAINTS GROUP:</b> Articles consist of Paints, Paint Material or Putty, as described in items subject to this grouping, see Note, item 149502.	
149502	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.	
149980	<p><b>Paint and Related Materials</b>, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 149982, <b>viz.:</b></p> <p><b>Additives</b>, paint preserving;  <b>Color</b>, mortar;  <b>Compounds</b>, paint, lacquer, varnish, gum, resin, plastic or adhesive increasing, reducing, removing, thickening or thinning;  <b>Driers</b>, paint or varnish;  <b>Fillers</b>, wood;  <b>Lacquer</b>;  <b>Liquids</b>, bronzing;  <b>Paint Oils</b>;  <b>Paints, Stains or Varnishes</b>, NOI;  <b>Pigments</b>, NOI;  <b>Plasticizers</b>, paint, lacquer, varnish, gum, resin or plastic;  <b>Shellacs</b>;  <b>Solvent</b>, paint, lacquer, varnish, gum, resin, plastic, rubber or adhesive;                      In bags, boxes, drums, pails, intermediate bulk containers (IBCs), portable tanks or Packages 33, 1398, 2138, 2257, 2301, 2335, 2374, 2403, 2404, 2440, 2445, 2463, 2467, 2473, 2499, 2516 or 2521, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1	Less than 20.....	85
Sub 2	20 or greater.....	55
149982	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
154700	<b>PASTE GROUP:</b> see Note, item 154702	
154702	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.	
155000	<b>PESTICIDES GROUP:</b> Articles consist of any substance or mixture of substances intended to prevent, destroy, repel or mitigate any pest, including defoliants, herbicides, fungicides or insecticides, as described in items subject to this grouping, see Notes, items 155001 and 155002.	
155001	NOTE—Materials regulated by the U.S. Department of Transportation as a corrosive, flammable gas, poison or poison gas and required to bear a notice to that effect on bills of lading and packaging are not subject to the provisions of this grouping.	
155002	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.	
155250	<b>PETROLEUM PRODUCTS GROUP:</b> subject to item 155100	
155250	<p><b>Petroleum Oils, Greases and Related Products</b>, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 155252, <b>viz.:</b></p> <p><b>Adhesive or Coating</b>, air filtering element dust arresting;  <b>Alcohols</b>, inedible fatty, NOI;  <b>Fatty Acid</b>, petroleum;  <b>Naphthenic Acid</b>;  <b>Oil</b>, NOI, see Notes, items 155126 and 155255;  <b>Paraffin Wax</b>;  <b>Petrolatum, Petroleum Jelly or Petroleum Petrolatum Preparations</b>, see Note, item 155126;  <b>Petroleum Distillates or Petroleum Products</b>, NOI;  <b>Petroleum Wax</b>;  <b>Transformer Oil</b>;</p>	
155252	In bags, boxes, drums or Packages 589, 602, 926, 1000, 1500, 2096, 2342, 2440, 2445, 2452, 2454, 2473, 2500, 2516, 2526, 2528 or 2530.....	65
155252	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
155255	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.	
156200	<b>PLASTIC MATERIALS, OTHER THAN EXPANDED, GROUP:</b> subject to item 156100	
156200	<b>Flakes</b> , NOI, <b>Granules, Lumps, Pellets, Powder or Solid Mass</b> , other than as described in items 46030 and 46032, in bags, boxes, drums, pails or Packages 1324, 2203, 2211, 2231, 2264, 2301, 2306, 2317, 2331, 2350, 2500 or 2501.....	60
156240	<b>Liquid</b> , NOI, other than as described in items 46030 and 46032 and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 156241, in boxes, drums or Packages 2440, 2445, 2516 or 2521.....	60
156241	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
171720	<b>RUBBER MATERIALS GROUP:</b> subject to item 171600	
171720	<b>Latex</b> , liquid, in drums, in inner containers in boxes or in Package 2445.....	60
176325	<b>Silica</b> , colloidal, liquid, in drums, in containers in boxes or in Packages 2440 or 2521.....	55

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ITEM	ARTICLE	CLASS
176520	<b>Sizing</b> , emulsified petroleum, see Note, item 176522, in bulk in drums or in Packages 2440 or 2521 .....	55
176522	NOTE—Applies on a mixture of petroleum oil, petroleum wax or petrolatum and water, rosin or emulsifying agents, the petroleum oil, petroleum wax or petrolatum not to exceed 52 percent and the rosin or emulsifying agents, singly or combined, not to exceed 15 percent of the total weight.	
176540	<b>Sizing</b> , NOI, in inner containers in boxes, or in bulk in drums, pails or Packages 2440 or 2521; also dry, in bulk in bags or Package 1457.....	60
176560	<b>Sizing</b> , rosin, in drums or Packages 2440 or 2521, or dry, in bags .....	65
176960	<b>Softeners</b> , fabric or textile:	
Sub 1	In tablet, granular or powdered form, contained in dispensing pads or packets, in boxes.....	200
Sub 2	Contained or impregnated in cloth or paper sheets, in boxes.....	100
Sub 3	Contained or impregnated in foam, cellular or expanded plastic sheets or sheeting, in inner retail containers, in boxes	125
Sub 4	NOI, in boxes, in bulk in bags or drums or in Packages 2412, 2440 or 2473.....	55
178740	<b>Starch</b> , liquid, in boxes, drums or Package 2445 .....	55
178760	<b>Starch</b> , NOI:	
Sub 1	In inner containers in boxes .....	60
Sub 2	In bulk in bags, boxes, drums, pails or Package 2445.....	55
196500	<b>Water</b> , mineral, NOI, or plain (not flavored nor phosphated):	
Sub 1	Carbonated (charged), in inner containers in boxes, or in metal cylinders.....	60
Sub 2	Other than carbonated, distilled or other than distilled:	
Sub 3	In carboys.....	100
Sub 4	In inner containers other than intravenous dispensing type, in boxes, in Package 1428, or in bulk in drums or Package 2478 .....	60

**SPECIFICATIONS FOR NUMBERED PACKAGES**

**Package 2399**

**SHIPPING CONTAINER:** A double cover box (DC), of tube and cap style, octagonal in shape, having a liner and inner film bag.

**Outer Tube**—Doublewall corrugated fiberboard testing not less than 400 pounds having eight sides.

**Inner Liner**—Two plies of doublewall corrugated fiberboard, each ply testing not less than 400 pounds, laminated together.

**Inner Bag**—Two-ply polyethylene-film bag, each ply not less than 5 mils in thickness.

**Caps**—Common top and bottom of doublewall corrugated fiberboard testing not less than 350 pounds. Flanges of top and bottom caps must fit between tube and laminated inner liner. Octagonal-shaped top pad of 350 pound test fiberboard must be placed on top cap prior to vertical banding.

**Banding**—Girth banding must be manufactured into the outer tube and inner liner as these parts are being corrugated. The banding must be of 1/2-inch sesame tape (nylon material having a 225-pound tensile strength) applied in eight locations of the outer tube and in five locations of the inner liner. The sesame tape must be applied between the outermost paperboard liner and the first layer of corrugated medium of the outer tube and the inner liner.

Container must be secured to base by banding vertically in two (2) opposite directions with 0.029 x 0.50-inch steel strapping.

**Base**—A double-faced 2-way entry hardwood pallet.

**GROSS WEIGHT:** Not to exceed 4,000 pounds.

**Note 1**—This shipping container is not to be reused once contents have been removed.

**Note 2**—Container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 x 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1 1/2 inches in height with 'CONTENTS' printed below in letters of 1/2 inch in height.

**Package 2440**

Applicable only for nonhazardous commodities as described in items referencing this Package.

**SHIPPING CONTAINER:** A double cover box (DC), of tube and cap style, octagon in shape, having a liner and inner film bladder (see Notes 1 and 2).

**Tube**—Constructed of two plies of 400 pound test doublewall corrugated fiberboard, laminated together, or one ply of ECT 112 triplewall corrugated fiberboard, having eight sides. Triplewall construction may be used only for container with a volume capacity of 275 gallons or less. Each ply of doublewall must have a combined weight of facings of 180 pounds per thousand square feet. Facings must be firmly glued to corrugated mediums with a moisture-resistant adhesive which cannot be dissolved in water after the glue application has set.

**Inner Liner**—Two plies of 400 pound test doublewall corrugated fiberboard or ECT 112 triplewall corrugated fiberboard common to outer tube.

**Inner Bag**—Polyethylene film bag constructed of 3 plies, each not less than 3.2 mils in thickness.

**Caps**—Common top and bottom of corrugated fiberboard testing not less than 350 pounds, facings firmly glued to the corrugated medium with a moisture-resistant adhesive which cannot be dissolved in water after the glue application has set, or of 3-ply Kraft solid fiber 0.075 caliper, 275 pounds per 1,000 square feet, burst testing 500 pounds.

**Bottom Insert**—Die-cut pad of 3-ply Kraft solid fiber, 0.075 caliper, 275 pounds per 1,000 square feet, burst testing 500 pounds.

**Banding**—Container must be banded with 5/8 inch steel strapping, twice vertically and once girthwise at mid-height. Bottom cap must be steel banded girthwise.

**Base**—2- or 4-way entry wooden pallet constructed having 5/8 inch solid plywood top deck or 1 inch top boards with not more than 1.5 inch spacing of adequate size and construction to support shipping container with no overhang. Container must be vertically banded to pallet.

**GROSS WEIGHT:** Not to exceed 4,000 pounds.

**Note 1**—This shipping container is not to be reused once contents have been removed.

**Note 2**—Container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 x 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1 1/2 inches in height with 'CONTENTS' printed below in letters of 1/2 inch in height.

**Package 2445**

**SHIPPING CONTAINER:** Tube and cap style container having an inner liner and plastic film bag, outfitted with an integral slip sheet.

**Tube**—Doublewall corrugated fiberboard testing in accordance with table under gross weight. Facings must be firmly glued to corrugated medium with a moisture resistant adhesive which cannot be dissolved in water after the glue application has set. Four bottom flaps of tube must be folded in and glued to each other with waterproof glue to effect a smooth inner bottom.

**Inner Liner**—Doublewall or triplewall corrugated fiberboard testing in accordance with table under gross weight. Facings must be firmly glued to corrugated medium with a moisture resistant adhesive which cannot be dissolved in water after the glue application has set. Inner liner must be designed so as to exceed the height of the tube.

**Inner Bag**—Polyethylene bag constructed of 2 plies, each not less than 4 mils in thickness.

**Cap**—Top cap constructed of doublewall corrugated fiberboard testing not less than 500 pounds.

**Base**—Shipments must be palletized.

**Closure**—To be accomplished with plastic tamper evident clips.

**GROSS WEIGHT:**

Minimum Test of Fiberboard

Maximum Gross Weight	Tube	Inner Liner
800 lbs.	500 Doublewall	600 Doublewall
2,000 lbs.	500 Doublewall	1350 Triplewall
4,000 lbs.	600 Doublewall	2 / 1350 Triplewall (laminated)

**Note**—When contents are of a liquid nature, container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 x 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1 1/2 inches in height with 'CONTENTS' printed below in letters of 1/2 inch in height.

## SPECIFICATIONS FOR NUMBERED PACKAGES

**Package 2452**

**SHIPPING CONTAINER:** Liquid bulk-bin style regular slotted container (RSC) having a form-fit molded plastic liner, unit secured to a pallet.

**Body**—Regular slotted container (RSC) of multiple plies of doublewall corrugated fiberboard having all flaps fully glued. Fiberboard must have a combined bursting test of 900 pounds, combined facing weight of not less than 574 pounds per 1,000 square feet and a minimum thickness of 0.625 inches. Unit must be secured to the pallet base.

**Liner**—Body must be outfitted with an inner liner of high density polyethylene, blow molded to fit inside dimensions, having a minimum thickness of 50 mils.

**Base**—Double-face wooden pallet of sound construction.

**GROSS WEIGHT:** Not to exceed 4,000 pounds.

**Note**—This container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 × 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1½ inches in height with 'CONTENTS' printed below in letters of ½ inch in height.

**Package 2458**

**SHIPPING CONTAINER:** A special slotted octagonal container of half-slotted style, having a separate liner and pad, with top cover.

**Container**—A triplewall corrugated fiberboard half-slotted container testing not less than 1,100 pounds with bottom flaps.

**Inner Liner**—A full-height triplewall corrugated fiberboard top flanged tube testing not less than 1,100 pounds, common to outer container.

**Bottom Pad**—A die-cut full dimension pad of 275 pound test corrugated fiberboard.

**Inner Bag**—PVC film bag, total thickness of 20 mils.

**Cap (Cover)**—Die-cut cover must be of corrugated fiberboard testing not less than 275 pounds.

**Banding**—

(1) Container must be banded with ¾ inch steel strapping, securing cap to container and container to pallet base.

(2) Container must be banded with two ¾ inch steel straps around its girth within the bottom third to half of its height.

**Base**—A two-way entry wooden pallet.

**Gross Weight**—Not to exceed 2,700 pounds.

**Note 1**—This shipping container is not to be reused once contents have been removed.

**Note 2**—Container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 × 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1½ inches in height with 'CONTENTS' printed below in letters of ½ inch in height.

**Package 2473**

Applicable only for nonhazardous commodities as described in items referencing this Package.

**SHIPPING CONTAINER:** Octagonal bulk shipping container with top cap and laminated inner liner secured to a pallet (see Notes 1 and 2).

**Body**—Doublewall corrugated fiberboard testing 450 pounds with top and bottom flanges of not less than four inches. Body must be strapped girthwise horizontally with not less than five steel straps.

**Inner Liner**—Two thicknesses of triplewall corrugated fiberboard laminated not less than 80% of area of contact to form a full height inner liner.

**Inner Bag**—PVC film bag or multiwall polyethylene bag, total thickness not less than 9 mils.

**Cap**—Design style corrugated fiberboard testing 275 pounds having a flange of not less than four inches.

**Base**—Wood pallet of sound construction of greater dimensions than container.

**GROSS WEIGHT:** Not to exceed 3,000 pounds.

**Note 1**—This shipping container is not to be reused once contents have been removed.

**Note 2**—Container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 × 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1½ inches in height with 'CONTENTS' printed below in letters of ½ inch in height.

**Package 2478**

Applicable only for nonhazardous commodities as described in items referencing this Package.

**SHIPPING CONTAINER:** A filament-reinforced corrugated fiberboard liquid bulk-style container, octagonal in shape, having a one-piece body, top cap, bottom inner pad and a plastic film bag with optional bottom valve discharge, palletized (see Notes 1 and 2).

**Body**—Die-cut, one-piece triplewall corrugated fiberboard testing not less than 1,100 pounds, reinforced upward not less than ¾ the height of the body with an exterior girth wrap of high tensile strength filament substrate.

**Top Cap**—Die-cut, one-piece doublewall corrugated fiberboard testing not less than 350 pounds.

**Bottom Inner Pad**—Die-cut, one-piece doublewall corrugated fiberboard testing not less than 350 pounds, full dimension of octagonal shape; **OR** die-cut triplewall integrated bottom with body sidewalls.

**Film Bag**—Polyethylene film, of not less than two plies, having a total mil thickness of not less than 8 mils or one 20-mil PVC bag, with an optional bottom discharge.

**Banding**—Container must be banded to pallet vertically in four places, two bands lengthwise and two bands widthwise. Container must be banded to the pallet using ¾-inch × 0.022 gauge steel strapping or equivalent.

**Base**—Two-way-entry wooden pallet of sound construction. Container must be vertically banded to pallet.

**GROSS WEIGHT:** Not to exceed 4,500 pounds.

**Note 1**—This shipping container is not to be reused once contents have been removed.

(Continued on following page)

## SPECIFICATIONS FOR NUMBERED PACKAGES

**Package 2478 (Continued)**

**Note 2**—Container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by printing in color differing from any other container printing. Label must be of horizontal rectangular 4 × 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1½ inches in height with 'CONTENTS' printed below in letters of ½ inch in height.

**Package 2496**

**SHIPPING CONTAINER:** Liquid bulk-bin style container consisting of a doublewall corrugated inner sleeve and a doublewall outer carton with flaps, having a form-fit molded polyethylene liner. The entire unit is secured to a wood pallet.

**Body**—Body consists of a 600 pound test doublewall corrugated inner sleeve; a 600 pound test doublewall outer carton with flaps; and four triangular, wood corner posts.

**Liner**—Body is outfitted with an inner blow-molded liner of high density polyethylene to fit inside dimensions, and has nominal wall thickness of 0.05-inch average, an 8-inch top fill opening with screw cap, and a 2-inch diameter discharge fitting welded to side at bottom. Both cap and valve are recessed. The liner rests on a pad constructed of expanded polystyrene.

**Base**—Double-face wood pallet of sound construction.

**GROSS WEIGHT:** Not to exceed 4,000 pounds.

**Note 1**—This shipping container is not to be reused once contents have been removed.

**Note 2**—Container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 × 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1½ inches in height with 'CONTENTS' printed below in letters of ½ inch in height.

**Package 2499**

Applicable only for nonhazardous commodities as described in items referencing this Package.

**SHIPPING CONTAINER:** A wound, multiple-ply corrugated fiberboard container of tube and cap style, square in shape, having an inner film bladder (see Notes 1 and 2).

**Sleeve**—A convolute winding adhering 8 plies of corrugated fiberboard forming a square vertical sleeve, each ply constructed of 69 pound linerboard and a 33 pound medium. Sleeve must have integral cross-bracing of two opposite corners at top of sleeve, with bottom outfitted with a full-dimension tray when set up.

**Inner Bag**—Polyethylene film bag constructed of three plies having a total thickness of 9 mils or one ply of polyvinyl chloride (PVC) having a thickness of 12 mils.

**Top Cap**—Design style of corrugated fiberboard testing 275 pounds.

**Banding**—Container must be banded with steel or plastic strapping, twice vertically in each cross direction. In lieu of banding, container may be secured to pallet by roping plastic stretch film in a cross-corner locking pattern.

**Base**—Container must be secured to a 2-way entry wooden pallet.

**GROSS WEIGHT:** Not to exceed 3,400 pounds.

**Note 1**—The shipping container is not to be reused once contents have been removed.

**Note 2**—Container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 × 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1.5 inches in height, with 'CONTENTS' printed below in letters of ½ inch in height.

**Package 2500**

Applicable only for nonhazardous commodities as described in items referencing this Package.

**SHIPPING CONTAINER:** A single-cover box with special die-cut bottom attached with die-cut cap, octagonal in shape, having a corrugated fiberboard tube and inner sleeve laminated to form the body, and an inner film bladder. (See Notes 1 and 2.)

**Outer Tube**—Constructed of two eight-sided fiberboard forms, as follows: an inner 500 pound test doublewall corrugated fiberboard tube laminated to an outer 350 pound test singlewall fiberboard tube. Facings must be firmly glued to corrugated medium.

**Inner Tube**—Eight-sided tube constructed of 600 pound test doublewall corrugated fiberboard with five integral strips of reinforcing tape strategically positioned between outer facing and corrugated medium. Outer tube must be laminated to inner tube. Manufacturer's joint must be a minimum of four inches in width, firmly glued entire depth of container.

**Inner Liner**—Eight-sided tube constructed of 600 pound test doublewall corrugated fiberboard with five integral strips of reinforcing tape strategically positioned between outer facing and corrugated medium. Manufacturer's joint must be a minimum of four inches in width and must be firmly glued the entire depth of the tube.

**Inner Bag**—Form-fitting, single-ply polyvinylchloride bag not less than 20 mils in thickness or minimum 3-ply polyethylene film bag with each ply not less than 4 mils in thickness for liquid product. Minimum one-ply not less than 4 mils in thickness may be used for dry product. Bag mounted on die-cut cartridge pad constructed of 350 pound test doublewall corrugated fiberboard having eight sides with one of the eight designed to firmly hold bag-dispensing flange in place. Facings must be firmly glued to corrugated medium.

**Bottom Cap**—Die-cut corrugated fiberboard testing not less than 350 pounds, forming eight connected panels having a flange height of six inches. Panels must be securely glued to surface of the outer tube.

**Top Cap**—Die-cut corrugated fiberboard testing not less than 350 pounds, having a flange depth of six inches.

**Top Protector**—A 4-piece wooden frame must be placed on top of container banded in place with 5/8-inch steel strapping, twice vertically in one direction and twice vertically in the crosswise direction, the banding securing the unit to the base.

**Base**—Two-way-entry wooden pallet having a top deck of adequate size and construction to support shipping container with no overhang.

**GROSS WEIGHT:** Not to exceed 4,200 pounds.

**Note 1**—This shipping container is not to be reused once contents have been removed.

(Continued on following page)

## SPECIFICATIONS FOR NUMBERED PACKAGES

**Package 2500 (Continued)**

**Note 2**—Containers with liquid contents must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 × 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters 1½ inches in height with 'CONTENTS' printed below in letters of ½ inch in height.

**Package 2510**

Applicable only for nonhazardous commodities as described in items referencing this Package.

**SHIPPING CONTAINER:** A modified half-slotted container (HSC) having an outer top cap, an inner fiberboard liner and an inner film bladder (see Notes 1 and 2).

**Tube**—Constructed of 3 plies of 425 pound test doublewall corrugated fiberboard, laminated together, forming a sidewall thickness of 1⅞ inches.

**Inner Liner**—A double-cover (DC) style container of octagonal shape having a triplewall corrugated fiberboard sidewall tube testing 1,100 pounds.

Common top and bottom caps must be constructed of corrugated fiberboard testing 275 pounds.

**Top Pad**—Full-dimension triplewall corrugated fiberboard pad testing 1,100 pounds must be placed over inner container top cap.

**Top Outer Cap**—Corrugated fiberboard testing 350 pounds having a flange depth of not less than eight inches.

**Inner Bag**—Polyethylene film bag constructed of 2 plies, each not less than 5 mils in thickness.

**Banding**—Container must be banded with steel strapping, twice vertically in cross directions.

**Base**—Four-way-entry wooden pallet constructed having top deck of adequate size and construction to support shipping container with no overhang. Container must be vertically banded to pallet.

**GROSS WEIGHT:** Not to exceed 4,000 pounds.

**Note 1**—This shipping container is not to be reused once contents have been removed.

**Note 2**—Container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 × 7-inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1½ inches in height with 'CONTENTS' printed below in letters of ½ inch in height.

**Package 2515**

Applicable only for nonhazardous commodities as described in items referencing this Package.

**SHIPPING CONTAINER:** Octagonal bulk shipping container with top cap and laminated inner liner secured to a pallet (see Notes 1 and 2).

**Body**—Two thicknesses of triplewall corrugated fiberboard testing 1,300 pounds laminated not less than 80 percent of area of contact. Body must be strapped girthwise horizontally with not less than five steel straps.

**Inner Bag**—Multiwall polyethylene bag, total thickness not less than 12 mils.

**Cap**—Design-style corrugated fiberboard testing 275 pounds having a flange depth of not less than four inches.

**Base**—Wooden pallet of sound construction having greater dimensions than container. Container must be positioned on pallet by top-face corner cleats and secured to pallet by four steel bands, vertically banded 2 × 2.

**GROSS WEIGHT:** Not to exceed 3,000 pounds.

**Note 1**—This shipping container is not to be reused once contents have been removed.

**Note 2**—Container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 × 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1½ inches in height with 'CONTENTS' printed below in letters of ½ inch in height.

**Package 2521**

**SHIPPING CONTAINER:** A special slotted 55-gallon octagonal liquid container of half-slotted style, having an outer body, liner, bottom insert, film liner and top cap.

**Body**—An octagonal outer body of doublewall corrugated fiberboard modified half-slotted container testing 350 pounds having bottom center tuck flaps.

**Liner**—Form-fitting, full-height inner tube of doublewall corrugated fiberboard testing 400 pounds.

**Bottom Insert**—A die-cut scored and folded solid fiber insert of 276 pound test having flanges extending upward within container.

**Inner Bag**—ULDPE-film bag constructed of two plies of 4-mil film totalling 8 mils or an equivalent aseptic bag having a metallic/film lamination.

**Top Cap**—Solid fiber of 276 test, common to bottom insert, recessed and outfitted with a top fitting for filling and emptying. Containers having an aseptic inner bag must have an additional top cap constructed of corrugated fiberboard testing 275 pounds.

**Capacity**—Not to exceed 55 gallons.

**Markings**—Container must be placarded with precautionary warning labels on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 × 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1½ inches in height with 'CONTENTS' printed below in letters of ½ inch in height.

## SPECIFICATIONS FOR NUMBERED PACKAGES

**Package 2526**

Applicable only for nonhazardous commodities as described in items referencing this Package.

**SHIPPING CONTAINER:** A woven polypropylene nonreusable liquid bulk style container, square or octagonal in shape, having four internally concealed integrated reinforcement wood panels in a one-piece body, with a top cap and top or bottom discharge, palletized.

