



National Motor Freight Classification®

Supplement 1 to NMF 100-AS

(Supplement 1 contains all changes)

Issued: March 28, 2019

Effective: April 27, 2019

(Except as otherwise provided herein)

Expires: March 7, 2020

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PARTICIPATING BROKER LICENSEES

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

SCAC	BROKER NAME and DOMICILE	U.S. DOT Number	MC or FF Number
⊕★FGDC	Freightedge LLC, Cincinnati, OH	2974829	10863
⊕★WLLG	We LTL LLC, Kalamazoo, MI	3221240	1008156

CUMULATIVE LIST OF ITEMS AND NUMBERED PACKAGES IN SUPPLEMENTS

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

ITEM	SUP	ITEM	SUP	ITEM	SUP	ITEM	SUP	ITEM	SUP	ITEM	SUP
183-A	1	★35001	1	44420-A	1	47650-A	1	79554-A	1	155251-A	1
245-A	1	★35002	1	44425-A	1	★47651	1	101720-A	1	★155252	1
265-A	1	35350-A	1	44430-A	1	49390-A	1	★101721	1	155255-A	1
300-A	1	42600-A	1	44440-A	1	49391-A	1	111230-A	1	155440-A	1
540-A	1	42603-A	1	44450-A	1	★49392	1	111231-A	1	156240-A	1
595-A	1	42604-A	1	44470-A	1	50475-A	1	★111232	1	★156241	1
4620-A	1	42610-A	1	★44480	1	★50476	1	★111233	1	156600-A	1
★4621	1	42640-A	1	★44500	1	51035-A	1	111450-A	1	156602-A	1
4622-A	1	42645-A	1	★44501	1	51036-A	1	★111451	1	156603-A	1
4623-A	1	42650-A	1	44510-A	1	59020-A	1	128000-A	1	156604-A	1
15220-A	1	42660-A	1	44540-A	1	59070-A	1	136740-A	1	156770-A	1
★15221	1	★42661	1	44560-A	1	59420-A	1	136742-A	1	156771-A	1
15380-A	1	42670-A	1	44840-A	1	★59421	1	★136750	1	162190-A	1
15382-A	1	42680-A	1	44850-A	1	59422-A	1	136760-A	1	162470-A	1
15420-A	1	42690-A	1	44853-A	1	59424-A	1	136762-A	1	162680-A	1
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18266-A	1	42702-A	1	45970-A	1	72730-A	1	144760-A	1	★186640	1
18267-A	1	42703-A	1	45972-A	1	72910-A	1	144840-A	1	★186641	1
18268-A	1	42704-A	1	45974-A	1	★72911	1	145210-A	1	187470-A	1
18405-A	1	42710-A	1	45976-A	1	72912-A	1	145250-A	1	★187471	1
18407-A	1	42720-A	1	45980-A	1	72914-A	1	145260-A	1	195520-A	1
18410-A	1	43160-A	1	45990-A	1	72916-A	1	145330-A	1	196180-A	1
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Acetate(s):		ⓑ Isobutyl	42690	ⓑ Butyl Acrylate	42650
ⓑ