**Body**—One-piece 6.5 ounce woven polypropylene up to 330 gallons in size having pockets to accept wooden panels as sidewalls. Wood, oriented strand board (OSB), must be not less than  $\frac{1}{4}$  inch in thickness having two full-height 2 x 4 wooden vertical support members.

**Top Cap**—One-piece construction either of corrugated fiberboard of 275 pound test, having an inner 350 pound test doublewall inner pad, or oriented strand board (OSB) of not less than  $\frac{1}{4}$  inch in thickness.

**Inner Bag**—Polyethylene film of not less than 2 plies, having a total mil thickness of not less than 10 mils, or one 20-mil PVC bag with an optional bottom discharge.

**Banding**—Container must be banded to pallet vertically in four places, two bands lengthwise and two bands widthwise. Container must be banded to the pallet using  $\frac{3}{4}$  inch x 0.022 gauge steel strapping or equivalent.

**Pallet**—Two-way or four-way entry wooden pallet of sound construction. Container must be vertically banded to pallet.

**GROSS WEIGHT:** Not to exceed 4,000 pounds.

**Note 1**—This shipping container is not to be reused once contents have been removed.

**Note 2**—Container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 x 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of  $1\frac{1}{2}$  inches in height with 'CONTENTS' printed below in letters of  $\frac{1}{2}$  inch in height.

**Package 2528**

Applicable only for nonhazardous commodities as described in items referencing this Package.

**SHIPPING CONTAINER:** A woven polypropylene nonreusable liquid bulk style container of 300 gallons maximum capacity, square or octagonal in shape, having 8 internally concealed wood uprights in a one-piece body with top and bottom discharge, palletized.

**Body**—One-piece 6.5-ounce woven polypropylene having 8 internal pockets to accept 2 x 4 upright stiffeners having an integrated woven polypropylene cap.

**Inner Bag**—Polyethylene film of not less than 2 plies, having a total mil thickness of not less than 8 mil or one 20 mil PVC bag with an optional bottom discharge.

**Pallet**—Two-way or four-way entry wooden pallet of sound construction.

**GROSS WEIGHT:** Not to exceed 4,000 pounds.

**Note 1**—This shipping container is not to be reused once contents have been removed.

**Note 2**—Container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 x 7 inch dimensions containing a bold border within which is printed the word 'LIQUID' in bold letters of  $1\frac{1}{2}$  inches in height.

**Package 2530**

Applicable only for nonhazardous commodities as described in items referencing this Package.

**SHIPPING CONTAINER:** A woven polypropylene reusable liquid bulk-style container, square or rectangular in shape, having a one-piece body with a top or bottom discharge and a composite plastic pallet with four-way entry.

**Body**—One-piece 6.5-ounce woven polypropylene bag, capacity not to exceed 330 gallons, having four corner pockets to accept vertical galvanized steel or composite poles.

**Side Panels**—Eight vertical galvanized steel or composite poles spaced equally on all four sides of the package and held in place by internally molded sockets.

**Inner Bag**—Two-ply polyethylene film bag having a total thickness of not less than 8 mils **OR** one-ply PVC bag having a total thickness of 20 mils, either with an optional bottom discharge.

**Pallet**—Composite plastic four-way entry pallet with a full top deck and internal sockets to receive the base of the eight side and four corner vertical poles.

**Banding**—Container must be banded to pallet vertically in four places, two bands lengthwise and two bands widthwise. Container must be banded to the pallet using  $\frac{1}{2}$  inch poly straps or equivalent.

**Top**—Composite plastic top with twelve internal sockets to receive the top of the twelve vertical poles with integrated polypropylene lid.

**GROSS WEIGHT:** Not to exceed 4,000 pounds.

**Note 1**—This shipping container can be reused once contents have been removed.

**Note 2**—Container must be placarded with a precautionary warning label on two outside opposite vertical panels in a prominent manner either by printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 x 7 inch dimensions containing a bold border within which is printed the word 'LIQUID' in bold letters of  $1\frac{1}{2}$  inches in height.

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## RULES

## ITEM 280

## DEFINITION OF OR SPECIFICATIONS FOR INTERMEDIATE BULK CONTAINERS (IBCs)

**General Definition and Specifications**

**Sec. 1.** Intermediate Bulk Containers (IBCs) are large flexible, semi-rigid or rigid portable packages that permit handling with mechanical equipment and may be constructed from a variety of materials including fabric, fiberboard, metal, plastic or wood, or a combination thereof, see Secs. 2 and 3 herein. The receptacle of an IBC has a volumetric capacity of not more than 3,000 liters (793 gallons or 106 cubic feet) and not less than 450 liters (119 gallons or 15.9 cubic feet) or a maximum net mass of not less than 400 kilograms (882 pounds). They must be designed with handles, straps, legs, an integral lift truck skid, pallet or platform base, or be secured on a lift truck skid, pallet or platform so as to provide for mechanical equipment to safely pick up the container, and must be constructed so as to sufficiently contain and protect the contents and withstand the normal rigors of the less-than-truckload environment. IBCs intended for stacking must have an integral stacking alignment or securing design feature. IBCs must be securely closed, and sufficient outage must be left within the IBC to ensure that the package will not leak or be permanently distorted as a result of liquid expansion due to change in temperatures likely to be encountered during transportation. IBCs designed for the transport of solid materials must be sift-proof and water-resistant. Bottom valves must be secured in the closed position, have a secondary means of sealing and must sufficiently protect against damage (e.g. shearing).

**Flexible IBCs (FIBCs)**

**Sec. 2.** Flexible IBCs (FIBCs) may be used for dry commodities only and must be constructed as follows and meet the performance requirements specified herein. FIBCs must be made from coated or uncoated polyethylene or polypropylene woven fabric so constructed as to contain and protect the contents and withstand the normal rigors of the less-than-truckload environment. Handles or straps must harness, encircle or be securely attached to the FIBC body to facilitate handling by mechanical equipment. FIBCs with spouts for discharging purposes, or with top or bottom filling or discharging openings, must be secured by means that will provide a sift-proof closure. FIBCs on lift truck skids, pallets or platforms must have the FIBC body placed within a fiberboard tray, with or without a separate fiberboard sleeve, and the depth of the tray or tray and sleeve, as the case may be, must extend at least 20 inches from the lift truck skid, pallet or platform deck. FIBC body, tray and, where present, sleeve must not overhang the deck, and the entire handling unit must be secured together with plastic film. FIBCs may be used again in transportation only when they are in such condition that they will protect contents as effectively as new containers.

**► Nonhazardous Liquids in Fiberboard IBCs with Inner Plastic Film Bag or Liner**

**Sec. 3.** Nonhazardous liquids may be shipped in fiberboard IBCs having an inner plastic film bag or liner, secured on a lift truck skid, pallet or platform, meeting the following minimum specifications:

**Base:** IBCs must be secured to a lift truck skid, pallet or platform base of sufficient design, size and strength to ensure weight of IBC does not cause any failure of structural components. See Item 265.

**Fiberboard Container** must be six-sided or octagonally shaped with a top cap and bottom tray made of triplewall corrugated fiberboard. Container must be of sufficient size and strength to support and contain the capacity and weight of the inner plastic film bag or liner and its contents during transportation.

**Inner Plastic Film Bag or Liner** must have appropriate mil thickness or number of plies, in addition to having sufficient outage, to fully contain contents and prevent any leakage or seepage during transport.

**Securement and Unitization:** Fiberboard container must not overhang the lift truck skid, pallet or platform deck and must be secured to the lift truck skid, pallet or platform by strapping in opposing directions, with at least two straps in each direction.

**Markings:** Container must be placarded with precautionary warning labels on two outside opposite vertical panels in a prominent manner by either printing or by application of a pressure-sensitive label, differing in color from any other container printing. Label must be of horizontal rectangular 4 x 7 inch dimensions containing a bold border within which are printed the words 'LIQUID' in bold letters of 1½ inches in height with 'CONTENTS' printed below in letters of ½ inch in height.

**Gross weight of container and contents** not to exceed 4,000 pounds.

**Use for Hazardous Materials**

**Sec. 4.** IBCs used for the transportation of hazardous materials must be in conformance with the applicable requirements of Title 49 of the Code of Federal Regulations (CFR). ASTM D7387, Standard Test Method for Vibration Testing of Intermediate Bulk Containers (IBCs) Used for Shipping Liquid Hazardous Materials (Dangerous Goods), may be used to test the integrity of the IBC, providing the 49 CFR requirements have been met.

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ITEM	ARTICLE	CLASS
4625	<b>Adhesives, NOI, Adhesive Cements, NOI, Adhesive Glues, NOI, or Adhesive Pastes, NOI</b> , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 4626, in bags, boxes, drums, pails, intermediate bulk containers (IBCs), portable tanks or ►Packages 1398, 2213, 2463, 2467 or 2516, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 15.....	100
Sub 2	15 but less than 22.5 .....	70
Sub 3	22.5 but less than 30 .....	65
Sub 4	30 or greater.....	55
△4626	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
30040	<b>Brake, Shock Absorber or Hydraulic System Fluid</b> , other than petroleum, in boxes, drums or ►Package 689.....	70
41960	☛ <b>Cement</b> , container, liquid or paste, see Note, item 41962, ►in boxes or drums.....	60
△41962	NOTE—Applies on cement for hermetically sealing glass or metal containers.	
42600	► <b>CHEMICALS GROUP:</b>	
42603	NOTE—☒Cancel; no further application.	
43940	☛ <b>Chemicals, NOI</b> , see Note, item 43941, in bags, boxes, drums, pails, intermediate bulk containers (IBCs) or ►Packages 2258 or 2456, 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 but less than 30 .....	70
Sub 4	30 or greater.....	55
△43941	NOTE—Unless otherwise provided, also applies on materials regulated by the U.S. Department of Transportation as Combustible Liquids in containers with a maximum capacity of 119 gallons or less, as defined in 49 CFR §173.120, and on materials moving under a limited quantity exception, as defined in 49 CFR Part 173, Subpart B.	
46030	<b>Resins, coal tar or petroleum, or Resin Compounds</b> , see Note, item 46032, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 46031, in bags, boxes, drums or ►Package 2501 .....	55
△46031	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
△46032	NOTE—Applies only on coumarone-indene, petroleum polymer or petroleum hydrocarbon resins, or on resin compounds, not commercially suitable for molding or extruding purposes, in liquid, powder, flake, lump or solid mass form. Applies on such resins or resin compounds only when: (1) the resin or rosin does not exceed 50 percent by weight of contents; <b>OR</b> (2) the resin or rosin exceeds 50 percent by weight of contents provided that the actual value does not exceed 60 cents per pound and is so certified by the shipper on shipping orders and bills of lading at time of shipment. If the actual value exceeds 60 cents per pound or if no value is shown by the shipper at time of shipment, item 156200, naming 'Plastic Flakes, NOI, Granules, Lumps, Pellets, Powder or Solid Mass,' or item 156240, naming 'Liquid Plastic, NOI,' will apply, with the final determination of item dependent on the form of the resin or resin compound.	
48580	<b>Cleaning, Scouring or Washing Compounds</b> , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 48583 and 48585, <b>viz.:</b> <b>Bluing</b> , laundry; <b>Cleaning, Scouring or Washing Compounds, NOI;</b> <b>Degreasers;</b> <b>Detergents;</b> <b>Soap</b> , liquid or other than liquid, including <b>Soap Powder, NOI;</b> In bags, boxes, drums, pails, intermediate bulk containers (IBCs) or ►Packages 602, 1333, 2039, 2189, 2213, 2289, 2309, 2341, 2355, 2393, 2398, 2410, 2463, 2467 or 2479.....	70
△48583	NOTE—Does not apply on hand soap in freestanding bottles or containers with integral pump. For applicable provisions, see item 59363.	
△48585	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
50140	<b>Compounds</b> , defoaming, see Note, item 50142:	
Sub 1	Emulsified oil and not less than 50 percent by weight of water, ►in bulk in drums .....	55
Sub 2	NOI, ►in boxes, drums or pails.....	70
△50142	NOTE—Applies only on compounds designed to prevent formation of foam in industrial processes.	
50227	<b>Compounds</b> , industrial process water treating, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 50228 and 50229:	
Sub 1	Liquid, ►in boxes or drums.....	60
Sub 2	Dry, in bags, boxes or drums .....	55
△50228	NOTE—Applies only on compounds which are of a bactericidal, fungicidal, corrosion-inhibiting or particle-dispersing nature, such as used in treatment of water during manufacture of leather, paint or paper.	
△50229	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	

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ITEM	ARTICLE	CLASS
50232 Sub 1 Sub 2 Sub 3 Sub 4	<p><b>☛Compounds</b>, iron or steel cleaning, NOI, other than corrosive materials:                      Dry, in drums .....                      Liquid:                      In carboys .....                      ▶ In drums.....</p>	55    100 55
50234 Sub 1 Sub 2 Sub 3	<p><b>☛Compounds</b>, iron or steel rust preventing or removing, NOI, other than corrosive materials and other than petroleum:                      In carboys other than plastic carboys .....                      In plastic carboys, or in inner containers in boxes .....                      ▶ In bulk in drums, see Note, item 50235.....</p>	100 77.5 65
△50235	NOTE—Also applies on shipments in flexible square or rectangular molded plastic containers of three gallons capacity, but not over five gallons capacity, contained in fiberboard boxes.	
50420	<b>☛Compounds or Agents</b> , proprietary electroplating additive, other than corrosive materials, see Note, item 50421, ▶ in bags, boxes or drums.....	55
△50421	NOTE—Applies only on proprietary compounds or agents formulated to enhance the quality of finish in electroplating processes.	
50455	<b>Compounds or Lubricants</b> , metal cutting, drawing or drilling, dry, liquid or paste, NOI, see Note, item 50456, ▶ in boxes, drums or pails .....	70
△50456	NOTE—Does not apply on compounds or lubricants containing in excess of 50 percent petroleum. See item 155250 for applicable provisions when petroleum content exceeds 50 percent.	
57100  Sub 1 Sub 2 Sub 3	<p><b>Deodorants</b>, NOI, other than contained in or in the form of decorations, novelties or ornaments, see Note, item 57101, or <b>Disinfectants</b>, NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 57102 and 57103:                      In carboys.....                      In inner containers in boxes or Package 2341.....                      In bulk in drums, pails or ▶ Package 2213.....</p>	100  85 60
△57101	NOTE—Does not apply on deodorants contained in or in the form of decorations, novelties or ornaments. For applicable classes, see item 56290.	
△57102	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
57220	<b>Dextrin or British Gum</b> , liquid, ▶ in drums.....	55
<b>DRUGS, MEDICINES, TOILET PREPARATIONS OR PERSONAL CARE PRODUCTS</b>		
<b>GROUP:</b> subject to item 58500		
59420          Sub 1 Sub 2 Sub 3	<p><b>Toilet Preparations or Personal Care Products</b>, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 59421, viz.:  <b>Cosmetics</b>, NOI, including <b>Eyeliner, Eye Shadow, Face Powder, Foundation, Lip Balm, Lip Gloss, Lipstick or Mascara</b>;  <b>Creams, Lotions, Moisturizers or Oils</b>, body, face or hand, NOI, including <b>Sunscreen or Suntan Lotions or Oils</b>;  <b>Hair Bleaching or Coloring Kits</b>;  <b>Hairspray or Hair Styling Products</b>, including <b>Hair Gel, Mousse, Oil or Wax</b>;  <b>Hand Sanitizers</b>, NOI;  <b>Makeup</b>, including <b>Masquerade or Stage Makeup</b>;  <b>Mouthwash</b>;  <b>Nail Polish or Nail Polish Remover</b>;  <b>Shampoo or Conditioner</b>, hair;  <b>Shaving Cream, Gel or Soap</b>;  <b>Toilet Preparations</b>, NOI;  <b>Toothpaste or Tooth Powder</b>;                      In boxes, drums, pails or ▶ Packages 2189, 2213, 2407 or 2411, subject to Item 170 and having a density in pounds per cubic foot of:                      Less than 10.....                      10 but less than 15.....                      15 or greater.....</p>	125 85 70
△59421	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
<b>FEED GROUP:</b> subject to item 66700		
67050          Sub 1 Sub 2 Sub 3	<p><b>Feed or Feed Supplements</b>, animal, fish or poultry, other than frozen and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 67051 and 67052, viz.:  <b>Feed</b>, prepared, NOI;  <b>Feed Supplements</b>;  <b>Feeding Compounds or Preparations</b>, condimental or medicinal;  <b>Pet Food</b>, prepared, NOI;                      In bags, boxes, drums, pails or ▶ Packages 1000, 1271, 1500, 2257, 2330 or 2421, subject to Item 170 and having a density in pounds per cubic foot of:                      Less than 15.....                      15 but less than 30.....                      30 or greater.....</p>	92.5 70 55
△67051	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	

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ITEM	ARTICLE	CLASS
△67052 68140 Sub 1 Sub 2 Sub 3 Sub 4 Sub 5 Sub 6	NOTE—Does not apply on edible pet treats in various forms or shapes. For applicable provisions, see item 27765. <b>☉Fertilizing Compounds (Manufactured Fertilizers)</b> , NOI, see Note, item 68144: Dry: In inner containers in boxes, subject to Item 170 and having a density in pounds per cubic foot of: Less than 20 ..... 20 or greater ..... In bulk in bags, boxes, drums or Package 2435 ..... Liquid, ►in boxes or drums.....	110 60 50 70
△68144	NOTE—Will also apply when having a content of herbicides or insecticides admixed not to exceed five percent of gross weight of fertilizer.	
△72000	<b>FOODSTUFFS GROUP:</b> Articles consist of Foodstuffs, Beverages or Beverage Preparations, not named in other more specific groups, see Notes, items 72002, 72004, 72005, 72007 and 72008, as described in items subject to this grouping.	
△72002	NOTE—Unless otherwise specified in individual items, provisions apply only on foodstuffs, beverages or beverage preparations, other than frozen.	
△72004	NOTE—Commodities other than frozen or requiring refrigeration, listed under this generic heading, when packed in rectangular inner fiberboard containers will be subject to the 'in boxes' classes when enclosed in paper wrappers or in plastic film overwrap bundles. Package must consist of only one layer or tier of inner containers and gross weight must not exceed 14 pounds. This packaging is permissible only on those commodities that are not contained in glass or earthenware or otherwise fragile containers. Wrappers must consist of paper or paperboard basis weight not less than 126 pounds per 500 sheets 24 × 36 inches or plastic film totaling not less than 2 mils in thickness, and must totally enclose inner containers. Ends and overlap seams must be firmly glued or when plastic film is utilized, seams and ends must be heat sealed.	
△72005	NOTE—Unless specified in individual items, classes will not apply on commodities prepared by a freezing-dehydration method nor on products containing in excess of 10 percent of the net weight of ingredients prepared by the freezing-dehydration process. Products prepared by the freezing-dehydration process, or containing in excess of 10 percent of ingredients prepared by the freezing-dehydration process, will be classed per item 76850.	
72007	NOTE—Commodities listed under this generic heading, when tendered for shipment in ►Packages 2257, 2330, 2375, 2443, 2456, 2511, 2516 or 2519, are to be classified under the same provisions that apply when tendered to the carrier in boxes.	
△72008	NOTE—Commodities listed under this generic heading, when tendered for shipment in Package 1500, are to be classified under the same provisions that apply when tendered to the carrier in boxes. When unitized on and secured to pallets by stretch or shrink film, commodities will be accepted for shipment in Package 1500 modified so that the film enclosure of the completed package may have end openings. End openings must not exceed one-half the exposed height of the inner containers.	
72041	<b>Baking Powder</b> , in bags, boxes, drums or ►Packages 2463 or 2498 .....	65
72510	<b>Cocktail Mixes or Mixers</b> , liquid, nonalcoholic, other than beverages, see Note, item 72511, in boxes, drums or ►Packages 2463 or 2498 .....	65
△72511	NOTE—Applies only on liquid nonalcoholic mixtures, other than beverages, used in the preparation of alcoholic mixed drinks, and are so represented for sales purposes.	
72810	<b>Dressing or Stuffing</b> , bread base, with or without other ingredients, dry; or <b>Bread Crumbs; Bread Cubes or Croutons; or Cracker or Matzo Meal</b> ; in bags, boxes or ►Packages 1000 or 1500, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10 .....	150
Sub 2	10 or greater .....	70
72910	<b>Extracts</b> , NOI; <b>Flavoring Compounds</b> , NOI; <b>Imitation Flavors</b> , NOI; or <b>Bottlers' Flavoring Compounds</b> , NOI, see Note, item 72917; liquid, paste or dry, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Notes, items 72911, 72914 and 72916; in boxes or drums; or dry, in bags or ►Packages 1000 or 2358 .....	70
△72911	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
△72914	NOTE—Inner containers may include plastic or metal molds, or paper, plastic or wooden sticks not in excess of 5 percent of gross weight of package.	
△72916	NOTE—There may be included in each package a quantity of sodium salts not in excess of 5 percent of the gross weight of the package.	
△72917	NOTE—There may be included in each shipment of Bottlers' Flavoring Compounds a quantity of phosphoric acid solution, alcohol solution, or a combination of both, not in excess of 15 percent of the total shipment weight.	
73250	<b>Foodstuffs</b> , other than frozen, <b>Group III, viz.:</b> <b>Fish Balls;</b> <b>Juice</b> , clam or oyster; <b>Milk, Cream, Buttermilk or Dry Milk Solids</b> , powdered or flaked, with or without vegetable fats not exceeding one percent by weight, also in multiple-wall paper bags; In boxes, crates, drums or ►Packages 2463 or 2498.....	60

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ITEM	ARTICLE	CLASS
73260	<p><b>FOODSTUFFS GROUP:</b> subject to item 72000</p> <p><b>Foodstuffs, other than frozen, Group IV, viz.:</b></p> <p><b>Bakery Goods, NOI, also in Package 2428;</b></p> <p><b>Beverage Preparations, NOI, see Note, item 73263, also in Packages 2330 or 2438;</b></p> <p><b>Coffee, Tea or Herbal Tea, NOI, see Note, item 73261, also in Packages 2330 or 2380;</b></p> <p><b>Cookies or Crackers, NOI, also in Package 2428;</b></p> <p><b>Desserts, Dessert Toppings or Related Foods, NOI, see Note, item 73262;</b></p> <p><b>Foodstuffs, NOI;</b></p> <p><b>Hot Chocolate or Hot Cocoa Mixes;</b></p> <p><b>Juice, fruit or vegetable, including Juice Concentrates, Juice Beverages, Juice Drinks or Juice Powders or Crystals, see Note, item 73263, also in Packages 2438 or 2467;</b></p> <p><b>Pasta or Noodles, with or without other ingredients;</b></p> <p><b>Rice, cleaned or prepared, NOI, with or without other ingredients;</b></p> <p><b>Snack Foods, NOI;</b></p> <p><b>Soups or Soup Mixes;</b></p> <p>In bags, boxes, drums or ► Packages 128, 223, 510, 1000, 1400, 1500, 2093, 2231, 2404, 2414, 2416, 2421, 2425, 2463, 2498 or 2507, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
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; <b>or Coffee Service Kits or Sets</b> , 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.	
△73262	NOTE—Provisions for desserts, dessert toppings or related foods include, but are not limited to: <b>Crusts, pie or tart;</b> <b>Dessert Mixes or Preparations, NOI;</b> <b>Dishes, Bowls, Ice Cream Cones or Shells, edible, NOI;</b> <b>Dough, prepared;</b> <b>Gelatine Dessert;</b> <b>Sauces or Toppings, ice cream or dessert, NOI, in other than pressurized containers, including Marshmallow Creme, Nuts (Nutmeats) in Syrup, or Sprinkles.</b>	
△73263 73365	NOTE—Also applies on freeze-dehydrated or freeze-dried beverage preparations or juice powders or crystals. <b>Fruits or Vegetables, canned or preserved, NOI, other than dehydrated, dried or evaporated, see Note, item 73366, in boxes, drums or ► Packages 1000, 1264, 2288, 2303, 2438, 2463, 2467, 2498 or 2507.....</b>	60
△73366	NOTE—Also applies on: <b>Beans, edible, with or without other ingredients, NOI;</b> <b>Fruit Butter or Pulp;</b> <b>Jams, Jellies, Marmalades or Preserves, NOI;</b> <b>Mushrooms, other than truffles;</b> <b>Olives;</b> <b>Pickles, NOI;</b> <b>Pimientos;</b> <b>Tomatoes, including Tomato Paste, Tomato Pulp or Tomato Puree.</b>	
73450	<b>Honey, NOI, in boxes, drums or ► Packages 2463 or 2498.....</b>	60
73990	<b>Milk, condensed or evaporated, liquid, with or without vegetable fats, in boxes, drums or ► Packages 1000, 2463 or 2498.....</b>	55
74035	<b>Milk or Cream Products, shelf-stable, viz.:</b> <b>Milk or Cream, liquid, including Milk Beverages or Milk Drinks;</b> <b>Milk or Cream Substitutes, including Nondairy Creamers or Plant-Based Milk or Cream Products, NOI;</b> In boxes, drums or ► Packages 2463 or 2498.....	65
74095	<b>Molasses or Syrups, not medicated, viz.:</b> <b>Agave Syrup (Agave Nectar);</b> <b>Beverage or Fountain Syrup;</b> <b>Flavoring Syrup;</b> <b>Maple Syrup;</b> <b>Molasses, NOI;</b> <b>Syrup, corn, rye, sorghum or wheat, NOI;</b> <b>Syrup, malt or malted;</b> <b>Syrup, NOI;</b>	
74190	In boxes, drums or ► Packages 1000, 2035, 2288, 2402, 2463, 2467 or 2498..... <b>Oils, cooking or salad, NOI; Cooking Spray, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 74191; or Vegetable Oil Shortening; in boxes, drums or ► Packages 275, 1000, 2257, 2288, 2330, 2393, 2401 or 2415.....</b>	65

ITEM	ARTICLE	CLASS
<p>△74191</p>	<p><b>FOODSTUFFS GROUP:</b> subject to item 72000                      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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.</p>	
<p>74510 Sub 1 Sub 2 74700</p>	<p><b>Purees, fruit or vegetable, including Applesauce:</b>                      In pouches, in boxes.....                      NOI, in boxes, drums or ►Packages 1000, 1264, 2288, 2463 or 2498.....</p>	<p>70 60</p>
<p>75400</p>	<p><b>Sauces, Condiments, Dips or Spreads, other than dry, viz.:</b>  <b>Barbecue Sauce;</b>  <b>Condiments, NOI;</b>  <b>Dips, NOI;</b>  <b>Gravy;</b>  <b>Horseradish, prepared;</b>  <b>Hot Sauce or Pepper Sauce;</b>  <b>Ketchup (Catsup);</b>  <b>Marinades;</b>  <b>Mayonnaise;</b>  <b>Mustard, prepared;</b>  <b>Salad Dressing, including Vinaigrette;</b>  <b>Salsa;</b>  <b>Sandwich Spreads, NOI, including Cheese Spreads;</b>  <b>Sauces, basic food, NOI, including Marinara, Pizza or Spaghetti Sauce;</b>  <b>Sauces, cooking or dipping, NOI;</b>  <b>Soy Sauce;</b>                      In boxes, drums or ►Packages 1204, 1400, 1429, 2093, 2288, 2303, 2438, 2463, 2467 or 2498  <b>Vinegar, liquid, in boxes, drums or ►Packages 2463 or 2498.....</b></p>	<p>65 60</p>
<p>77140 Sub 1 Sub 2 Sub 3 Sub 4</p>	<p><b>FRUITS OR VEGETABLES, DRIED, GROUP:</b> subject to item 77000  <b>Fruit or Fruit Peel, NOI, not candied, crystallized, glazed nor stuffed:</b>                      In inner containers in boxes or Package 1264, subject to Item 170 and having a density in pounds per cubic foot of:                      Less than 15 .....                      15 or greater .....                      ►In bulk in bags, boxes or drums .....</p>	<p>100 70 65</p>
<p>111400</p>	<p>►LIQUORS, BEVERAGE:</p>	
<p>111402</p>	<p>NOTE—☒Cancel; no further application.</p>	
<p>△144600</p>	<p><b>OILS, OTHER THAN PETROLEUM:</b> see Note, item 144603</p>	
<p>144603</p>	<p>NOTE—Commodities listed under this generic heading when tendered for shipment in ►Package 2516 are to be classified under the same provisions that apply when tendered to the carrier in boxes.</p>	
<p>144900</p>	<p><b>Essential, natural or artificial, NOI, value declared in writing by the shipper or agreed upon in writing as the released value of the property in accordance with the following, see Note, item 144902, ►in boxes or drums:</b></p>	
<p>Sub 1</p>	<p>If not exceeding 50 cents per pound .....</p>	<p>70</p>
<p>Sub 2</p>	<p>If exceeding 50 cents, but not exceeding \$1.00 per pound.....</p>	<p>100</p>
<p>Sub 3</p>	<p>If exceeding \$1.00, but not exceeding \$2.50 per pound .....</p>	<p>200</p>
<p>Sub 4</p>	<p>If exceeding \$2.50, but not exceeding \$5.00 per pound .....</p>	<p>300</p>
<p>Sub 5</p>	<p>If exceeding \$5.00, but not exceeding \$7.50 per pound .....</p>	<p>400</p>
<p>Sub 6</p>	<p>If exceeding \$7.50 per pound or if in glass carboys.....</p>	<p>Not Taken</p>
<p>△144902</p>	<p>NOTE—The released value which shall be deemed to relate to each pound separately and not to the shipment as a whole, must be entered on shipping order and bill of lading as follows:                      “The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per pound.”</p>	
<p></p>	<p>_____</p>	
<p></p>	<p>(Shipper’s Signature)</p>	
<p></p>	<p>(Classes herein based on released value have been authorized by the Interstate Commerce Commission by Released Rates Order No. MC-342 of August 13, 1952.)</p>	

FREIGHT CLASSIFICATION DOCKET 2023-3

ITEM	ARTICLE	CLASS
149500 149502 149980	<p>► <b>PAINTS GROUP:</b> Articles consist of Paints, Paint Material or Putty, as described in items subject to this grouping.</p> <p>NOTE—<input checked="" type="checkbox"/>Cancel; no further application.</p> <p><b>Paint and Related Materials</b>, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 149982, <b>viz.:</b></p> <p><b>Additives</b>, paint preserving;  <b>Color</b>, mortar;  <b>Compounds</b>, paint, lacquer, varnish, gum, resin, plastic or adhesive increasing, reducing, removing, thickening or thinning;  <b>Driers</b>, paint or varnish;  <b>Fillers</b>, wood;  <b>Lacquer</b>;  <b>Liquids</b>, bronzing;  <b>Paint Oils</b>;  <b>Paints, Stains or Varnishes</b>, NOI;  <b>Pigments</b>, NOI;  <b>Plasticizers</b>, paint, lacquer, varnish, gum, resin or plastic;  <b>Shellacs</b>;  <b>Solvent</b>, paint, lacquer, varnish, gum, resin, plastic, rubber or adhesive;                      In bags, boxes, drums, pails, intermediate bulk containers (IBCs), portable tanks or ► Packages 33, 1398, 2138, 2257, 2301, 2335, 2374, 2403, 2404, 2463, 2467 or 2516, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1 Sub 2	<p>Less than 20.....</p> <p>20 or greater.....</p>	85 55
△149982	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
154700	► <b>PASTE GROUP:</b>	
154702	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
155000	► <b>PESTICIDES GROUP:</b> Articles consist of any substance or mixture of substances intended to prevent, destroy, repel or mitigate any pest, including defoliants, herbicides, fungicides or insecticides, as described in items subject to this grouping, ► see Note, item 155001.	
△155001	NOTE—Materials regulated by the U.S. Department of Transportation as a corrosive, flammable gas, poison or poison gas and required to bear a notice to that effect on bills of lading and packaging are not subject to the provisions of this grouping.	
155002	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
155250	► <b>PETROLEUM PRODUCTS GROUP:</b> subject to item 155100	
	<p><b>Petroleum Oils, Greases and Related Products</b>, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 155252, <b>viz.:</b></p> <p><b>Adhesive or Coating</b>, air filtering element dust arresting;  <b>Alcohols</b>, inedible fatty, NOI;  <b>Fatty Acid</b>, petroleum;  <b>Naphthenic Acid</b>;  <b>Oil</b>, NOI, see Notes, items 155126 and 155255;  <b>Paraffin Wax</b>;  <b>Petrolatum, Petroleum Jelly or Petroleum Petrolatum Preparations</b>, see Note, item 155126;  <b>Petroleum Distillates or Petroleum Products</b>, NOI;  <b>Petroleum Wax</b>;  <b>Transformer Oil</b>;</p>	
△155252	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	65
△155255	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.	
156200	► <b>PLASTIC MATERIALS, OTHER THAN EXPANDED, GROUP:</b> subject to item 156100	
	<p><b>Flakes</b>, NOI, <b>Granules, Lumps, Pellets, Powder or Solid Mass</b>, other than as described in items 46030 and 46032, in bags, boxes, drums, pails or ► Packages 1324, 2203, 2211, 2231, 2264, 2301, 2306, 2317, 2331, 2350 or 2501.....</p>	60
156240	<b>Liquid</b> , NOI, other than as described in items 46030 and 46032 and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 156241, in boxes, drums or ► Package 2516.....	60
△156241	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
171720	► <b>RUBBER MATERIALS GROUP:</b> subject to item 171600	
176325	<b>Latex</b> , liquid, ► in drums or in inner containers in boxes.....	60
176520	<b>Silica</b> , colloidal, liquid, ► in drums or in containers in boxes.....	55
176522	<b>Sizing</b> , emulsified petroleum, see Note, item 176522, ► in bulk in drums.....	55
△176522	NOTE—Applies on a mixture of petroleum oil, petroleum wax or petrolatum and water, rosin or emulsifying agents, the petroleum oil, petroleum wax or petrolatum not to exceed 52 percent and the rosin or emulsifying agents, singly or combined, not to exceed 15 percent of the total weight.	

FREIGHT CLASSIFICATION DOCKET 2023-3

ITEM	ARTICLE	CLASS
176540	<b>Sizing</b> , NOI, ► in inner containers in boxes, or in bulk in drums or pails; also dry, in bulk in bags or Package 1457 .....	60
176560	<b>Sizing</b> , rosin, ► in drums, or dry, in bags .....	65
176960	<b>Softeners</b> , fabric or textile:	
Sub 1	In tablet, granular or powdered form, contained in dispensing pads or packets, in boxes .....	200
Sub 2	Contained or impregnated in cloth or paper sheets, in boxes .....	100
Sub 3	Contained or impregnated in foam, cellular or expanded plastic sheets or sheeting, in inner retail containers, in boxes	125
Sub 4	NOI, in boxes, in bulk in bags or drums or in ► Package 2412 .....	55
178740	<b>Starch</b> , liquid, ► in boxes or drums .....	55
178760	<b>Starch</b> , NOI:	
Sub 1	In inner containers in boxes .....	60
Sub 2	► In bulk in bags, boxes, drums or pails .....	55
196500	<b>Water</b> , mineral, NOI, or plain (not flavored nor phosphated):	
Sub 1	Carbonated (charged), in inner containers in boxes, or in metal cylinders .....	60
Sub 2	Other than carbonated, distilled or other than distilled:	
Sub 3	In carboys .....	100
Sub 4	In inner containers other than intravenous dispensing type, ► in boxes, in Package 1428, or in bulk in drums .....	60



## SPECIFICATIONS FOR NUMBERED PACKAGES

<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2399</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2440</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2445</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2452</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2458</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2473</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2478</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2496</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2499</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2500</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2510</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2515</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2521</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2526</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2528</b>
<input checked="" type="checkbox"/> Cancel; no further application.	<b>Package 2530</b>

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**SUBJECT 3**

**Re:** Wallboard Group

**Contact:** Adam C. Mercer Telephone — (703) 838-1911 mercer@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
193640	<b>WALLBOARD GROUP:</b> Articles consist of Wallboard, Building Board or Building Insulation Board, as described in items subject to this grouping.	
193690	<b>Boards,</b> foundation, water impedence, consisting of clay and fiberboard or pulpboard combined, in wrapped bundles, edges and corners protected by fiberboard or wood .....60	60
193693	<b>Boards, Panels or Sheets,</b> sodium silicate and glass fiber combined, with or without wire mesh reinforcement, surface coated with epoxy resin, in wrapped packages .....60	60
193695	<b>Boards, Panels or Sheets,</b> tile backing or floor underlayment, Portland cement reinforced with glass fiber mesh, in wrapped bundles .....60	60
193720	<b>Cork, Fiberboard and Wood combined,</b> in boxes or crates .....85	85
193740	<b>Diatomaceous Earth,</b> with or without paper facings, in boxes or crates .....70	70
193760	<b>Fiberboard,</b> steel covered, in packages .....70	70
193820	<b>Fiberboard, Hardboard or Pulpboard,</b> NOI, solid, including <b>Ceiling Tile or Panels,</b> see Note, item 193823, in square or rectangular shapes, see Notes, items 193821 and 193825, in packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 35.....70	70
Sub 2	35 or greater .....55	55
193821	NOTE—Applies on board made of vegetable, wood or mineral fiber, separate or combined with mineral filler. Board may be plain, grooved, needled, embossed or otherwise surface textured and may be perforated with holes not exceeding 9/32 inch. Slots may be provided for the passage of air. Edges may be beveled or tongue-and-grooved, and boards may be equipped with holes for fasteners. Surfaces may also be painted or printed.	
193823	NOTE—The word 'solid' as used herein applies only to materials which are not sponge-like and which are nonyielding to handling pressure.	
193825	NOTE—When bundled, edges and corners of board must be securely protected by fiberboard or wood.	
193840	<b>Fiberboard, Pulpboard or Strawboard and Wood combined,</b> in packages.....70	70
193860	<b>Fiberboard, Hardboard or Pulpboard,</b> solid, see Note, item 193823, in square or rectangular shapes, not bent, faced with plastic sheet or film, see Note, item 193821, in boxes or crates .....70	70
193870	<b>Forms or Shapes,</b> hardboard, wallboard or building board, other than square or rectangular, not bent, in packages.....70	70

SUBJECT 3

Present Classification Provisions — Concluded

Item	Description	Class
	<b>WALLBOARD GROUP:</b> subject to item 193640	
193880	<b>Plasterboard</b> , steel faced on one or both sides, not further painted than primed, on pallets or lift truck skids, corners protected .....60	
193940	<b>Pulpboard or Plasterboard and Lead combined (X-ray Proof Lath)</b> , in boxes or crates or in bundles, see Note, item 193942.....70	
193942	NOTE—When in bundles, all edges must be protected by fiberboard not less than 0.100 inch thick, metal strapped.	
193960	<b>Wallboard or Building Board</b> , built-up or combined wood, or plywood, combined with fiberboard or fiberboard wallboard, with backing or facing of other materials, see Note, item 193962, in packages protecting edges and all surfaces liable to damage .....70	
193962	NOTE—Applies only when the backing or facing consists of the following materials, separate or in combination with each other and with or without a metal foil barrier: Laminated plastics (sheets of paper, wood or cloth compressed with plastic); Decorative plastic sheet or film; Cloth or fabric; Veneer.	

Proposed Classification Provisions

Item	Description	Class
193640	<b>WALLBOARD GROUP</b> , etc ..... ⇒Cancel; no further application	
193690	<b>Boards</b> , foundation, water impedence, consisting of clay and fiberboard or pulpboard combined, etc ..... ⇒Cancel; see item A-NEW	
193693	<b>Boards, Panels or Sheets</b> , sodium silicate and glass fiber combined, with or without wire mesh reinforcement, surface coated with epoxy resin, etc ..... ⇒Cancel; see item A-NEW	
193695	<b>Boards, Panels or Sheets</b> , tile backing or floor underlayment, Portland cement reinforced with glass fiber mesh, etc ..... ⇒Cancel; see item A-NEW	
193720	<b>Cork, Fiberboard and Wood combined</b> , etc ..... ⇒Cancel; see item A-NEW	
193740	<b>Diatomaceous Earth</b> , with or without paper facings, etc ..... ⇒Cancel; see item A-NEW	
193760	<b>Fiberboard</b> , steel covered, etc ..... ⇒Cancel; see item A-NEW	

SUBJECT 3

Proposed Classification Provisions — Continued

Item	Description	Class
193820	<b>WALLBOARD GROUP:</b> subject to item 193640 <b>Fiberboard, Hardboard or Pulpboard,</b> NOI, solid, including <b>Ceiling Tile or Panels,</b> see Note, item 193823, in square or rectangular shapes, etc.....	⇒Cancel; see item A-NEW
193821	NOTE—⇒Cancel; no further application.	
193823	NOTE—⇒Cancel; no further application.	
193825	NOTE—⇒Cancel; no further application.	
193840	<b>Fiberboard, Pulpboard or Strawboard and Wood combined,</b> etc ...	⇒Cancel; see item A-NEW
193860	<b>Fiberboard, Hardboard or Pulpboard,</b> solid, see Note, item 193823, in square or rectangular shapes, not bent, faced with plastic sheet or film, etc.....	⇒Cancel; see item A-NEW
193870	<b>Forms or Shapes,</b> hardboard, wallboard or building board, other than square or rectangular, not bent, etc .....	⇒Cancel; see item A-NEW
193880	<b>Plasterboard,</b> steel faced on one or both sides, not further painted than primed, etc.....	⇒Cancel; see item A-NEW
193940	<b>Pulpboard or Plasterboard and Lead combined (X-ray Proof Lath),</b> etc.....	⇒Cancel; see item A-NEW
193942	NOTE—⇒Cancel; no further application.	
193960	<b>Wallboard or Building Board,</b> built-up or combined wood, or plywood, combined with fiberboard or fiberboard wallboard, with backing or facing of other materials, etc.....	⇒Cancel; see item A-NEW
193962	NOTE—⇒Cancel; no further application.	

**SUBJECT 3**

**Proposed Classification Provisions — Concluded**

Item	Description	Class
⇒A-NEW	<b>Wallboard, Building Board or Building Insulation Board</b> , in panels, NOI, including <b>Ceiling Tiles</b> , in packages, see Note, item B-NEW:	
Sub 1	Greatest dimension exceeding 192 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 10.....	175
Sub 3	10 but less than 15.....	100
Sub 4	15 or greater.....	77.5
Sub 5	Greatest dimension exceeding 96 inches but not exceeding 192 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 10.....	150
Sub 7	10 but less than 15.....	92.5
Sub 8	15 or greater.....	70
Sub 9	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 10	Less than 10.....	125
Sub 11	10 but less than 15.....	85
Sub 12	15 or greater.....	65
⇒B-NEW	<b>NOTE</b> —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 protected by packing forms or other packaging materials so as to withstand the normal rigors of the less-than-truckload environment.	

**Analysis**

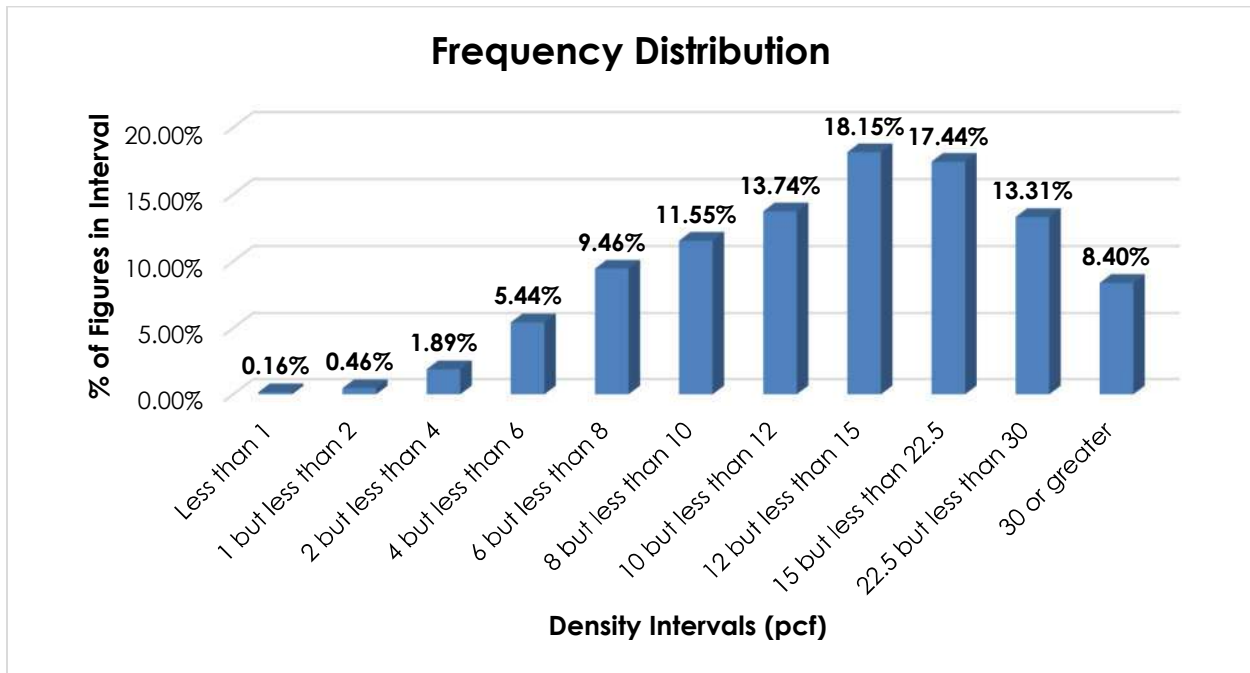
**Introduction**

All of the items in the Wallboard Group name particular types of wallboards or building boards, and these provisions can be difficult to interpret, apply or verify. The transportation characteristics below relate to the items subject to the Wallboard Group, as shown in the Present Classification Provisions herein.

SUBJECT 3

Transportation Characteristics

**Density**—The information of record includes 26,272 density observations obtained from the FCDC’s Density Study<sup>1</sup>. The densities range from 0.10 to 57.07 pcf, with an overall average density of 15.67 pcf. As shown in the graph below, the density distribution is left-skewed and has predominant peaks in the 12 but less than 15 pcf and 15 but less than 22.5 pcf intervals, with clustering around those intervals. Density breaks at 10 and 15 pcf reflect the modality and spread of the distribution.



When the data is evaluated based on the proposed density breaks at 10 and 15 pcf, the density ranges and averages shown in the table below emerge.

Density Groups (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 10	0.10 – 9.99	7.08
10 but less than 15	10.00 – 14.99	12.34
15 or greater	15.00 – 57.07	24.73

<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

## SUBJECT 3

**Handling**—When not exceeding 96 inches in greatest dimension, the involved products may be tendered in boxes secured on lift truck skids or pallets, but as greatest dimension increases, the commodities are typically tendered in packages. When not exceeding 96 inches in greatest dimension, the involved articles do not appear to have any significant handling issues. However, these commodities vary greatly in size, and the data of record shows that numerous observations exceed 96 inches (8 feet) in greatest dimension<sup>2</sup>, with some exceeding 192 inches (16 feet). As greatest dimension increases, the handling into and out of the vehicle becomes considerably more difficult, and specialized equipment, or additional personnel, may be necessary to safely handle longer units. Furthermore, as greatest dimension increases, cross-dock operations can be significantly affected. Often there is not enough room at carrier facilities to safely or easily handle and maneuver excessively long handling units.

**Stowability**—When the involved articles do not exceed 96 inches in greatest dimension, they typically do not present significant or unusual stowability issues. Handling units exceeding 96 inches in greatest dimension are more difficult to stow with other general freight, particularly as they may lack a flat load-bearing surface for top freight. Due to the commodities' size, it may be difficult to stow adjacent freight. These factors reduce or complicate the carrier's ability to maximize vehicle utilization. These products may also have protrusions or edges that can potentially be damaged or damage adjacent freight. These factors can make it more difficult and time consuming for the carrier to properly structure the load. Furthermore, for the longest articles, the carrier will have to ensure that the freight will fit in the vehicle.

**Liability**—The involved articles are not perishable nor hazardous in nature. Shipments of these commodities not adequately protected by packaging materials, or that overhang the lift truck skid or pallet, are more liable to damage, such as denting and scuffing.

## Conclusion

Based on the foregoing analysis, all items subject to the Wallboard Group would be canceled with reference to a new item, naming "Wallboard, Building Board or Building Insulation Board, in panels, NOI, including Ceiling Tiles," with classes predicated on greatest dimension and density, with breaks at 10 and 15 pcf<sup>3</sup>. The table on the following page shows the average densities for each density group, the guideline classes, and class adjustments as greatest dimension increases.

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<sup>2</sup> Item (Rule) 568, "Heavy or Bulky Freight—Loading or Unloading," employs the threshold limit of exceeding 8 feet (96 inches) in greatest dimension as the measurement at which freight becomes more difficult to load and unload when compared to general boxed freight.

<sup>3</sup> The density provisions would include reference to Item (Rule) 170, the inadvertence clause.



**SUBJECT 3**

Density Group (pcf)	Average Density (pcf)	Class Based on FCDC Guidelines When Greatest Dimension Does Not Exceed 96"	Class Adjustment When Greatest Dimension Exceeds 96" But Does Not Exceed 192"	Class Adjustment When Greatest Dimension Exceeds 192"
Less than 10	7.08	125	150	175
10 but less than 15	12.34	85	92.5	100
15 or greater	24.73	65	70	77.5

A new attendant Note would be established to provide additional packaging requirements. The FCDC’s Packaging Manager has reviewed the proposed minimum packaging requirements and determined that they are appropriate for the LTL environment.

Additionally, Notes, items 193821, 193823, 193825, 193942 and 193962, as well as the generic heading, item 193640, would be canceled with no further application.

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**SUBJECT 4**

**Re:** Mats, floor, rubber — Item 70960

**Contact:** Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
	<b>FLOOR OR WALL COVERINGS AND RELATED ARTICLES GROUP:</b> subject to item 70500	
70960	<b>Mats,</b> floor, in packages:	
Sub 1	Made from rubber tires and wire combined.....	65
Sub 2	Made from recycled rubber, with or without binder, having a density in pounds per cubic foot of 35 or greater, see Note, item 70961 .....	55
70961	NOTE—Density must be shown by shipper on shipping orders and bills of lading at time of shipment. If density is not shown and shipment is inadvertently accepted, class will initially be assessed under the provisions of item 70970, naming 'Mats or Matting, floor, NOI.' Upon satisfactory proof of actual density, class will be adjusted accordingly.	

**Proposed Classification Provisions**

Item	Description	Class
	<b>FLOOR OR WALL COVERINGS AND RELATED ARTICLES GROUP:</b> subject to item 70500	
⇒70960	<b>Mats, Matting or Tiles,</b> floor, rubber:	
Sub 1	In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 22.5 .....	70
Sub 3	22.5 but less than 30.....	65
Sub 4	30 or greater.....	55
Sub 5	In packages other than boxes or crates, see Note, item NEW, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 22.5 .....	77.5
Sub 7	22.5 but less than 30.....	70
Sub 8	30 or greater.....	60
70961	NOTE—⇒Cancel; no further application.	
⇒NEW	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 protected by packing forms or other packaging materials so as to withstand the normal rigors of the less-than-truckload environment.	

**SUBJECT 4**

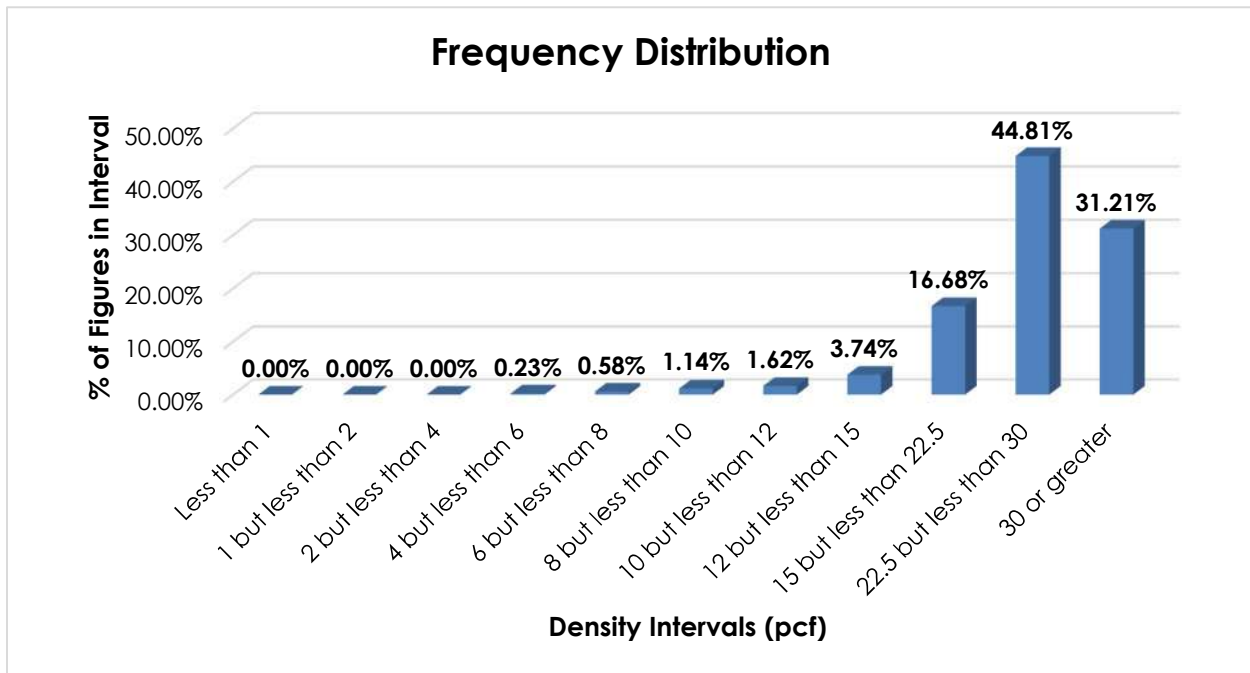
**Analysis**

**Introduction**

This proposal addresses indications that shipments of rubber floor mats, as named in item 70960, exhibit transportation characteristics inconsistent with the currently assigned classes.

**Transportation Characteristics**

**Density**—The information of record includes 31,914 density observations obtained from the FCDC’s Density Study<sup>1</sup>. The densities range from 4.50 to 62.58 pcf, with an overall average density of 28.44 pcf. As shown in the graph below, the density distribution is left-skewed, with nearly 93% of the figures being 15 pcf or greater. Density breaks at 22.5 and 30 pcf reflect the modality and spread of the distribution.



When the data is evaluated based on the proposed density breaks at 22.5 and 30 pcf, the density ranges and averages shown in the table below emerge.

Density Groups (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 22.5	4.50 – 22.49	16.79
22.5 but less than 30	22.50 – 29.99	27.46
30 or greater	30.00 – 62.58	38.80

<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

**SUBJECT 4**

**Handling**—Rubber floor mats may be shipped in boxes or crates, or in packages other than boxes or crates. Articles shipped in boxes or crates should not typically present unusual or significant handling considerations.

When tendered in packages that provide minimal exterior protection, additional care must be taken when handling the freight to avoid damaging the products.

**Stowability**—When rubber floor mats are tendered in boxes or crates, a flat load-bearing surface will typically be present, which can allow for loading other freight on top of the handling unit. There will typically be lateral support for adjacent freight as well.

When rubber floor mats are tendered in packages other than boxes or crates, a regular load-bearing surface for top freight or lateral support for adjacent freight may not be present. This can result in increased time and effort for the carrier to properly structure the vehicle load to mitigate the chance of damage to the products.

**Liability**—As with most general commodities, when tendered for shipment fully enclosed within boxes or crates, rubber floor mats should not be unusually susceptible to damage nor likely to damage other freight. However, when tendered in packages other than boxes or crates, rubber floor mats exhibit greater susceptibility to damage.

**Conclusion**

Based on the foregoing analysis, this proposal would amend item 70960 to provide classes predicated on packaging and density, with breaks at 22.5 and 30 pcf<sup>2</sup>. The table below relates the information of record to the proposed density groupings and FCDC guidelines for the proposed classes when tendered in boxes or crates and a one-class adjustment from the density guidelines when the articles are tendered in packages other than boxes or crates to reflect the identified negative handling, stowability and liability characteristics.

Density Group (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines	Class Adjustment Based on Handling, Stowability and Liability Considerations
Less than 22.5	16.79	15	70	77.5
22.5 but less than 30	27.46	22.5	65	70
15 or greater	38.80	35	55	60

The description of item 70960 would be amended to read, “Mats, Matting or Tiles, floor, rubber,” in the interest of clarification.

Additionally, a new Note would be established to provide additional packaging requirements for rubber floor mats tendered in packages other than boxes or crates.

Note, item 70961 would be canceled with no further application.

<sup>2</sup> The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

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**SUBJECT 5**

**Re:** Water Heaters, tank type — Item 26520

**Contact:** Adam C. Mercer Telephone — (703) 838-1911 mercer@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
	<b>BOILERS, FURNACES, STOVES AND RELATED ARTICLES GROUP:</b> subject to item 25400	
26520	<b>Heaters,</b> water, tank type, see Notes, items 26521 and 26522:	
Sub 1	In boxes or Packages 208, 1016, 1277 or 2537, other than secured on lift truck skids or pallets.....	125
Sub 2	In boxes or Packages 208, 1016, 1277 or 2537, secured on lift truck skids or pallets; or in crates or Package 2536 .....	100
26521	NOTE—Does not apply on solar collectors, solar water heaters or swimming pool heaters. See item 177010 for applicable provisions for solar collectors or solar water heaters, and item 133300 for swimming pool heaters.	
26522	NOTE—Tank-type water heaters tendered in boxes or crates must be supported or suspended in the box or crate and be protected so that there will be no shifting and not less than 1 inch clearance between the article and the inside wall of the box or crate.	

**Proposed Classification Provisions**

Item	Description	Class
	<b>BOILERS, FURNACES, STOVES AND RELATED ARTICLES GROUP:</b> subject to item 25400	
⇒26520	<b>Heaters,</b> water, tank type, see Notes, items 26521 and 26522:	
Sub 1	In boxes or Packages 208, 1016, 1277 or 2537, other than secured on lift truck skids or pallets, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 6 .....	300
Sub 3	6 but less than 10 .....	175
Sub 4	10 or greater.....	100
Sub 5	In boxes or Packages 208, 1016, 1277 or 2537, secured on lift truck skids or pallets; or in crates or Package 2536; subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 6 .....	200
Sub 7	6 but less than 10 .....	125
Sub 8	10 or greater.....	85
26521	NOTE—No Change.	
26522	NOTE—No Change.	

**SUBJECT 5**

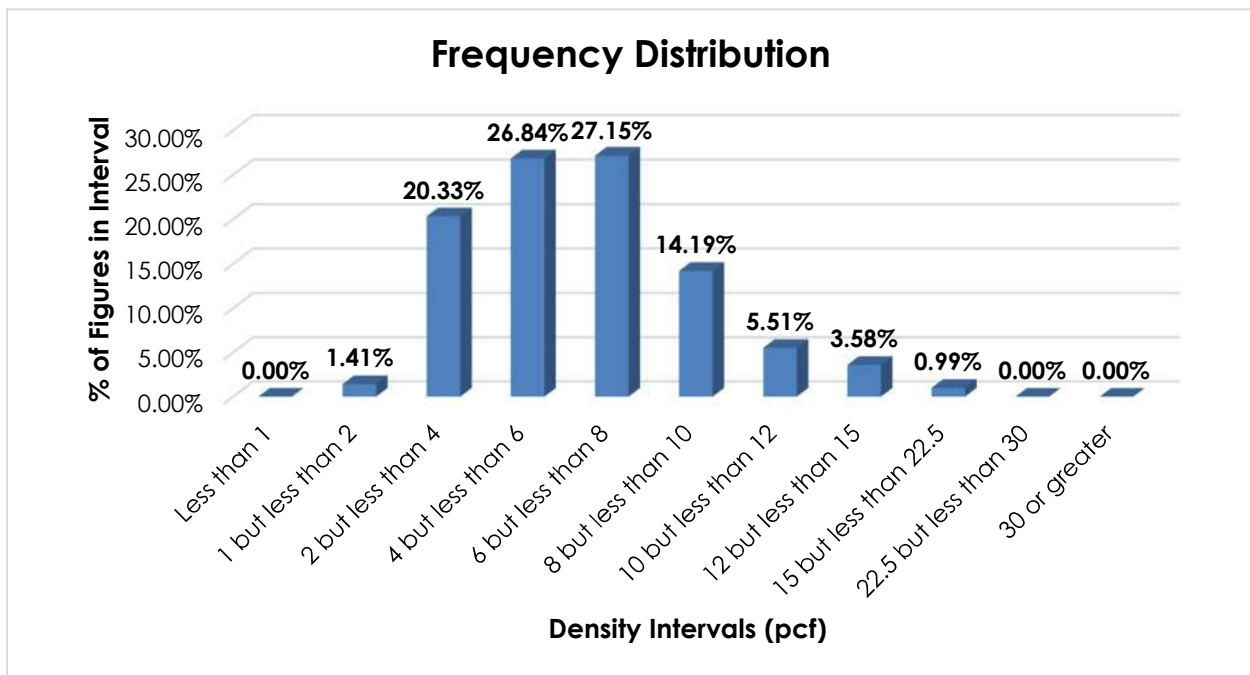
**Analysis**

**Introduction**

This proposal addresses indications that shipments of tank-type water heaters, as named in item 26520, exhibit transportation characteristics inconsistent with the currently assigned classes.

**Transportation Characteristics**

**Density**—The information of record includes 52,779 density observations obtained from the FCDC’s Density Study<sup>1</sup>. The densities range from 1.20 to 19.32 pcf, with an overall average density of 6.37 pcf. As shown in the graph below the density distribution is right-skewed, with over 88% of the figures between 2 and 10 pcf. Density breaks at 6 and 10 pcf reflect the modality and spread of the distribution.



When the data is evaluated based on the proposed density breaks at 6 and 10 pcf, the density ranges and averages shown in the table below emerge.

Density Groups (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 6	1.20 – 5.99	4.13
6 but less than 10	6.00 – 9.99	7.59
10 or greater	10.00 – 19.32	12.13

<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.



## SUBJECT 5

**Handling**—Tank-type water heaters may be shipped boxes, crates or one of the authorized numbered packages. When shipped in boxes or one of the authorized numbered packages secured on lift truck skids or pallets, or in crates, tank-type water heaters should not typically present unusual or significant handling considerations.

However, when not tendered in crates or secured on lift truck skids or pallets, tank type water heaters are more difficult to safely handle. If handled with a forklift, extra care and attention will be required to prevent damage, as there are no access points for the fork tines. Moving tank-type water heaters in normal cross-dock operations with a hand truck will require extra time or personnel to handle the shipment. In addition to being more time consuming, handling tank-type water heaters by hand in cross-dock operations also increases the potential for damage due to their size and weight, as well as the height of the box.

**Stowability**—When tank-type water heaters are tendered in boxes, crates or one of the authorized numbered packages, a flat load-bearing surface will typically be present, which can allow for loading other freight on top of the handling unit. There will typically be lateral support for adjacent freight as well.

When tendered in boxes not secured on lift truck skids or pallets, negative stowing considerations have been identified. As with handling, stowing individual tank-type water heaters that are not secured to a lift truck skid or pallet in the vehicle will involve increased time and personnel to structure the load. Depending upon how the tank-type water heaters are positioned in the vehicle, a flat load-bearing surface may not be available for other freight. Additionally, based upon the height of the article in relation to its width, tank-type water heaters that are not secured on lift truck skids or pallets may also need to be blocked or braced in the vehicle to prevent them from tipping.

**Liability**—As with most general commodities, when tendered for shipment fully enclosed within boxes or one of the authorized packages secured on lift truck skids or pallets, or in crates, tank-type water heaters should not be unusually susceptible to damage, nor likely to damage other freight. However, when not tendered secured on lift truck skids or pallets or in crates, tank-type water heaters exhibit greater susceptibility to damage.

## Conclusion

Based on the foregoing analysis, this proposal would amend item 26520 to maintain classes predicated on packaging but would add density breaks 6 and 10 pcf<sup>2</sup>. The table on the following page relates the information of record to the proposed density groupings and FCDC guidelines for the proposed classes when tendered secured on lift truck skids or pallets or in crates, and a two-class adjustment from the density guidelines when the articles are tendered not secured on lift truck skids or pallets or in crates to reflect the identified negative handling, stowability, and liability characteristics.

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<sup>2</sup> The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

SUBJECT 5

Density Groups (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class When Articles are Packaged as Described in Proposed Sub 5	Class Adjustment When Articles are Packaged as Described in Proposed Sub 1
Less than 6	4.13	4	200	300
6 but less than 10	7.59	7	125	175
10 or greater	12.13	12	85	100

**SUBJECT 6**

**Re:** Barrels Group

**Contact:** Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
21700	<b>BARRELS GROUP:</b> Articles consist of Barrels, Drums, Pails or Tubs, as described in items subject to this grouping.	
21740	<b>Barrels</b> , wooden, NOI, see Note, item 21742.....	200
21742	NOTE—Will also apply on <b>Half-Barrels, Casks, Hogsheads, Kegs, Puncheons or Tierces.</b>	
21760	<b>Barrels, Half-Barrels, Casks, Drums, Hogsheads, Kegs, Puncheons or Tierces</b> , NOI, steel, shipping, KD, in packages .....	70
21780	<b>Barrels or Drums</b> , aluminum or aluminum and steel, other than with steel skid bases:	
Sub 1	Not nested:	
Sub 2	Capacity not over 4 gallons, see Note, item 21782, in boxes .....	100
Sub 3	Capacity over 4 gallons .....	200
Sub 4	Nested or one or more completely enclosed within another .....	100
21782	NOTE—Also applies when equipped with carbon dioxide gas regulators or valves and dispensing nozzle, attached or in separate packages.	
21810	<b>Drums</b> , steel, lead lined, loose or in packages .....	85
21840	<b>Drums, Barrels, Pails or Tubs</b> , shipping, fiberboard or pulpboard, or fiberboard or pulpboard and metal, wood or plastic combined, other than taper sided, see Note, item 21841; SU, loose; or KD, in packages; 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
21841	NOTE—Also applies when equipped with plastic inserts or liners.	
21860	<b>Drums, Pails or Tubs</b> , shipping, fiberboard or pulpboard, or fiberboard or pulpboard and metal or wood combined, taper sided:	
Sub 1	Not nested.....	150
Sub 2	Nested .....	85

**SUBJECT 6**

**Proposed Classification Provisions**

Item	Description	Class
21700	<b>BARRELS GROUP</b> , etc .....	⇒Cancel; no further application
21740	<b>Barrels</b> , wooden, NOI, etc .....	⇒Cancel; see item NEW
21742	NOTE—⇒Cancel; no further application.	
21760	<b>Barrels, Half-Barrels, Casks, Drums, Hogsheads, Kegs, Puncheons or Tierces</b> , NOI, steel, shipping, KD, etc .....	⇒Cancel; see item NEW
21780	<b>Barrels or Drums</b> , aluminum or aluminum and steel, other than with steel skid bases, etc.....	⇒Cancel; see item NEW
21782	NOTE—⇒Cancel; no further application.	
21810	<b>Drums</b> , steel, lead lined, etc .....	⇒Cancel; see item NEW
21840	<b>Drums, Barrels, Pails or Tubs</b> , shipping, fiberboard or pulpboard, or fiberboard or pulpboard and metal, wood or plastic combined, other than taper sided, etc .....	⇒Cancel; see item NEW
21841	NOTE—⇒Cancel; no further application.	
21860	<b>Drums, Pails or Tubs</b> , shipping, fiberboard or pulpboard, or fiberboard or pulpboard and metal or wood combined, taper sided, etc.....	⇒Cancel; see item NEW
⇒NEW	<b>Drums, Pails or Tubs</b> , shipping, NOI; <b>or Barrels, Casks or Kegs</b> , NOI; in packages, 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

**SUBJECT 6**

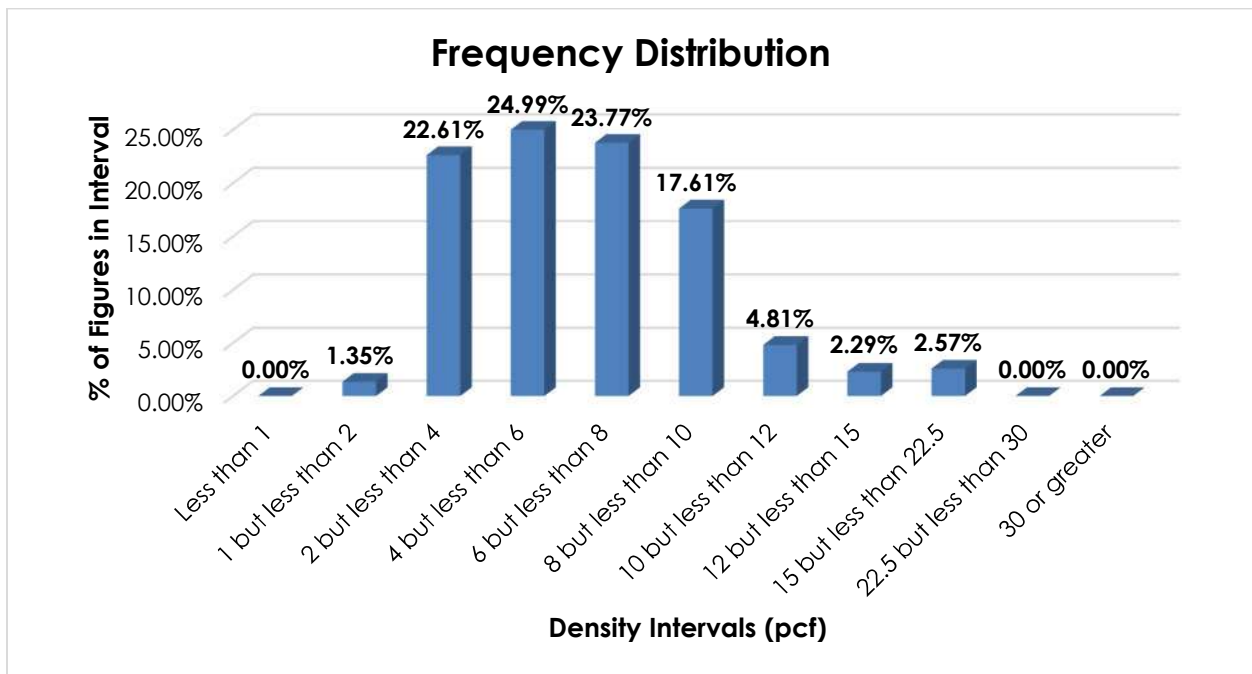
**Analysis**

**Introduction**

This proposal is based on information developed during a review of the Barrels Group.

**Transportation Characteristics**

**Density**—The information of record includes 4,157 density observations obtained from the FCDC’s Density Study<sup>1</sup>. The densities range from 1.02 to 21.00 pcf, with an overall average density of 6.50 pcf. As shown in the graph below, the densities are distributed relatively uniform between 2 and 8 pcf.



**Handling, Stowability and Liability**—There have been no reports of unusual or significant handling, stowability or liability issues.

<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

**SUBJECT 6****Conclusion**

Based on the foregoing analysis, this proposal would cancel all of the items subject to the Barrels Group with reference to a new item, naming "Drums, Pails or Tubs, shipping, NOI; or Barrels, Casks or Kegs, NOI." The new item would provide the FCDC's standard 11-subprovision density scale<sup>2</sup>.

Notes, items 21742, 21782 and 21841 would be canceled as having no further application, as would the generic heading, item 21700.

The minimum packaging requirements would ensure that freight is adequately protected and can be handled and stowed in a manner that is reasonably safe and practicable so as to withstand the normal rigors of the less-than-truckload environment.

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<sup>2</sup> The FCDC's standard 11-subprovision density scale includes reference to Item (Rule) 170, the inadvertence clause.

**SUBJECT 7**

**Re:** Asphalt Group

**Contact:** Angela L. Li Telephone — (703) 838-1882 angela.li@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
15200	<b>ASPHALT GROUP:</b> Articles consist of Asphalt, Pitch or Tar, as described in items subject to this grouping.	
15220	<b>Asphalt (Asphaltum),</b> natural, by-product or petroleum, liquid, other than paint, stain or varnish and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 15221, in containers in boxes, or in drums, pails or Package 2080 .....	55
15221	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
15240	<b>Asphalt (Asphaltum),</b> natural, by-product or petroleum, solid, see Note, item 15242, in packages .....	55
15242	NOTE—Asphalt or pitch, the melting point of which is 140 degrees or less Fahrenheit, as determined by the Ball and Ring test in water or by the ½ inch Cube test in water, must be in metal cans in boxes or crates, or in steel drums. Asphalt or pitch may be shipped in eight-ply fiber drums, each ply testing not less than 100 pounds (Mullen), total wall thickness not less than ⅛ inch, with metal tops and bottoms, or in 3 ½-gallon nonreusable pails made of 28-gauge steel, covers securely fastened with lugs.	
15260	<b>Pitch,</b> brewers' or pine, in bags, boxes or drums .....	55
15270	<b>Pitch,</b> lignin, dry, see Note, item 15272, in bags or drums .....	55
15272	NOTE—Lignin pitch is dehydrated or powdered lignin liquor.	
15280	<b>Pitch,</b> montan, in bags .....	55
15300	<b>Pitch,</b> NOI, ground, in bags or drums .....	55
15310	<b>Pitch,</b> NOI, not ground, see Note, item 15242, in boxes, crates or drums, or in bulk in packages .....	55
15320	<b>Pitch,</b> tall oil, in drums .....	55
15360	<b>Tar or Pitch,</b> candle, in drums .....	55
15380	<b>Tar,</b> coal or petroleum, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 15221, in metal cans in boxes, or in drums or pails, see Note, item 15382.....	55
15382	NOTE—Will also apply on solid coal or petroleum tar, the melting point of which is over 140 degrees Fahrenheit, as determined by the Ball and Ring test in water or by the ½ inch Cube test in water, when shipped in fiber drums.	
15400	<b>Tar,</b> hardwood, in drums .....	55

SUBJECT 7

Present Classification Provisions — Concluded

Item	Description	Class
	<b>ASPHALT GROUP:</b> subject to item 15200	
15420	<b>Tar</b> , NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 15221, in metal cans in boxes, or in drums .....55	
15440	<b>Tar</b> , pine, in containers in boxes or drums, or metal cans in crates, or in bulk in drums .....55	

Proposed Classification Provisions

Item	Description	Class
15200	<b>ASPHALT GROUP</b> .....⇒Cancel; no further application	
15220	<b>Asphalt (Asphaltum)</b> , natural, by-product or petroleum, liquid, etc..... ⇒Cancel; see item A-NEW	
15221	NOTE—⇒Cancel; see item B-NEW.	
15240	<b>Asphalt (Asphaltum)</b> , natural, by-product or petroleum, solid, etc. ⇒Cancel; see item A-NEW	
15242	NOTE—⇒Cancel; no further application.	
15260	<b>Pitch</b> , brewers' or pine, etc ..... ⇒Cancel; see item A-NEW	
15270	<b>Pitch</b> , lignin, dry, etc ..... ⇒Cancel; see item A-NEW	
15272	NOTE—⇒Cancel; no further application.	
15280	<b>Pitch</b> , montan, etc..... ⇒Cancel; see item A-NEW	
15300	<b>Pitch</b> , NOI, ground, etc ..... ⇒Cancel; see item A-NEW	
15310	<b>Pitch</b> , NOI, not ground, etc..... ⇒Cancel; see item A-NEW	
15320	<b>Pitch</b> , tall oil, etc ..... ⇒Cancel; see item A-NEW	
15360	<b>Tar or Pitch</b> , candle, etc..... ⇒Cancel; see item A-NEW	
15380	<b>Tar</b> , coal or petroleum, etc..... ⇒Cancel; see item A-NEW	
15382	NOTE—⇒Cancel; no further application.	
15400	<b>Tar</b> , hardwood, etc..... ⇒Cancel; see item A-NEW	
15420	<b>Tar</b> , NOI, etc ..... ⇒Cancel; see item A-NEW	
15440	<b>Tar</b> , pine, etc ..... ⇒Cancel; see item A-NEW	



**SUBJECT 7**

**Proposed Classification Provisions — Concluded**

<b>Item</b>	<b>Description</b>	<b>Class</b>
⇒A-NEW	<b>Asphalt</b> , NOI, other than paint, stain or varnish; <b>or Pitch or Tar</b> , NOI; not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item B-NEW, in bags, boxes, pails or drums, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 22.5.....	85
Sub 2	22.5 but less than 30.....	65
Sub 3	30 or greater.....	55
⇒B-NEW	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 or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	

**Analysis**

**Introduction**

All of the items in the Asphalt Group name particular types of asphalt, pitch, or tar, and these provisions can be difficult to interpret, apply, or verify. The transportation characteristics below relate to the items subject to the Asphalt Group, as shown in the Present Classification Provisions herein.

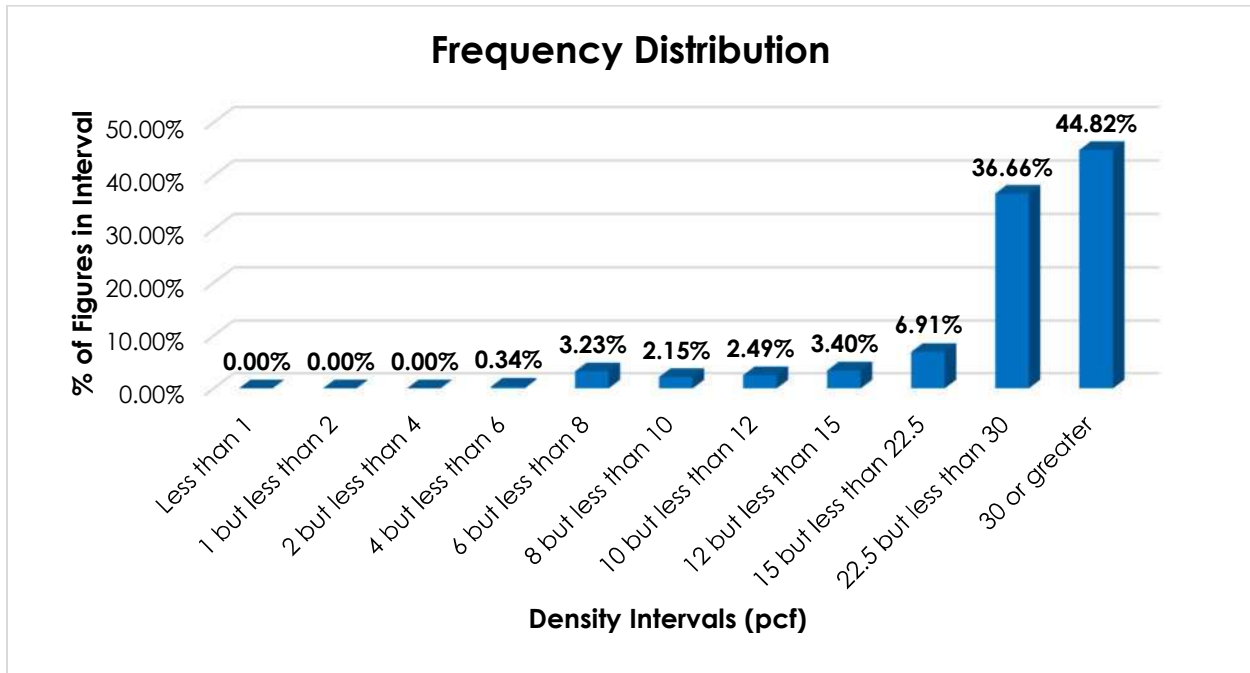
**Transportation Characteristics**

**Density**—The information of record includes 1,765 density observations obtained from the FCDC’s Density Study<sup>1</sup>. The densities range from 5.79 to 81.75 pcf, with an overall average density of 24.60 pcf. As shown in the graph on the following page, the density distribution is left-skewed, with over 88% of the figures being 15 pcf or greater. Density breaks at 22.5 and 30 pcf reflect the modality and spread of the distribution.

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<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 7



When the data is evaluated based on the proposed density breaks at 22.5 and 30 pcf, the density ranges and averages shown in the table below emerge.

Density Groups (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 22.5	5.79 – 22.45	13.32
22.5 but less than 30	22.50 – 29.70	24.67
30 or greater	30.13 – 81.75	40.61

**Handling, Stowability and Liability**—There have been no reports of unusual or significant handling, stowability or liability issues.

**Conclusion**

Based on the foregoing analysis, all of the items in the Asphalt Group would be canceled with reference to a new item, naming “Asphalt, NOI, other than paint, stain or varnish; or Pitch or Tar, NOI.” The item would be restricted to asphalt, pitch or tar not regulated as hazardous by the U.S. Department of Transportation, and would provide classes predicated on density, with breaks at 22.5 and 30 pcf. The table on the following page shows the average densities and minimum average density guidelines for each density group.

SUBJECT 7

Density Groups (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class based on FCDC Density Guidelines
Less than 22.5	13.32	12	85
22.5 but less than 30	24.67	22.5	65
30 or greater	40.61	35	55

Note, item 15221 would be canceled with reference to a new Note attendant to the new item. Additionally, Notes, items 15242, 15272 and 15382 would be canceled with no further application.

The minimum packaging requirements would ensure that freight is adequately protected and can be handled and stowed in a manner that is reasonably safe and practicable so as to withstand the normal rigors of the less-than-truckload environment.

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**SUBJECT 8**

**Re:** Washers; Gaskets; or Packing Devices, Forms or Shapes, other than packaging

**Contact:** Amber V. Parker Telephone — (703) 838-1810 parker@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
194000	<b>WASHERS; GASKETS; OR PACKING DEVICES, FORMS OR SHAPES, OTHER THAN PACKAGING:</b>	
194020	<b>Felt</b> , in bags, bales, boxes, drums or Packages 1241 or 1273 .....	100
194050	<b>Gaskets or Rings</b> , plumbing fixture sealing or setting, wax or wax compound, with or without plastic flanges, with or without brass fittings necessary for installation, in boxes .....	70
194060	<b>Lead</b> , in boxes or drums .....	70
194080	<b>Mica</b> , in boxes or drums .....	100
194090	<b>Seals or Washers</b> , packing, uncured rubber or asphalt compound, in boxes.....	60
194100	<b>Silver-plated</b> , in boxes or drums .....	100
194120	<b>Washers; Gaskets; or Packing Devices, Forms or Shapes</b> , other than packaging; NOI, in bags, boxes or crates, or in wrapped rolls secured on lift truck skids or pallets, 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
194160	<b>Washers or Gaskets</b> , iron or steel, plain, galvanized, japanned, painted or tinned, or coated with brass, bronze, cadmium, copper, lead or zinc, in bags, boxes or drums.....	50

**Proposed Classification Provisions**

194000	<b>WASHERS; GASKETS; OR PACKING DEVICES, FORMS OR SHAPES, OTHER THAN PACKAGING:</b> .....	⇒Cancel; no further application
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SUBJECT 8

Proposed Classification Provisions — Concluded

Item	Description	Class
	<b>WASHERS; GASKETS; OR PACKING DEVICES, FORMS OR SHAPES, OTHER THAN PACKAGING:</b> subject to item 194000	
194020	<b>Felt</b> , etc.....	⇒Cancel; see item 194120
194050	<b>Gaskets or Rings</b> , plumbing fixture sealing or setting, wax or wax compound, with or without plastic flanges, with or without brass fittings necessary for installation, etc.....	⇒Cancel; see item 194120
194060	<b>Lead</b> , etc.....	⇒Cancel; see item 194120
194080	<b>Mica</b> , etc.....	⇒Cancel; see item 194120
194090	<b>Seals or Washers</b> , packing, uncured rubber or asphalt compound, etc.....	⇒Cancel; see item 194120
194100	<b>Silver-plated</b> , etc.....	⇒Cancel; see item 194120
⇒194120	<b>Washers; Gaskets; or Packing Devices, Forms or Shapes</b> , other than packaging; NOI, in boxes or crates, 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
194160	<b>Washers or Gaskets</b> , iron or steel, plain, galvanized, japanned, painted or tinned, or coated with brass, bronze, cadmium, copper, lead or zinc, etc.....	⇒Cancel; see item 194120

**SUBJECT 8**

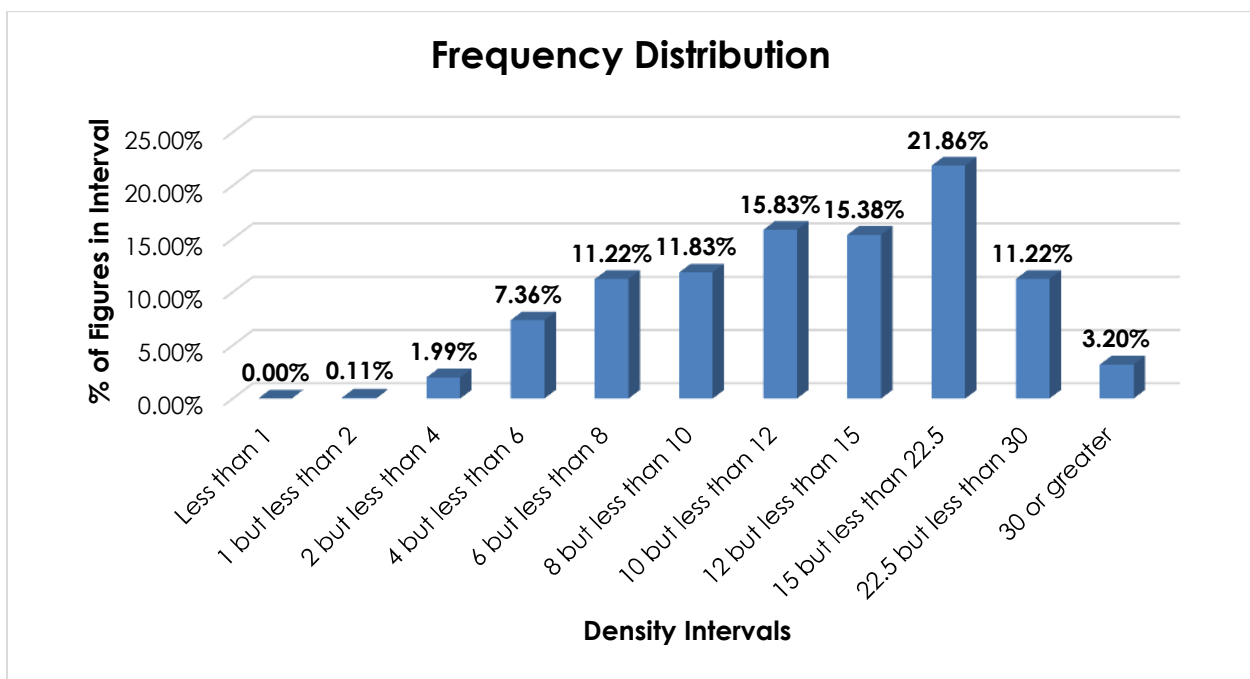
**Analysis**

**Introduction**

All of the items in the Washers; Gaskets; or Packing Devices, Forms or Shapes, other than packaging generic heading name particular types of these products, and these provisions can be difficult to interpret, apply or verify. The transportation characteristics below relate to items 194020, 194050, 194060, 194080, 194090, 194100, and 194160, as shown in the Present Classification Provisions herein.

**Transportation Characteristics**

**Density**—The information of record includes 3,778 density observations obtained from the FCDC's Density Study<sup>1</sup>. The densities range from 0.99 to 150.00 pcf, with an overall average density of 23.68 pcf. As shown in the graph below, the density distribution is left-skewed, but the figures are variably distributed throughout the range.



**Handling, Stowability and Liability**—There have been no reports of unusual or significant handling, stowability or liability issues.

<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

**SUBJECT 8****Conclusion**

Based on the foregoing analysis, this proposal would cancel items 194020, 194050, 194060, 194080, 194090, 194100 and 194160 with reference to the full-scale, density-based provisions of item 194120<sup>2</sup>. The generic heading, item 194000, would be canceled with no further application, and the indentation of item 194120 would be adjusted accordingly.

The minimum packaging requirements would ensure that freight is adequately protected and can be handled and stowed in a manner that is reasonably safe and practicable so as to withstand the normal rigors of the less-than-truckload environment.

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<sup>2</sup> Item 194120 provides the FCDC's standard 11-subprovision density scale, which includes reference to Item (Rule) 170, the inadvertence clause.



**SUBJECT 9**

**Re:** Grain Products Group

**Contact:** Angela L. Li Telephone — (703) 838-1882 angela.li@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
89230*	<b>Grain</b> , see Note, item 89231, <b>viz.:</b> <b>Barley;</b> <b>Corn;</b> <b>Grain</b> , NOI; <b>Oats;</b> <b>Rye;</b> <b>Wheat;</b> In bags, boxes or drums .....	65
89231	NOTE—Does not apply on grain represented as 'seed.' For applicable provisions, see item 173720.	
89300	<b>GRAIN PRODUCTS GROUP:</b> see Note, item 89314	
89314	NOTE—Grain products in bags each weighing less than 10 pounds will not be accepted individually, but must be enclosed in bags, boxes or drums.	
89330	<b>Barley</b> , pearled, in inner containers in boxes, or in bulk in bags or drums .....	50
89350	<b>Barley or Grain Skimmings</b> , malthouse, in bags .....	50
89370	<b>Bran</b> , NOI, in inner containers in boxes, or in bulk in bags or drums .....	50
89390	<b>Feed</b> , gluten, in bags or drums .....	50
89410	<b>Grain Feed</b> , NOI, other than prepared animal, fish or poultry feed, in drums or in cloth or paper bags .....	50
89470	<b>Grain Screenings</b> , in bags or drums .....	50
89490	<b>Grains</b> , spent, dried, in bags or drums .....	50
89500	<b>Grains</b> , spent, wet, in bags or drums .....	50
89530	<b>Grits</b> , bakers' or brewers', in bags, boxes or drums:	
Sub 1	Flaked .....	150
Sub 2	Granulated or refined .....	50
89550	<b>Grits</b> , NOI, <b>Groats or Hominy</b> , other than canned or flaked hominy, in bags, boxes or drums .....	50
89570	<b>Hulls</b> , barley, buckwheat or oat, in bags or drums .....	50
89590	<b>Malt</b> , in bags or drums .....	50
89630	<b>Malt Sprouts</b> , in bags .....	50
89690	<b>Middlings or Shorts</b> , in drums or in cloth or paper bags .....	50
89700	<b>Millet</b> , hulled, in bags or boxes .....	50
89730	<b>Oat Clippings</b> , in bags .....	50
89750	<b>Rye Grain</b> , roasted, whole, crushed, granulated or ground, NOI, in bags, boxes or drums .....	65

\*Published in Supplement 2 to NMF 100-AW, effective August 5, 2023.

SUBJECT 9

Proposed Classification Provisions

Item	Description	Class
89230	<b>Grain or Grain Products</b> , see Note, item 89231, viz.: <b>Barley;</b> <b>Corn;</b> ⇒ <b>Feed</b> , NOI, other than prepared animal, fish or poultry feed; ⇒ <del><b>Grain</b></del> , NOI; ⇒ <b>Grain or Grain Products</b> , NOI; ⇒ <b>Grits</b> , NOI; ⇒ <b>Malt;</b> <b>Oats;</b> <b>Rye;</b> <b>Wheat;</b> In bags, boxes or drums .....	65
89231	NOTE—No Change.	
89300	<b>GRAIN PRODUCTS GROUP</b> , etc .....	⇒ Cancel; no further application
89314	NOTE—Cancel; no further application.	
89330	<b>Barley</b> , pearled, etc .....	⇒ Cancel; see Item 89230
89350	<b>Barley or Grain Skimmings</b> , malthouse, etc .....	⇒ Cancel; see Item 89230
89370	<b>Bran</b> , NOI, etc .....	⇒ Cancel; see Item 89230
89390	<b>Feed</b> , gluten, etc .....	⇒ Cancel; see Item 89230
89410	<b>Grain Feed</b> , NOI, etc .....	⇒ Cancel; see Item 89230
89470	<b>Grain Screenings</b> , etc .....	⇒ Cancel; see Item 89230
89490	⊗ <b>Grains</b> , spent, dried, etc .....	⇒ Cancel; see item 89230 and provisions otherwise applicable
89500	<b>Grains</b> , spent, wet, etc .....	⇒ Cancel; see Item 89230
89530	<b>Grits</b> , bakers' or brewers', etc .....	⇒ Cancel; see Item 89230
89550	<b>Grits</b> , NOI, <b>Groats or Hominy</b> , etc .....	⇒ Cancel; see Item 89230
89570	<b>Hulls</b> , barley, buckwheat or oat, etc .....	⇒ Cancel; see Item 89230
89590	<b>Malt</b> , etc .....	⇒ Cancel; see Item 89230

**SUBJECT 9**

**Proposed Classification Provisions — Concluded**

Item	Description	Class
	<b>GRAIN PRODUCTS GROUP:</b> subject to item 89300	
89630	<b>Malt Sprouts</b> , etc.....	⇒Cancel; see Item 89230
89690	<b>Middlings or Shorts</b> , etc.....	⇒Cancel; see Item 89230
89700	<b>Millet</b> , hulled, etc .....	⇒Cancel; see Item 89230
89730	<b>Oat Clippings</b> , etc .....	⇒Cancel; see Item 89230
89750	<b>Rye Grain</b> , roasted, whole, crushed, granulated or ground, etc.....	⇒Cancel; see Item 89230

**Analysis**

**Introduction**

All items in the Grain Products Group name particular types of processed grains and grain by-products, and these provisions can be difficult to interpret, apply or verify. The transportation characteristics below relate to the items subject to the Grain Products Group, as shown in the Present Classification Provisions herein.

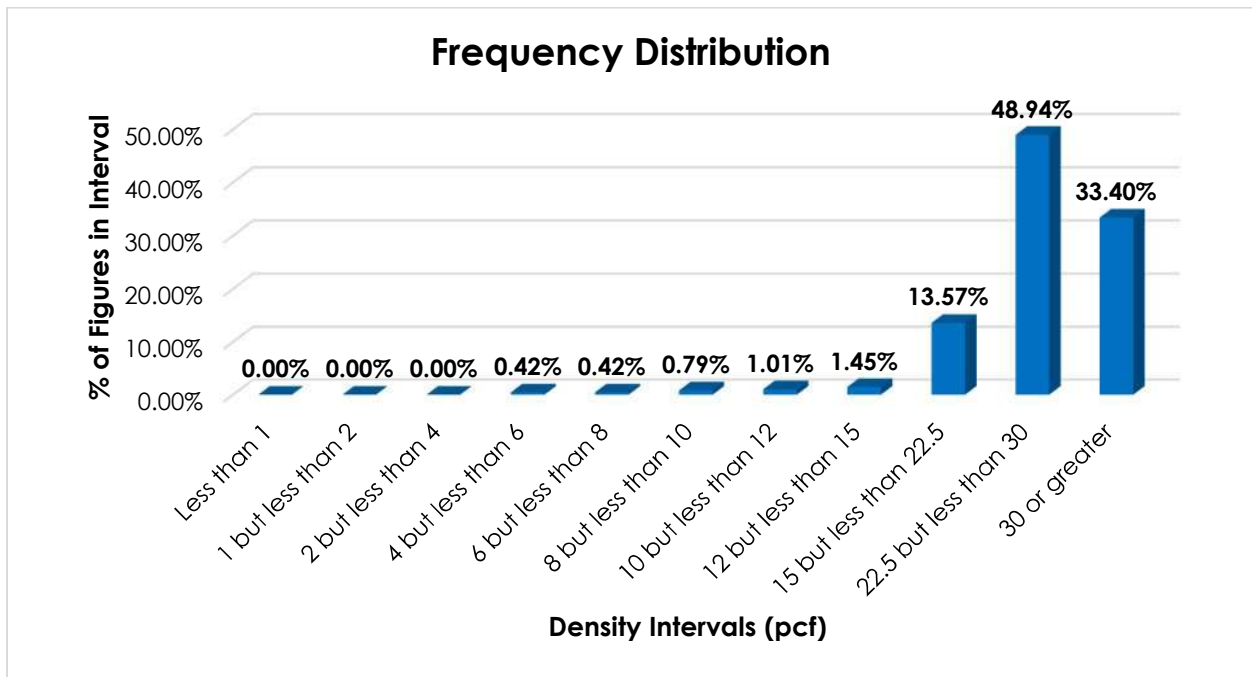
**Transportation Characteristics**

**Density**—The information of record includes 6,426 density observations obtained from the FCDC's Density Study<sup>1</sup>. The densities range from 4.11 to 59.06 pcf, with an overall average density of 28.38 pcf. As shown in the graph on the following page, the density distribution is left-skewed, with almost 83% of the figures being 15 pcf or greater.

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<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 9



**Handling, Stowability and Liability**—As with other food, care must be taken to avoid stowing the involved commodities with hazardous materials or other freight that may pose a contamination risk. They may also be damaged by freight with which stowed or by the elements. However, there have been no reports of unusual or significant handling, stowability or liability issues.

**Conclusion**

Based on the foregoing analysis, and in the interest of clarification and simplification, this proposal would cancel items 89330, 89350, 89370, 89390, 89410, 89470, 89490<sup>2</sup>, 89500, 89530, 89550, 89570, 89590, 89630, 89690, 89700, 89730 and 89750 with reference to item 89230. The “viz.” listing in item 89230 would also be amended in the interest of clarification and simplification.

Note, item 89314 and the generic heading, item 89300, would be canceled with no further application.

<sup>2</sup> Item 89490 would be canceled with reference to item 89230 and to provisions otherwise applicable, dependent upon whether or not the particular product shipped is regulated as hazardous by the U.S. Department of Transportation.

**SUBJECT 10**

**Re:** Burial Cases, Caskets, Coffins, Grave Vaults or Body Transfer Containers

**Contact:** Lanae C. Peterson Telephone — (703) 838-1810 peterson@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
	<b>BURIAL CASE GROUP:</b> subject to item 38800	
38805	<b>Boxes or Containers</b> , for shipping uncasketed remains, KD, in bundles:	
Sub 1	Fiberboard.....	110
Sub 2	Wood, with fiberboard covering.....	70
38808	<b>Boxes or Trays</b> , cremation, fiberboard or fiberboard and wood combined, KD, in bundles.....	110
38850	<b>Burial Case or Casket Linings</b> , metal, in boxes or crates.....	150
38890	<b>Burial Case Shipping Boxes</b> , NOI;	
Sub 1	SU .....	300
Sub 2	KD, in packages.....	100
38900	<b>Burial Cases (Caskets or Coffins) or Casket Shells</b> , NOI, SU, in boxes or Packages 170 or 2222.....	200
38910	<b>Burial Cases (Caskets or Coffins)</b> , SU, wooden, in the white or stained, not further finished:	
Sub 1	Wrapped .....	125
Sub 2	In boxes or wrapped in crates.....	100
38920	<b>Burial Vault or Burial Case Shipping Boxes</b> , wood, metal lined or faced, KD, in packages.....	85
38930	<b>Casket or Coffin Material</b> , wooden, in the white, KD, consisting of sides, ends, corners, top frames or panels, built-up but requiring further mitering, planing or sawing operations before becoming completed casket or coffin parts, in boxes or crates.....	70
38935	<b>Caskets or Coffins</b> , corrugated fiberboard, SU, with or without handles, wrapped or in fiberboard sleeves .....	300
38940	<b>Caskets or Coffins</b> , KD, wooden, in the white, in packages.....	70
38963	<b>Containers</b> , body transfer shipping ( <b>Zeigler-Type Shippers</b> ), metal, SU.....	85
38970	<b>Grave Vaults:</b>	
Sub 1	Asphalt composition, cement or concrete:	
Sub 2	SU.....	70
Sub 3	KD.....	50
Sub 4	Cast iron, wrapped and crated.....	70
Sub 5	Plastic or composition, NOI:	
Sub 6	Not nested, in boxes or crates; or nested in nests of 3 or 4, bases not nested, banded to pallets .....	250
Sub 7	Nested in nests of 5 or more, bases not nested, banded to pallets....	150
Sub 8	Slate or stone, natural:	
Sub 9	SU, in boxes or crates.....	70
Sub 10	KD.....	50

**SUBJECT 10**

**Present Classification Provisions — Concluded**

Item	Description	Class
	<b>BURIAL CASE GROUP:</b> subject to item 38800	
39030	<b>Grave Vaults or Burial Case Shipping Boxes:</b>	
39040	Iron or steel	
Sub 1	12 gauge or thicker .....	100
Sub 2	13 gauge or thinner:	
Sub 3	SU .....	125
Sub 4	KD, in packages .....	70
39050	Metal, NOI, in boxes or crates .....	150

**Package 170**

In 3-piece doublewall corrugated fiberboard boxes, the fiberboard conforming to Secs. 2 and 3 of Item 222 for boxes testing not less than 275 pounds. Box must consist of body and two flanged caps with not less than 6-inch flanges fitting over top and bottom of body. Inner packing must consist of four corrugated doublewall corner pieces, one at each bottom corner, scored, slotted and folded to provide four thicknesses on the ends, sides and bottom; two doublewall corrugated creased sheets running across the width, one at each end: four singlewall corrugated creased sheets, centered, with one running across the width at top, one at bottom, and one on each side running the depth, the four forming a complete band around the center not less than 10 inches wide. Inner packing must maintain not less than 1 1/4 inches clearance on all sides and top and 1 inch on the bottom. All finished surfaces must be adequately protected against abrasion. Box must be closed by not less than five steel straps not less than 1/2 inch x 0.015 inch. Box must not exceed 150 united inches. Gross weight must not exceed 275 pounds.

**Package 2222**

In container consisting of doublewall telescope cover resting on and securely strapped to wood pallet with not less than 3 steel bands 5/8 inch wide.

Telescope cover to be made of doublewall corrugated fiberboard testing not less than 450 pounds with a minimum combined weight of facings of 207 pounds, slotted to provide double thickness extending along sides from corners a distance equal to the depth of cover. Additional sheets of doublewall corrugated fiberboard testing not less than 350 pounds, full width of container, must be laminated to each end of telescope cover extending full depth and a minimum of 45 percent of the length of top panel from each end. The laminated area must be glued over not less than 80 percent of the area of contact.

Product must be securely attached and located on wood base to maintain one inch clearance from container on ends and sides. Base to be made of not less than 4 pieces of 3/4 inch thick lumber having a cross-sectional area of not less than 9 3/4 square inches.

Top clearance to be not less than 3 inches.

All surfaces subject to abrasion must be protected with nonabrasive material.

Maximum gross weight not to exceed 375 pounds.

SUBJECT 10

Proposed Classification Provisions

Item	Description	Class
	<b>BURIAL CASE GROUP:</b> subject to item 38800	
38805	<b>Boxes or Containers</b> , for shipping uncasketed remains, KD, etc .....	⇒Cancel; see item NEW
38808	<b>Boxes or Trays</b> , cremation, fiberboard or fiberboard and wood combined, KD, etc .....	⇒Cancel; see item NEW
38850	<b>Burial Case or Casket Linings</b> , metal, etc.....	⇒Cancel; believed to be obsolete
38890	<b>Burial Case Shipping Boxes</b> , NOI, etc .....	⇒Cancel; see item NEW
38900	<b>Burial Cases (Caskets or Coffins) or Casket Shells</b> , NOI, etc .....	⇒Cancel; see item NEW
38910	<b>Burial Cases (Caskets or Coffins)</b> , SU, wooden, in the white or stained, not further finished, etc .....	⇒Cancel; see item NEW
38920	<b>Burial Vault or Burial Case Shipping Boxes</b> , wood, metal lined or faced, KD, in packages, etc .....	⇒Cancel; see item NEW
38930	<b>Casket or Coffin Material</b> , wooden, in the white, KD, consisting of sides, ends, corners, top frames or panels, built-up but requiring further mitring, planing or sawing operations before becoming completed casket or coffin parts, etc.....	⇒Cancel; see item NEW
38935	<b>Caskets or Coffins</b> , corrugated fiberboard, SU, with or without handles, wrapped or in fiberboard sleeves, etc .....	⇒Cancel; see item NEW
38940	<b>Caskets or Coffins</b> , KD, wooden, in the white, etc .....	⇒Cancel; see item NEW
38963	<b>Containers</b> , body transfer shipping ( <b>Zeigler-Type Shippers</b> ), metal, SU.....	⇒Cancel; see item NEW
38970	<b>Grave Vaults</b> , etc .....	⇒Cancel; see item NEW
39030	<b>Grave Vaults or Burial Case Shipping Boxes</b> , .....	⇒Cancel; see item NEW
39040	Iron or steel, etc .....	⇒Cancel; see item NEW
39050	Metal, NOI, etc .....	⇒Cancel; see item NEW

**SUBJECT 10**

**Proposed Classification Provisions — Concluded**

Item	Description	Class
⇒NEW	<b>Caskets or Coffins, NOI; Boxes, Containers or Trays or Containers,</b> burial, cremation or body transfer, NOI; <b>or Grave Vaults, NOI;</b> in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 4.....	250
Sub 2	4 or greater .....	150

**Package 170**

⇒Cancel; no further application.

**Package 2222**

⇒Cancel; no further application.

**Analysis**

**Introduction**

Numerous items in the Burial Case Group name particular types of burial cases, caskets, coffins, grave vaults or body transfer containers, and these provisions can be difficult to interpret, apply or verify. The transportation characteristics below relate to the items subject to the Burial Case Group, as shown in the Present Classification Provisions herein.

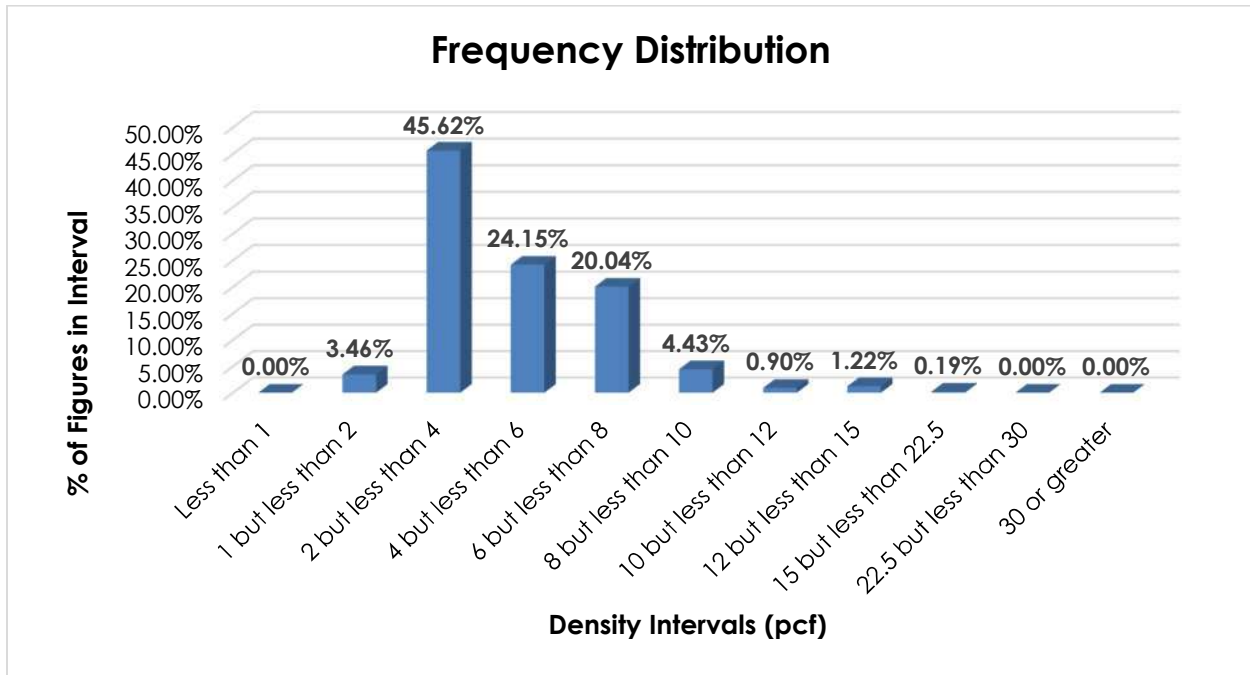
**Transportation Characteristics**

**Density**—The information of record includes 5,349 density observations obtained from the FCDC’s Density Study<sup>1</sup>. The densities range from 1.02 to 21.30 pcf, with an overall average density of 4.72 pcf. As shown in the graph on the following page, the density distribution is right-skewed and heavily clustered between 2 and 8 pcf. A single density break at 4 pcf addresses the spread and modality of the distribution.

<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.



SUBJECT 10



When the data is evaluated based on the proposed density break at 4 pcf, the density ranges and averages shown in the table below emerge.

Density Groups (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 4	1.02 – 3.99	3.09
4 or greater	4.00 – 21.30	6.29

**Handling, Stowability and Liability**—There have been no reports of unusual or significant handling, stowability or liability issues.

**Conclusion**

Based on the foregoing analysis, items 38805, 38808, 38890, 38900, 38910, 38920, 38930, 38935, 38940, 38963, 38970, 39030, 39040 and 39050 would be canceled with reference to a new item, naming “Caskets and Coffins, NOI; Boxes, Trays or Containers, burial, cremation or body transfer, NOI; or Grave Vaults, NOI.” The new item would assign classes predicated on density, with a single break at 4 pcf<sup>2</sup>. The table below relates the information of record to the proposed density groupings and FCDC guidelines.

Density Groups (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines
Less than 4	3.09	3	250
4 or greater	6.29	6	150

Item 38850 would be canceled as obsolete.

<sup>2</sup> The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

**SUBJECT 10**

The minimum packaging requirements would ensure that freight is adequately protected and can be handled and stowed in a manner that is reasonably safe and practicable so as to withstand the normal rigors of the less-than-truckload environment. Additionally, Packages 170 and 2222 would be canceled with no further application.

**SUBJECT 11**

**Re:** Casket or Coffin Hardware, Lowering Devices or Display Devices

**Contact:** Lanae C. Peterson Telephone — (703) 838-1810 peterson@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
	<b>BURIAL CASE GROUP:</b> subject to item 38800	
38810	<b>Burial Case or Casket Carriages, Pedestals or Truck Biers,</b> undertakers', in boxes or crates.....	125
38820	<b>Burial Case or Casket Handles,</b> in boxes or drums .....	85
38830	<b>Burial Case or Casket Handle Stampings or Tubes,</b> steel, unfinished, in boxes or drums.....	70
38860	<b>Burial Case or Casket Lowering Devices:</b>	
Sub 1	SU, in boxes or crates.....	150
Sub 2	KD, in boxes.....	100
38870	<b>Burial Case or Casket Ornaments,</b> metal or composition, <b>Plates or Ornamental Screws,</b> in boxes or drums.....	85
38880	<b>Burial Case or Casket Placers,</b> KD, in boxes.....	100
	<b>HARDWARE GROUP:</b> subject to item 92900	
95190	<b>Hardware, viz.:</b>	
	<b>Hardware,</b> NOI;	
	<b>Hose Clamps;</b>	
	In boxes, crates, drums or Package 783, 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

SUBJECT 11

Present Classification Provisions — Continued

Item	Description	Class
	<b>MACHINERY GROUP:</b> subject to item 114000	
133300	<b>Machinery or Machines, NOI, or Machinery or Machine Parts, NOI:</b>	
Sub 1	In boxes, crates or Packages 107, 1082, or 2107, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 5 .....	250
Sub 3	5 but less than 10 .....	125
Sub 4	10 but less than 15 .....	85
Sub 5	15 or greater.....	65
Sub 6	On skids or in packages other than boxes, crates or Packages 107, 1082 or 2107, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 7	Less than 5 .....	400
Sub 8	5 but less than 10 .....	175
Sub 9	10 but less than 15 .....	100
Sub 10	15 or greater.....	77.5
	<b>STANDS:</b> subject to item 178350	
178690	<b>Stands, viz.:</b>	
	<b>Christmas Tree Stands;</b>	
	<b>Clothes or Luggage Stands;</b>	
	<b>Stanchions,</b> pedestrian traffic or crowd control, with or without rope or retractable belt;	
	<b>Stands, NOI;</b>	
	In packages, 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

SUBJECT 11

Present Classification Provisions — Concluded

Item	Description	Class
	<b>VEHICLES, OTHER THAN SELF-PROPELLED:</b> subject to item 188500	
188560	<b>Barrows, Carts, Trucks, Wagons or Wheelbarrows,</b> NOI, hand, in packages, see Note, item 188561, 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
188561	NOTE—Not Involved.	

Proposed Classification Provisions

Item	Description	Class
	<b>BURIAL CASE GROUP:</b> subject to item 38800	
38810	<b>Burial Case or Casket Carriages, Pedestals or Truck Biers,</b> etc ..... ⇒Cancel; see items 178690 and 188560	
38820	<b>Burial Case or Casket Handles,</b> etc ..... ⇒Cancel; see item 95190	
38830	<b>Burial Case or Casket Handle Stampings or Tubes,</b> steel, unfinished, etc..... ⇒Cancel; see item 95190	
38860	<b>Burial Case or Casket Lowering Devices:</b> etc ..... ⇒Cancel; see item 133300	
38870	<b>Burial Case or Casket Ornaments,</b> metal or composition, <b>Plates or Ornamental Screws,</b> etc ..... ⇒Cancel; see item 95190	
38880	<b>Burial Case or Casket Placers,</b> KD, etc ..... ⇒Cancel; see item 95190	

SUBJECT 11

Proposed Classification Provisions — Continued

Item	Description	Class
	<b>HARDWARE GROUP:</b> subject to item 92900	
95190	<b>Hardware, viz.:</b> ⇒Casket or Coffin Hardware, NOI; <b>Hardware, NOI;</b> <b>Hose Clamps;</b> In boxes, crates, drums or Package 783, 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
	<b>MACHINERY GROUP:</b> subject to item 114000	
133300	<b>Machinery or Machines, NOI, or Machinery or Machine Parts, NOI:</b> Sub 1 In boxes, crates or Packages 107, 1082, or 2107, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 5 .....	250
Sub 3	5 but less than 10 .....	125
Sub 4	10 but less than 15 .....	85
Sub 5	15 or greater.....	65
Sub 6	On skids or in packages other than boxes, crates or Packages 107, 1082 or 2107, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 7	Less than 5 .....	400
Sub 8	5 but less than 10 .....	175
Sub 9	10 but less than 15 .....	100
Sub 10	15 or greater.....	77.5

SUBJECT 11

Proposed Classification Provisions — Concluded

Item	Description	Class
	<b>STANDS:</b> subject to item 178350	
178690	<b>Stands, viz.:</b> ⇒ <b>Casket or Coffin Pedestals, or Biers, NOI;</b> <b>Christmas Tree Stands;</b> <b>Clothes or Luggage Stands;</b> <b>Stanchions,</b> pedestrian traffic or crowd control, with or without rope or retractable belt; <b>Stands, NOI;</b> In packages, 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
	<b>VEHICLES, OTHER THAN SELF-PROPELLED:</b> subject to item 188500	
188560	<b>Barrows, Carts, Trucks, Wagons or Wheelbarrows, NOI,</b> hand, in packages, see Note, item 188561, 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
188561	NOTE—No Change.	

**SUBJECT 11**

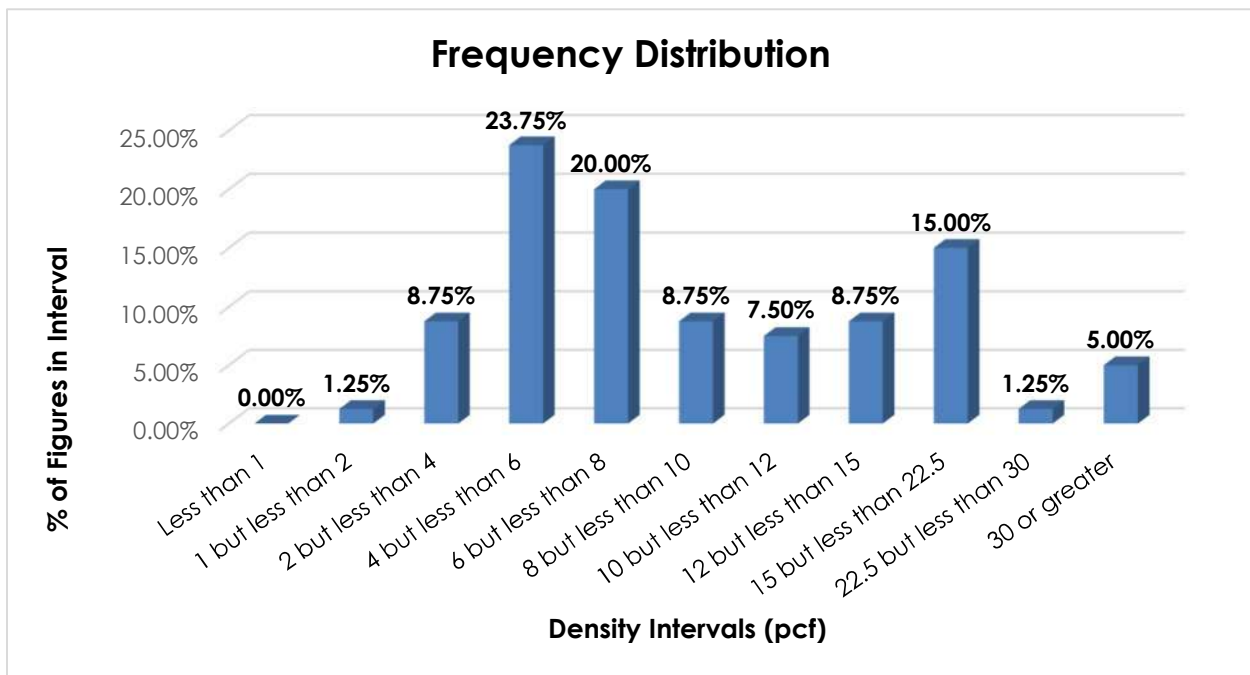
**Analysis**

**Introduction**

Numerous items in the Burial Case Group name particular types of casket or coffin hardware, lowering devices or display devices, and these provisions can be difficult to interpret, apply or verify. The transportation characteristics below relate to the items subject to the Burial Case Group as shown in the Present Classification Provisions herein.

**Transportation Characteristics**

**Density**—The information of record includes 80 density observations obtained from the FCDC's Density Study<sup>1</sup>. The densities range from 1.76 to 40.64 pcf, with an overall average density of 10.71 pcf. As shown in the graph below, the densities are widely distributed throughout the range.



<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.



## SUBJECT 11

**Handling, Stowability and Liability**—There have been no reports of unusual or significant handling, stowability or liability issues.

### Conclusion

Based on the foregoing analysis, items 38820, 38830, 38870, and 38880 would be canceled with reference to the full-scale, density-based provisions of item 95190<sup>2</sup>. Concurrently, this proposal would amend the “viz.” listing in item 95190 to include, “Casket or Coffin Hardware, NOI.”

Item 38810 would be canceled with reference to the full-scale density-based provisions of items 178690<sup>2</sup> and 188560<sup>2</sup>, depending on the product's representation and intended use.

Item 38860 would be canceled with reference to item 133300<sup>3</sup>.

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<sup>2</sup> Items 95190, 178690 and 188560 provide the FCDC's standard 11-subprovision density scale, which includes reference to Item (Rule) 170, the inadvertence clause.

<sup>3</sup> The density provisions of item 133300 include reference to Item (Rule) 170, the inadvertence clause.

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**SUBJECT 12**

**Re:** Chairs, electric or mechanical, with or without hydraulic or power-operated bases — Items 56536, 79265 and 80520

**Contact:** Adam C. Mercer Telephone — (703) 838-1911 mercer@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
56536	<b>DENTAL, HOSPITAL, MEDICAL OR SURGICAL SUPPLY GROUP:</b> subject to item 56400 <b>Chairs</b> , upholstered, equipped with mechanical lifting and lowering device for assistance in standing or sitting, in boxes or crates ..... 150	150
79265	<b>FURNITURE GROUP:</b> subject to item 79000 <b>Chairs or Spas</b> , pedicure or foot, consisting of a seating unit and base with foot bath or tub, with or without heat, therapeutic jets or other accessories in same or separate packages, in boxes or crates..... 200	200
80520	<b>Chairs</b> , adjustable, with hydraulic or power-operated bases, <b>viz.:</b> <b>Barber;</b> <b>Beauty;</b> <b>Dental;</b> <b>Medical Examination;</b> <b>Ophthalmic Examination</b> , see Note, item 80522; In Packages 1F, 3F or 5F, see Note, item 80521:	
Sub 1	SU.....	200
Sub 2	KD.....	100
80521	NOTE—Liquids must be removed from hydraulic bases or be in liquid-tight sealed bases.	
80522	NOTE—Ophthalmic examination chairs may be shipped with instrument stands or tables including base plate, pedestal, instrument arms, lamp or instrument console. Provisions do not apply on chairs or units equipped with instruments.	

SUBJECT 12

Proposed Classification Provisions

Item	Description	Class
56536	<b>DENTAL, HOSPITAL, MEDICAL OR SURGICAL SUPPLY GROUP:</b> subject to item 56400 <b>Chairs</b> , upholstered, equipped with mechanical lifting and lowering device for assistance in standing or sitting, etc ..... ⇒Cancel; see item A-NEW	
79265	<b>FURNITURE GROUP:</b> subject to item 79000 <b>Chairs or Spas</b> , pedicure or foot, consisting of a seating unit and base with foot bath or tub, with or without heat, therapeutic jets or other accessories in same or separate packages, etc ..... ⇒Cancel; see item A-NEW	
⇒A-NEW	<b>Chairs</b> , electric or mechanical, with or without hydraulic or power-operated bases, see Note, item B-NEW, <b>viz.:</b> <b>Barber, Beauty or Salon;</b> <b>Dental;</b> <b>Medical Examination;</b> <b>Mobility Assist or Lift Chairs</b> , with electrical or mechanical lifting and lowering mechanism for assistance in standing or sitting, see Note, item C-NEW; <b>Ophthalmic Examination</b> , see Note, item D-NEW; <b>Spa</b> , pedicure or foot, see Note, item E-NEW; In boxes or crates:	
Sub 1	Less than 4 .....	250
Sub 2	4 but less than 7 .....	175
Sub 3	7 or greater .....	100
⇒B-NEW	NOTE—Liquids must be removed from hydraulic bases or be in liquid-tight sealed bases.	
⇒C-NEW	NOTE—Does not apply on motor-propelled wheelchairs. For applicable provisions, see item 57070.	
⇒D-NEW	NOTE—Also applies on ophthalmic examination chairs shipped with instrument stands or tables including base plate, pedestal, instrument arms, lamp or instrument console, but does not apply on chairs or units equipped with instruments.	
⇒E-NEW	NOTE—Provisions also apply on articles consisting of a seating unit and base with foot bath or tub, with or without heat, therapeutic jets or other accessories in same or separate packages.	
80520	<b>Chairs</b> , adjustable, with hydraulic or power-operated bases, <b>viz.:</b> <b>Barber;</b> <b>Beauty;</b> <b>Dental;</b> <b>Medical Examination;</b> <b>Ophthalmic Examination</b> , etc ..... ⇒Cancel; see item A-NEW	
80521	NOTE—⇒Cancel; see item B-NEW.	
80522	NOTE—⇒Cancel; see item D-NEW.	

**SUBJECT 12**

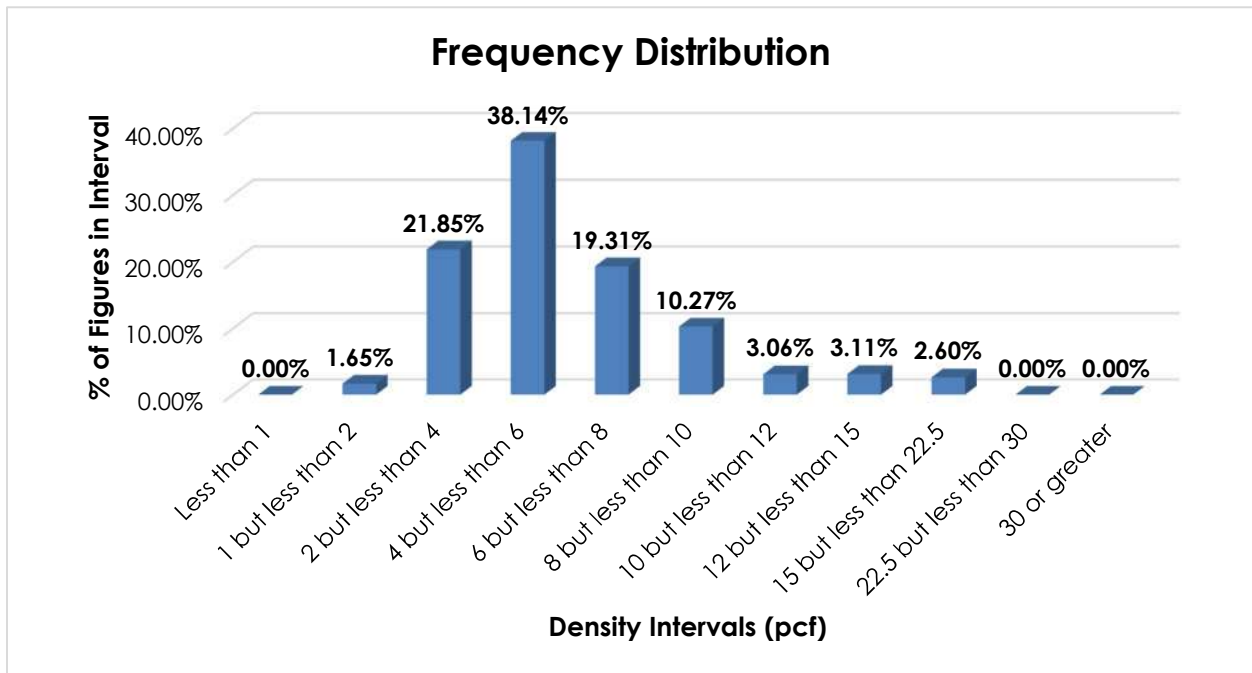
**Analysis**

**Introduction**

During the reviews of the Dental, Hospital, Medical or Surgical Supply Group and Furniture Group (Docket 2023-1, Subjects 3 and 1, respectively), it was noted that items 56536, 79265 and 80520 apply on related chairs.

**Transportation Characteristics**

**Density**—The information of record includes 11,979 density observations obtained from the FCDC’s Density Study<sup>1</sup>. The densities range from 1.11 to 16.50 pcf, with an overall average density of 6.02 pcf. As shown in the graph below, the density distribution is right-skewed, with almost 90% of the figures between 2 and 10 pcf. Density breaks at 4 and 7 pcf reflect the modality and spread of the distribution.



<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

**SUBJECT 12**

When the data is evaluated based on the proposed density breaks at 4 and 7 pcf, the density ranges and averages shown in the table below emerge.

Density Groups (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 4	1.11 – 3.99	3.09
4 but less than 7	4.00 – 6.99	5.34
7 or greater	7.00 – 16.50	9.98

**Handling, Stowability and Liability**—There have been no reports of unusual or significant handling, stowability or liability issues.

**Conclusion**

Based on the foregoing analysis, this proposal would cancel items 56536, 79265 and 80520 with reference to a new item, naming “Chairs, electric or mechanical, with or without hydraulic or power-operated bases” with a “viz.” format. Classes predicated on density breaks at 4 and 7 pcf<sup>2</sup> would be assigned to the new item. The table below relates the information of record to the proposed density groupings and FCDC guidelines.

Density Groups (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines
Less than 4	3.09	3	250
4 but less than 7	5.34	5	175
7 or greater	9.98	9	100

Notes, items 80521 and 80522 would be canceled with reference to new Notes, and two additional Notes would be established to clarify the application of the new item.

<sup>2</sup> The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

**SUBJECT 13**

**Re:** Incinerators, garbage or offal — Items 26600 and 26620

**Contact:** Lanae C. Peterson Telephone — (703) 838-1810 peterson@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
	<b>BOILERS, FURNACES, STOVES AND RELATED ARTICLES GROUP:</b> subject to item 25400	
26600	<b>Incinerators</b> , garbage, offal or rubbish, steel, lined with refractory material, with or without gas or oil burners, steel skid mounted construction, weighing each not less than 3,000 pounds .....	65
26620	<b>Incinerators</b> , garbage or offal, NOI, cast or malleable iron, or plate or sheet iron combined with cast or malleable iron, with or without firebricks:	
Sub 1	SU .....	70
Sub 2	KD .....	60

**Proposed Classification Provisions**

Item	Description	Class
	<b>BOILERS, FURNACES, STOVES AND RELATED ARTICLES GROUP:</b> subject to item 25400	
⇒NEW	<b>Incinerators</b> , garbage, offal or rubbish, NOI .....	70
26600	<b>Incinerators</b> , garbage, offal or rubbish, steel, lined with refractory material, with or without gas or oil burners, steel skid mounted construction, weighing each not less than 3,000 pounds..... ⇒Cancel; see item NEW	
26620	<b>Incinerators</b> , garbage or offal, NOI, cast or malleable iron, or plate or sheet iron combined with cast or malleable iron, with or without firebricks:..... ⇒Cancel; see item NEW	

**Analysis**

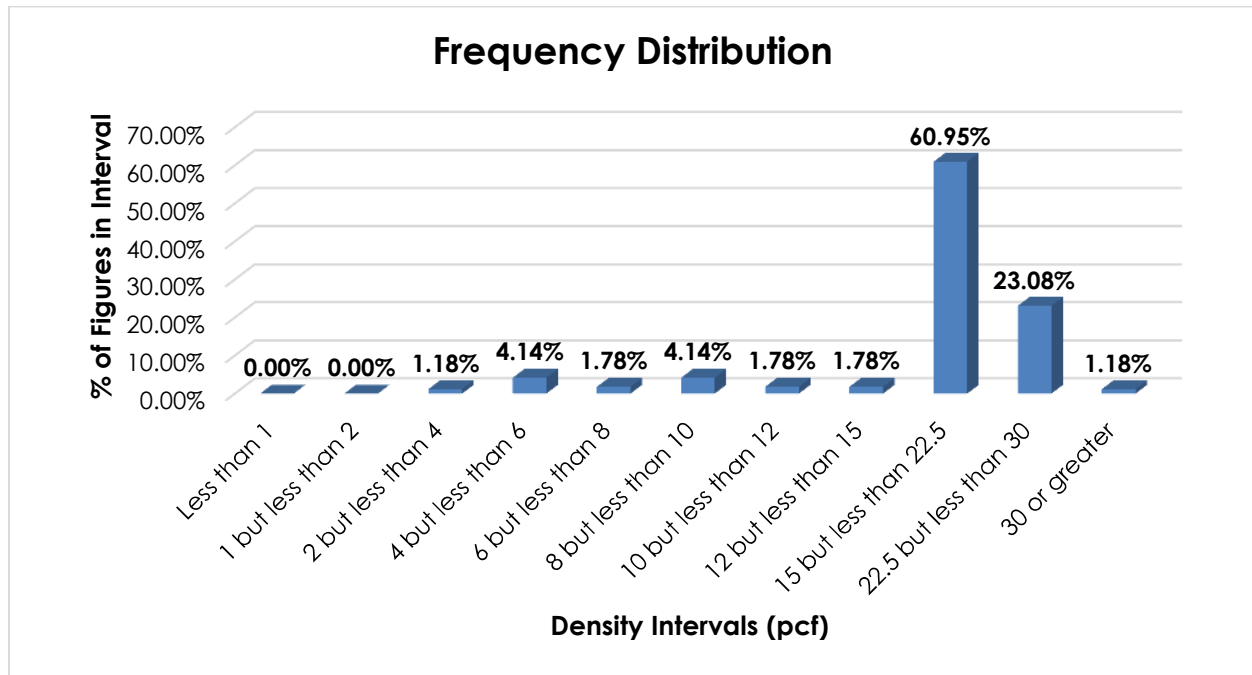
**Introduction**

This proposal addresses indications that shipments of incinerators, as named in items 26600 and 26620, exhibit transportation characteristics inconsistent with the currently assigned classes.

SUBJECT 13

Transportation Characteristics

**Density**—The information of record includes 169 density observations obtained from the FCDC’s Density Study<sup>1</sup>. The densities range from 3.80 to 32.59 pcf, with an overall average density of 18.68 pcf. As shown in the graph below, the densities are left-skewed, with over 84% of the figures between 15 and 30 pcf.



**Handling, Stowability and Liability**—There have been no reports of unusual or significant handling, stowability or liability issues.

Conclusion

Based on the foregoing analysis, this proposal would cancel items 26600 and 26620 with reference to new item, naming “Incinerators, garbage, offal or rubbish, NOI,” at class 70.

<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.



**SUBJECT 14**

**Re:** Windows, bank drive-up or walk-up

**Contact:** Angela L. Li Telephone — (703) 838-1882 angela.li@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
	<b>BUILDING METALWORK GROUP:</b> subject to item 35600	
37375	<b>Windows</b> , bank drive-up or walk-up, steel, see Note, item 37377, in boxes or crates.....	175
37377	NOTE—Applies only on flush or bay types, with clerks' working counters or tops, with or without electrically or manually operated drawers, with or without glass, with or without electrical wiring, or lighting, heating, defrosting or communications speaker units, but not including other electrical communications or visual apparatus nor pneumatic transmission apparatus nor cameras.	

**Proposed Classification Provisions**

Item	Description	Class
	<b>BUILDING MATERIALS, MISCELLANEOUS, GROUP:</b> subject to item 33570	
⇒NEW	<b>Windows</b> , service or transaction, metal, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 5.....	200
Sub 2	5 or greater .....	150
	<b>BUILDING METALWORK GROUP:</b> subject to item 35600	
37375	<b>Windows</b> , bank drive-up or walk-up, steel, etc .....	⇒Cancel; see item NEW
37377	NOTE—⇒Cancel; no further application.	

**Analysis**

**Introduction**

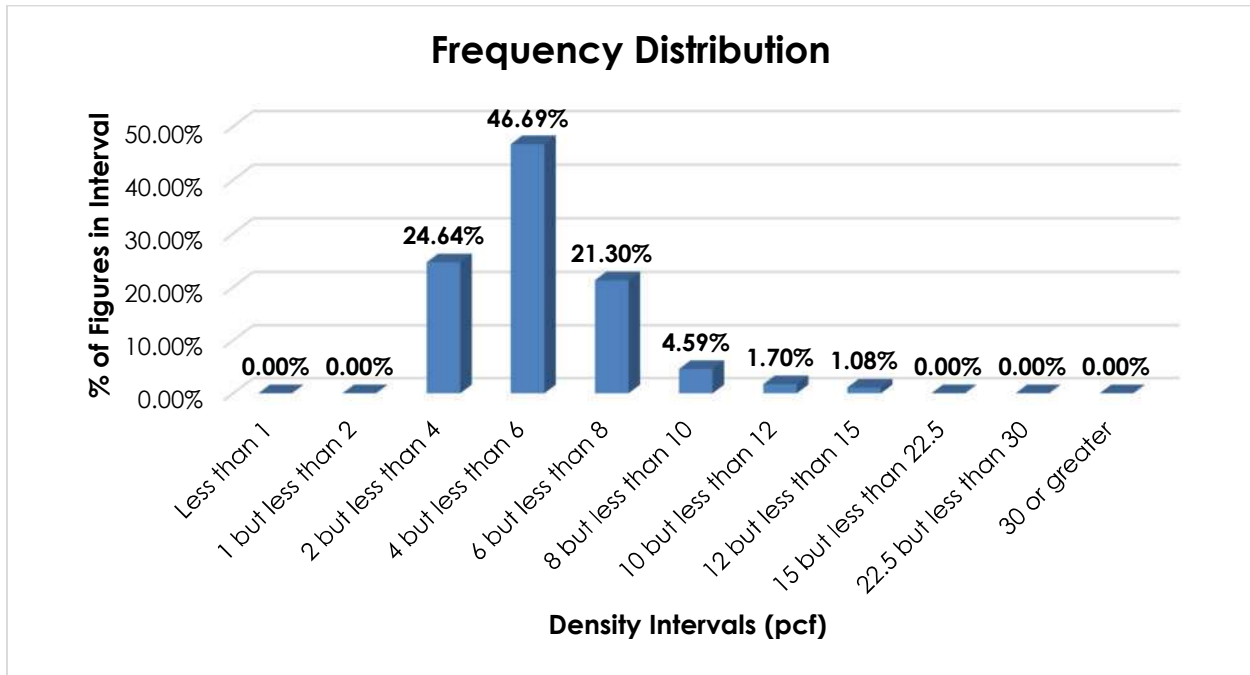
This proposal responds to the summation of Research Project 1519, which sought to review the transportation characteristics of steel bank drive-up or walk-up windows, as named in item 37375. During the course of research, the project was expanded to include other types of service or transactional windows. Pictures of some of the involved commodities are shown on the following page.

SUBJECT 14



Transportation Characteristics

**Density**—The information of record includes 3,052 density observations submitted by a carrier and obtained from the FCDC’s Density Study<sup>1</sup>. The densities range from 2.32 to 13.50 pcf, with an overall average density of 5.29 pcf. As shown in the graph below, the density distribution is right-skewed, with over 92% of the figures between 2 and 8 pcf. A density break at 5 pcf reflects the modality and spread of the distribution.



<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

**SUBJECT 14**

When the data is evaluated based on the proposed density break at 5 pcf, the density ranges and averages shown in the table below emerge.

Density Groups (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 5	2.32 – 4.99	4.01
5 or greater	5.00 – 13.50	6.82

**Handling, Stowability and Liability**—There have been no reports of unusual or significant handling, stowability or liability issues.

**Conclusion**

Based on the foregoing analysis, this proposal would cancel item 37375 with reference to a new item, naming “Windows, service or transaction, metal,” with classes predicated on a density break at 5 pcf<sup>2</sup>. The table below relates the information of record to the proposed density groupings and FCDC density guidelines.

Density Groups (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class based on FCDC Density Guidelines
Less than 5	4.01	4	200
5 or greater	6.82	6	150

Note, item 37377 would be canceled with no further application.

The FCDC's Packaging Development Manager has reviewed the proposed minimum packaging requirements, i.e. “in boxes or crates,” and determined that they are appropriate for the LTL environment.

<sup>2</sup> The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

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**SUBJECT 15**

**Re:** Safes or Vaults, or Parts thereof

**Contact:** Lanae C. Peterson Telephone — (703) 838-1810 peterson@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
172240	<b>SAFES OR SAFE OR VAULT PARTS, FIRE OR BURGLAR PROOF:</b>	
172260	<b>Safes</b> , with hollow walls or with solid walls less than 1 inch thick, wrapped, see Note, item 172282, or in boxes, crates or Package 2460.....	85
172280	<b>Safes</b> , with solid walls one inch or more in thickness, in boxes or crates or wrapped, see Note, item 172282, or in Package 2460.....	70
172282	NOTE—Safes must be wrapped with solid fiberboard or corrugated fiberboard securely fastened with steel bands. Regular slotted containers (RSC) may be closed by gluing flaps 100 percent of contact.	
172300	<b>Safe or Vault Doors or Vault Fronts</b> , wrapped in burlap, or in boxes or crates .....	70
172320	<b>Safe Deposit Boxes or Cases</b> , in boxes or crates .....	70
172340	<b>Vault Linings</b> , steel .....	65

**Proposed Classification Provisions**

Item	Description	Class
172240	<b>SAFES OR SAFE OR VAULT PARTS, FIRE OR BURGLAR PROOF:</b> .....	⇒Cancel; no further application
172260	<b>Safes</b> , with hollow walls or with solid walls less than 1 inch thick, wrapped, etc .....	⇒Cancel; see item NEW
172280	<b>Safes</b> , with solid walls one inch or more in thickness, etc.....	⇒Cancel; see item NEW
172282	NOTE—	⇒Cancel; no further application.
172300	<b>Safe or Vault Doors or Vault Fronts</b> , etc .....	⇒Cancel; see item NEW
172320	<b>Safe Deposit Boxes or Cases</b> , etc .....	⇒Cancel; see item NEW
172340	<b>Vault Linings</b> , steel .....	⇒Cancel; see item NEW
⇒NEW	<b>Safes or Vaults, or Parts thereof</b> , in boxes, crates or Package 2460, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 15.....	100
Sub 2	15 or greater .....	70

**SUBJECT 15**

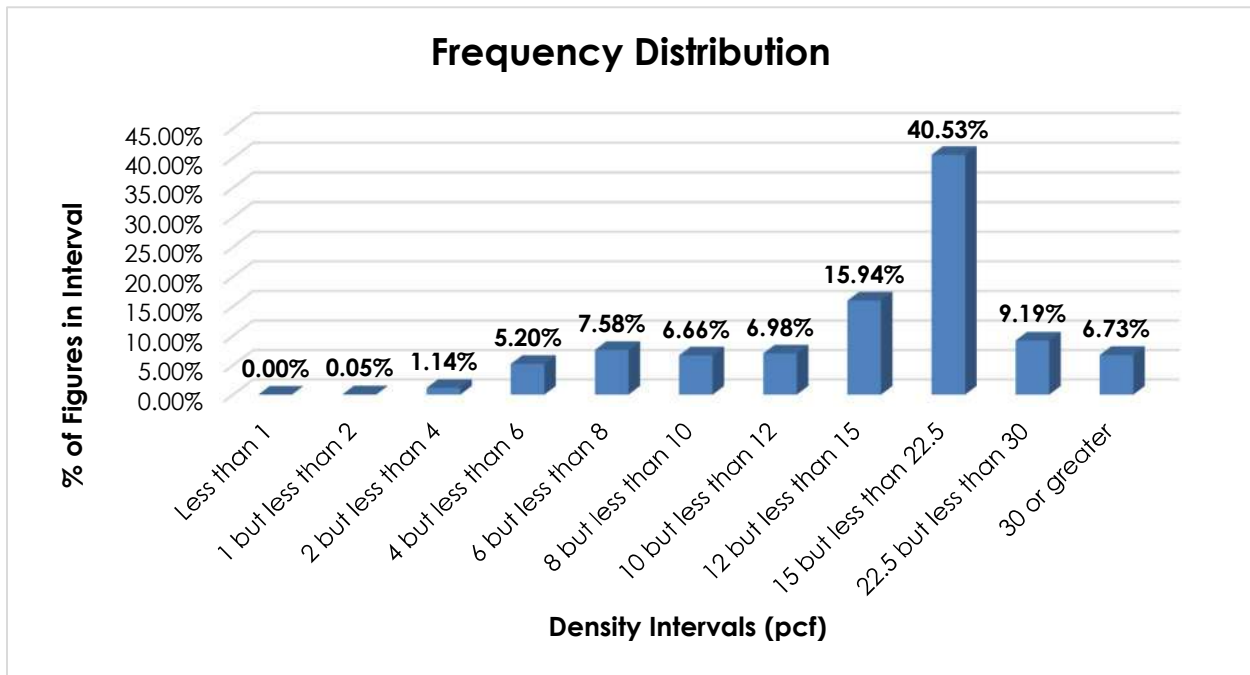
**Analysis**

**Introduction**

All of the items in the Safes or Safe or Vault Parts, Fire or Burglar Proof generic heading name particular types of safes, or safe or vault parts, and these provisions can be difficult to interpret, apply or verify. The transportation characteristics below relate to items 172260, 172280, 172300, 172320 and 172340, as shown in the Present Classification Provisions herein.

**Transportation Characteristics**

**Density**—The information of record includes 60,549 density observation obtained from the FCDC’s Density Study<sup>1</sup>. The densities range from 1.05 to 45.45 pcf, with an overall average density of 16.42 pcf. As shown in the graph below the density distribution is left-skewed, with a predominant peak in the 15 but less than 22.5 pcf interval. A single density break at 15 pcf addresses the spread and modality of the distribution.



When the data is evaluated based on the proposed density break at 15 pcf, the density ranges and averages shown in the table below emerge.

Density Groups (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 15	1.05 – 14.99	10.09
15 or greater	15.00 – 45.45	21.26

<sup>1</sup> The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

**SUBJECT 15**

**Handling, Stowability and Liability**—There have been no reports of unusual or significant handling, stowability or liability issues.

**Conclusion**

Based on the foregoing analysis, items 172260, 172280, 172300, 172320 and 172340 would be canceled with reference to a new item, naming “Safes or Vaults, or Parts thereof.” The new item would assign classes predicated on density, with a single break at 15 pcf<sup>2</sup>. The table below relates the information of record to the proposed density groupings and FCDC guidelines.

Density Groups (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class based on FCDC Density Guidelines
Less than 15	10.09	9	100
15 or greater	21.26	15	70

Additionally, the generic heading, item 172240, and Note, item 172282 would be canceled with no further application.

The minimum packaging requirements would ensure that freight is adequately protected and can be handled and stowed in a manner that is reasonably safe and practicable so as to withstand the normal rigors of the less-than-truckload environment.

<sup>2</sup> The density provisions would include reference to Item (Rule) 170, the inadvertence clause.

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**SUBJECT 16**

**Re:** Hammocks — Items 92350 and 178565

**Contact:** Adam C. Mercer Telephone — (703) 838-1911 mercer@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
	<b>FURNITURE GROUP:</b> subject to item 79000	
79300	<b>Furniture or Furniture Parts, viz.:</b> <b>Furniture or Furniture Parts, NOI;</b> [Other Articles Listed—Not Involved.] In boxes or crates, 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
79301	NOTE—Not Involved.	
79302	NOTE—Not Involved.	
79303	NOTE—Not Involved.	
79304	NOTE—Not Involved.	
79305	NOTE—Not Involved.	
92350	<b>Hammocks,</b> cotton cord or rope, with or without metal stand, stands completely disassembled, in boxes, see Note, item 92352.....	85
92352	NOTE—Stands may be in separate boxes.	
	<b>STANDS:</b> subject to item 178350	
178565	<b>Hammock,</b> steel, in packages:	
Sub 1	Couch or glider type, KD .....	85
Sub 2	Sling type, completely disassembled.....	60

SUBJECT 16

Proposed Classification Provisions

Item	Description	Class
	<b>FURNITURE GROUP:</b> subject to item 79000	
79300	<b>Furniture or Furniture Parts, viz.:</b> <b>Furniture or Furniture Parts, NOI;</b> <b>⇒Hammocks, NOI;</b> [Other Articles Listed—No Change.] In boxes or crates, 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
79301	NOTE—No Change.	
79302	NOTE—No Change.	
79303	NOTE—No Change.	
79304	NOTE—No Change.	
79305	NOTE—No Change.	
92350	<b>Hammocks</b> , cotton cord or rope, with or without metal stand, stands completely disassembled, etc .....	⇒Cancel; see item 79300
92352	NOTE—⇒Cancel; no further application.	
	<b>STANDS:</b> subject to item 178350	
178565	<b>Hammock</b> , steel, etc.....	⇒Cancel; see item 79300

Analysis and Conclusion

As a result of action taken on Docket 2023-1, Subject 1 (February 2023), numerous items naming specific types of furniture were canceled with reference to new item 79300. Afterwards, items 92350 and 178565 were identified as provisions that may pose interpretive issues with item 79300. This proposal would therefore cancel items 92350 and 178565 with reference to item 79300, applying on furniture or furniture parts, to foster clarification and simplification, and to alleviate potential interpretation problems.

Concurrently, this proposal would amend the “viz.” listing in item 79300 to name “Hammocks, NOI.”

Note, item 92352 would be cancelled as having no further application.

**SUBJECT 17**

**Re:** Item (Rule) 540 — Hazardous Materials

**Contact:** Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

**Proponent:** Freight Classification Development Council

**Proposed Classification Provisions**

**It is proposed to amend Item 540, Hazardous Materials, to read as follows:**

**ITEM 540****HAZARDOUS MATERIALS**

**Secs. 1-3.** No Change.

**Sec. 4. Empty Shipping Packages Containing Hazardous Material Residue:** Empty shipping packages containing the residue of hazardous material regulated by the U.S. Department of Transportation will be classified as the package itself only when: 1) neither the material name, identification number, hazard warning label(s) or placard(s), and any other markings indicating that the material is hazardous have been removed, obliterated or securely covered, nor the shipment meets the requirements of 49 CFR §172.303 for markings and 49 CFR §172.401 (d) for labels; and 2) they are excepted from the hazardous materials regulations, per 49 CFR §173.29. Otherwise, the package will be classified as the hazardous material contained therein.

**Sec. 5.** No Change

**Notes A-E—**No Change.

**Analysis and Conclusion**

Based on a review of Item 540, Sec. 4 by a Transportation Specialist at Pipeline and Hazardous Materials Safety Administration (PHMSA), the current provisions are not in line with the requirements set forth in Title 49 of the Code of Federal Regulations (49 CFR).

According to PHMSA, when dealing with residue contained in empty shipping packages, 49 CFR §173.29 states that the package must be treated as if it were full, and that includes hazardous materials shipping papers, labels, markings and placards. There are scenarios where labels and markings may be left on empty shipping packages without residue, which are in 49 CFR §172.303 for markings and 49 CFR §172.401 for labels.

Therefore, based on the information provided, this proposal would amend the requirements in Item 540, Sec. 4 to ensure compliance with the hazardous materials regulations in 49 CFR.

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**SUBJECT 18**

**Re:** Item (Rule) 245 — Definition of or Specifications for Crates

**Contact:** Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

**Proponent:** Classification Resource Committee

**Proposed Classification Provisions**

**It is proposed to amend Item 245, Definition of or Specifications for Crates, to read as follows:**

**ITEM 245\*****DEFINITION OF OR SPECIFICATIONS FOR CRATES**

**Crates** are six-sided containers constructed of wood or metal slats or structural members with apertures between, securely nailed, bolted, screwed, riveted or welded together, of sufficient design and strength to fully enclose and protect contents so as to withstand the normal rigors of the less-than-truckload environment. Article(s) must be secured within crates and no part shall protrude.

**Standard wood crates** must meet the following minimum specifications:

**Base:** Crates must have a lift truck skid, pallet or platform of sufficient design, size and strength to ensure article(s) cannot cause any failure of structural components. Deck boards must be sufficiently close to one another, or a wood structural panel (see Note 1) may be secured on top of deck boards to adequately protect article(s) from underside damage and to prevent article(s) from falling through the deck.

**Note 1**—Wood structural panels (plywood or oriented strand board) shall conform to DOC PS1, DOC PS2, ANSI/APA PRP 210, CSA O325 or CSA O437\*.

**Sides, Ends and Tops:** Crates must be constructed with an outer framework consisting of upright and horizontal members and with additional diagonal, upright and horizontal members where necessary to provide proper strength and rigidity.

Crate sides, ends and tops must be constructed with slats or members sufficiently close to one another to adequately protect article(s) on the sides, ends, tops and bottoms, but openings on sides, ends and tops must not exceed 25 inches in their greatest dimension, which may be the length, width, height or diagonal measurement of the opening. See Note 2.

Crates must be framed to provide sufficient strength and stability to support top-loaded freight of even load and weight distribution during transport, utilizing the available space above the crate, up to 96 inches, and having a density of at least 20 pounds per cubic foot. Horizontal structural members must be placed no more than 24 inches apart.

Where present, wood structural panel(s) must be secured to frame with fasteners appropriate to prevent failure during transport.

**Note 2**—Lumber must be seasoned, reasonably sound, and free from cross grain and knots which would interfere with nails, bolts or screws, or knots which are greater than  $\frac{1}{3}$  the width of the lumber.

**Fasteners:** Framework, corners and joints must be secured with nails, bolts or screws to ensure the fastened connections are stronger than the materials being joined.

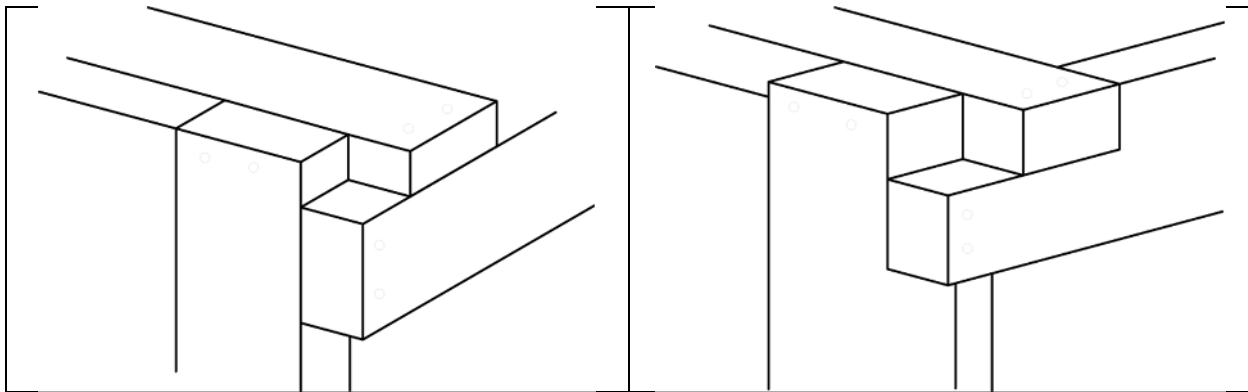
\*Published in Supplement 1 to NMF 100-AW, effective April 8, 2023.

## SUBJECT 18

## Proposed Classification Provisions — Continued

**Interior Requirements:** Article(s) must be secured to prevent movement during transport. Protective packing forms or other packaging materials must be used where necessary to afford adequate protection against damage to the article(s). Article(s) with legs must be suspended away from all edges of the crate by at least one inch.

**Three-Way Locking Corners:** Crates must be constructed with three-way locking corners, where members will be joined with nails, bolts or screws driven into side grain of joining members. Examples are shown below:



**\*References:** U.S. Department of Commerce (DOC); American National Standards Institute (ANSI); APA - The Engineered Wood Association (APA); CSA Group (CSA).

**Metal crates** must meet the following minimum specifications:

**Base:** Article(s) must be adequately secured to a metal base that will adequately protect contents from underside damage.

**Sides, Ends and Tops:** Crate sides, ends and tops must be constructed with slats or members sufficiently close to one another to adequately protect article(s) on the sides, ends, tops and bottoms, but openings on sides, ends and tops must not exceed 25 inches in their greatest dimension, which may be the length, width, height or diagonal measurement of the opening.

**Interior Requirements:** Articles(s) must be secured to prevent movement during transport. Protective packing forms or other packaging materials must be used where necessary to afford adequate protection against damage to the article(s).

**Wirebound crates** must meet the following minimum specifications:

**Base:** Wirebound crates must have a lift truck skid, pallet or platform of sufficient design, size and strength to ensure article(s) cannot cause any failure of structural components.

**Sides, Ends and Tops:** The framework must be reasonably sound and securely fastened together. The face boards that form the container must be of sufficient strength, solid or slatted, to support the contents based on weight, size and distribution environment.

## SUBJECT 18

### Proposed Classification Provisions — Concluded

**Binding Wires** should be wrapped around all six sides of the container at frequent intervals in order to increase the strength and rigidity of the container. The wires should be securely attached to the crate by staples and securely fastened with one of the following closure methods:

(a) Style 1—Wires are twisted together.

(b) Style 2—Wires are turned back to form loops that are hooked into each other and bent back.

(c) Style 2A—Wires are turned back to form loops that are hooked into each other and bent back, then twisted on itself.

(d) Style 3—Wires are turned back to form loops that are hooked into each other and bent back with wires across the ends in place of battens.

### Analysis and Conclusion

This proposal was docketed by the Classification Resource Committee (CRC) based on a recommendation from the CRC's Packaging Subcommittee.

Item 245 currently provides the definition of and construction requirements for crates. While there are construction specifications for wood crates and wirebound crates, there are no specifications for metal crates. In addition, the current provisions for wood crates and the lack of specification for metal crates has caused interpretation issues.

The FCDC is to establish and maintain packaging rules and specifications as necessary to ensure that freight is adequately protected and can be handled and stowed in a manner that is reasonably safe and practicable so as to withstand the normal rigors of the less-than-truckload environment. Therefore, as proposed, Item 245 would be updated to provide clearer construction requirements for standard wood crates, requirements for metal crates, and updated specifications for wirebound crates.

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**SUBJECT 19**

**Re:** Item (Rule) 680, Note 3 — Articles Tendered on Reels

**Contact:** Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

**Proponent:** Classification Resource Committee

**Present Classification Provisions****ITEM 680****PACKING OR PACKAGING—GENERAL****General**

**Sec. 1. (a)** Not Involved.

**Notes 1 and 2**—Not Involved.

**Note 3**—Unless otherwise provided, articles tendered on reels shall be deemed to be in compliance when the reel is filled to not less than 65 percent of capacity. When filled to less than 65 percent of capacity, the gross weight of the reel and its contents will be subject to the class applicable to either the reel or its contents, whichever is higher.

**Note 4**—Not Involved.

**Secs. 1. (b)-17.** Not Involved.

**Proposed Classification Provisions****ITEM 680****PACKING OR PACKAGING—GENERAL****General**

**Sec. 1. (a)** No Change.

**Notes 1 and 2**—No Change.

**Note 3**— $\Rightarrow$ Unless otherwise provided, reels used as shipping containers which are not filled equal to or greater than their weight with a product will be subject to the class applicable to the empty reel. Reels filled with a product equal to or greater than the weight of the reel will be subject to the class applicable to the product wrapped or wound thereon.

It is recommended that the shipper declare the following on the bill of lading and shipping papers at the time of shipment: (1) the tare or empty weight of each reel, spool or flanged core; and (2) the actual gross weight of each shipping container with product as tendered for shipment.

**Note 4**—No Change.

**Secs. 1. (b)-17.** No Change.

**SUBJECT 19****Analysis and Conclusion**

This proposal was docketed by the Classification Resource Committee (CRC) based on a recommendation from the CRC's Packaging Subcommittee.

Until 2021<sup>1</sup>, the determination of the occupancy of reels was based on the weight of the reel as compared to the weight of the product. In an effort to be consistent with provisions in Item 680, Note 2, Note 3 was changed to be based on the occupancy of the reel (65%), as shown in the Present Classification Provisions herein. However, the current provisions require the carrier to account for the width of the reel's core, which is not always accessible, causing interpretation questions to arise.

Therefore, this proposal would amend Item 680, Note 3 by providing requirements similar to the original language based on the weight of the empty reel and the weight of the product thereon. It would also provide a recommendation that the shipper declare the weight information of the reel and product at the time of tender on the bill of lading and shipping papers.

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<sup>1</sup> Docket 2021-2, Subject 12 (June 2021)

**SUBJECT 20**

**Re:** Articles that Can Protrude — Packaging

**Contact:** Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
	<b>INSULATION OR INSULATING MATERIAL GROUP:</b> subject to item 103000	
103300	<b>Insulation or Insulating Material, viz.:</b> <b>Barriers, Shields, Windows or Glass Window Lights or Blocks,</b> radiation shielding, with or without frames, see Note, item 103301; [Other Articles Named—Not Involved.] In packages, subject to Item 170 and having a density in pounds per cubic foot of: Subs 1-11 Not Involved.	
103301	NOTE—Shipments must have protruding parts adequately protected from possible damage, or such parts must be detached and separately boxed.	
	<b>MACHINERY GROUP:</b> subject to item 114000	
	<b>Cotton Ginning:</b> subject to item 118400	
118600	<b>Gin Brushes,</b> in boxes or crates, journals or shafts may protrude..	Not Involved
118700	<b>Gin Saw Cylinders (Gin Saws on Shafts),</b> in boxes or crates, journals or shafts may protrude.....	Not Involved
118720	<b>Gin Saws,</b> in boxes or crates, journals or shafts may protrude.....	Not Involved
132460	<b>Trowels,</b> power, concrete smoothing or finishing, NOI, in boxes or crates:	
Sub 1	With handles attached, see Note, item 132461 .....	Not Involved
Sub 2	With handles detached and packed in same package .....	Not Involved
Sub 3	With handles detached and packed in separate packages .....	Not Involved
132461	NOTE—Handles may protrude from boxes or crates.	
	<b>VEHICLES, OTHER THAN SELF-PROPELLED:</b> subject to item 188500	
188960	<b>Carts,</b> passenger, two-wheeled, horse drawn, NOI, in boxes or crates, see Notes, items 188964 and 188966:	
Sub 1	Height exceeding 34 inches .....	Not Involved
Sub 2	Height not exceeding 34 inches, see Note, item 188962.....	Not Involved
188962	NOTE—Also applies when chassis or frame is wrapped with wood excelsior or shredded paper pads securely tied with cord or pressure sensitized tape. Seat must be covered with fiberboard and shaft ends reinforced with a cross piece of wood. Wheels and other removable parts to be packed in boxes.	
188964	NOTE—When provision is made for vehicles in boxes or crates, poles or shafts when detached may be wrapped. Axles may protrude from boxes or crates.	
188966	NOTE—Not Involved.	

SUBJECT 20

Present Classification Provisions — Concluded

Item	Description	Class
	<b>VEHICLES, OTHER THAN SELF-PROPELLED:</b> subject to item 188500	
189360	<b>Passenger Vehicles</b> , horse drawn, NOI, see Notes, items 188964 and 188966, in boxes or crates:	
Sub 1	Height exceeding 54 inches .....	Not Involved
Sub 2	Height exceeding 34 inches but not exceeding 54 inches .....	Not Involved
Sub 3	Height not exceeding 34 inches .....	Not Involved
189500	<b>Sulkies</b> , passenger, <b>or Racehorse Training Carts:</b>	
Sub 1	SU or KD, in boxes or crates, see Note, item 188964 .....	Not Involved
Sub 2	KD, wrapped, see Note, item 188962:	
Sub 3	In bundles of two or more .....	Not Involved
Sub 4	Other than in bundles of two or more.....	Not Involved
Sub 5	KD flat, wrapped, see Note, item 188962:	
Sub 6	In bundles of two or more .....	Not Involved
Sub 7	Other than in bundles of two or more .....	Not Involved
189540	<b>Trailer Cars, Carts or Coaches</b> , passenger, house or sleeper, NOI, see Notes, items 188964 and 189542:	
Sub 1	SU, loose or in packages.....	Not Involved
Sub 2	KD, in boxes or crates, height of packages, see Note, item 188966:	
Sub 3	Exceeding 44 inches.....	Not Involved
Sub 4	Exceeding 34 inches but not exceeding 44 inches .....	Not Involved
Sub 5	Not exceeding 34 inches .....	Not Involved
189542	NOTE—Not Involved.	
	<b>VEHICLES, MOTOR:</b> subject to item 190100	
190120	<b>Automobiles</b> , see Notes, items 190126, 190128 and 190132:	
190126	NOTE—Not Involved.	
190128	NOTE—Not Involved.	
190132	NOTE—Axles may protrude from boxes or crates.	
190150	<b>Chassis</b> , SU, wheels on or off, see Note, item 190171 .....	Not Involved
190170	<b>Chassis</b> , KD, see Note, item 190171, in boxes or crates.....	Not Involved
190171	NOTE—Not Involved.	
190190	<b>Freight</b> , NOI, including <b>Tractors (Driving Trucks for Freight Vehicles or Fire Apparatus)</b> .....	Not Involved
190210	<b>Passenger</b> , NOI, including <b>Ambulances or Hearses</b> .....	Not Involved

SUBJECT 20

Proposed Classification Provisions

Item	Description	Class
	<b>INSULATION OR INSULATING MATERIAL GROUP:</b> subject to item 103000	
103300	<b>Insulation or Insulating Material, viz.:</b> ⇒ <b>Barriers, Shields, Windows or Glass Window Lights or Blocks</b> , radiation shielding, with or without frames; [Other Articles Named—No Change.] In packages, subject to Item 170 and having a density in pounds per cubic foot of: Subs 1-11 No Change.	
103301	NOTE—⇒ Cancel; no further application.	
	<b>MACHINERY GROUP:</b> subject to item 114000	
	<b>Cotton Ginning:</b> subject to item 118400	
118600	<b>Gin Brushes</b> , ⇒ in boxes or crates.....	No Change
118700	<b>Gin Saw Cylinders (Gin Saws on Shafts)</b> , ⇒ in boxes or crates, .....	No Change
118720	<b>Gin Saws</b> , ⇒ in boxes or crates .....	No Change
132460	<b>Trowels</b> , power, concrete smoothing or finishing, NOI, in boxes or crates: Sub 1 ⇒ With handles attached .....	No Change
	Sub 2 With handles detached and packed in same package .....	No Change
	Sub 3 With handles detached and packed in separate packages .....	No Change
132461	NOTE—⇒ Cancel; no further application.	
	<b>VEHICLES, OTHER THAN SELF-PROPELLED:</b> subject to item 188500	
188960	<b>Carts</b> , passenger, two-wheeled, horse drawn, NOI, ⇒ in boxes or crates, see ⇒ Note, item 188966: Sub 1 Height exceeding 34 inches .....	No Change
	Sub 2 ⇒ Height not exceeding 34 inches .....	No Change
188962	NOTE—⇒ Cancel; no further application.	
188964	NOTE—⇒ Cancel; no further application.	
188966	NOTE—No Change.	
189360	<b>Passenger Vehicles</b> , horse drawn, NOI, see ⇒ Note, item 188966, in boxes or crates: Sub 1 Height exceeding 54 inches .....	No Change
	Sub 2 Height exceeding 34 inches but not exceeding 54 inches .....	No Change
	Sub 3 Height not exceeding 34 inches .....	No Change
189500	<b>Sulkies</b> , passenger, <b>or Racehorse Training Carts:</b> Sub 1 SU or KD, ⇒ in boxes or crates .....	No Change
	Sub 2 KD, ⇒ wrapped: Sub 3 In bundles of two or more .....	No Change
	Sub 4 Other than in bundles of two or more.....	No Change
	Sub 5 KD flat, ⇒ wrapped: Sub 6 In bundles of two or more .....	No Change
	Sub 7 Other than in bundles of two or more .....	No Change

**SUBJECT 20**

**Proposed Classification Provisions — Concluded**

Item	Description	Class
	<b>VEHICLES, OTHER THAN SELF-PROPELLED:</b> subject to item 188500	
189540	<b>Trailer Cars, Carts or Coaches</b> , passenger, house or sleeper, NOI, see ⇨Note, item 189542:	
Sub 1	SU, ⇨in packages .....	No Change
Sub 2	KD, in boxes or crates, height of packages, see Note, item 188966:	
Sub 3	Exceeding 44 inches.....	No Change
Sub 4	Exceeding 34 inches but not exceeding 44 inches .....	No Change
Sub 5	Not exceeding 34 inches .....	No Change
189542	NOTE—No Change.	
	<b>VEHICLES, MOTOR:</b> subject to item 190100	
190120	<b>Automobiles</b> , see Notes, items ⇨190126 and 190128:	
190126	NOTE—No Change.	
190128	NOTE—No Change.	
190132	NOTE—⇨Cancel; no further application.	
190150	<b>Chassis</b> , SU, wheels on or off, see Note, item 190171 .....	No Change
190170	<b>Chassis</b> , KD, see Note, item 190171, in boxes or crates.....	No Change
190171	NOTE—Not Involved.	
190190	<b>Freight</b> , NOI, including <b>Tractors (Driving Trucks for Freight Vehicles or Fire Apparatus)</b> .....	No Change
190210	<b>Passenger</b> , NOI, including <b>Ambulances or Hearses</b> .....	No Change

**Analysis and Conclusion**

As shown in the Present Classification Provisions, herein, various articles are permitted to be shipped protruding out of boxes or crates, or in packaging that would not adequately protect the products in today's less-than-truckload environment.

Therefore, this proposal would cancel Notes, items 103301, 132461, 188962, 188964 and 190132 as having no further application. Furthermore, the reference to "loose" would be removed from sub 1 of item 189540.

**SUBJECT 21**

**Re:** Packaging Notes — Various Items

**Contact:** Larissa A. Franklin Telephone — (703) 838-1824 franklin@nmfta.org

**Proponent:** Freight Classification Development Council

**Proposed Classification Provisions**

**It is proposed to replace the current verbiage in the Notes listed below with the following:**

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 protected by packing forms or other packaging materials so as to withstand the normal rigors of the less-than-truckload environment.

13451	39524	158908
18417	68006	159011
34292	70683	160421
36266	89796	161132
36651	104033	177011
36823	156305	178162

**Analysis and Conclusion**

Each of the Notes listed above contain similar language, which state, in part, "Exposed surfaces and edges must be completely wrapped with plastic film or corrugated fiberboard or protected by wood or similar material." However, due to numerous claims issues on various products when only wrapped in plastic film, this proposal would amend the Notes to require the products to be "...protected by packing forms or other packaging materials so as to withstand the normal rigors of the less-than-truckload environment." These changes would ensure the products are better protected to mitigate the chance of damage.

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**Subject 22**

**Re:** Paper or Paperboard, synthetic fiber — Item 154555

**Contact:** Amber V. Parker Telephone — (703) 838-1810 parker@nmfta.org

**Proponent:** Freight Classification Development Council

**Present Classification Provisions**

Item	Description	Class
154555	<b>Paper or Paperboard</b> , synthetic fiber, in wrapped packages .....85 <b>PLASTIC OR RUBBER ARTICLES GROUP:</b> subject to item 156500	
156600	<b>Articles</b> , see Note, item 156601, <b>viz.:</b> <b>Articles</b> , NOI; [Other Articles Listed—Not Involved.] In boxes, crates, drums or Packages 1078, 1241, 1273 or 2213, see Note, item 156602, 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
156601	NOTE—Not Involved.	
156602	NOTE—Not Involved.	
156603	NOTE—Not Involved.	
156604	NOTE—Not Involved.	

**Proposed Classification Provisions**

154555	<b>Paper or Paperboard</b> , synthetic fiber, etc.....	⇒Cancel; see item 156600
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Subject 22

Proposed Classification Provisions — Concluded

**PLASTIC OR RUBBER ARTICLES GROUP:** subject to item 156500

156600 **Articles**, see Note, item 156601, **viz.:**

**Articles**, NOI;

[Other Articles Listed—No Change.]

In boxes, crates, drums or Packages 1078, 1241, 1273 or 2213,  
see Note, item 156602, 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

156601 NOTE—No Change.

156602 NOTE—No Change.

156603 NOTE—No Change.

156604 NOTE—No Change.

**Analysis and Conclusion**

As a result of action taken on Docket 2023-2, Subject 3 (June 2023), numerous items naming specific types of paper were canceled with reference to new item 150550. Afterwards, item 154555 was identified. Although synthetic fiber is a type of plastic, the term “paper or paperboard” could lead to interpretive issues. As such, this proposal would cancel item 154555 with reference to item 156600, applying on plastic articles, NOI, to foster clarification and simplification, and to alleviate potential interpretation problems.

NOTICE OF CHANGES TO THE CLASSIFICATION MADE NECESSARY BY LAW,  
BY ORDER OF A REGULATORY BODY, OR  
FOR CLARIFICATION, SIMPLIFICATION OR UNIFORMITY

A. Updating References to Canceled Items

**HARDWARE GROUP:** subject to item 92900

96760 **Skids**, iron or steel, NOI, see Note, item 96761

⇒96761 NOTE—Does not apply on steel 'Pallets; Platforms; Skids or Shipping Racks, NOI;' as named in item 150400.

**LUMBER GROUP:** subject to item 112000

112870 **Lumber**, NOI; **or Wood**, built-up or combined, **or Plywood**, NOI; see Notes, items 112871 and 112872, in packages, subject to Item 170 and having a density in pounds per cubic foot of:

Subs 1-3 No Change.

112871 NOTE—No Change.

⇒112872 NOTE—Does not apply on wood 'Pallets; Platforms; Skids or Shipping Racks, NOI;' as named in item 150400.

**WOODENWARE OR WOODEN ARTICLES GROUP:** subject to item 198340

199550 **Skids**, NOI, see Note, item 199551

⇒199551 NOTE—Does not apply on wood 'Pallets; Platforms; Skids or Shipping Racks, NOI;' as named in item 150400.

**Comment:** Item references are being updated or removed as shown herein.

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# NOTES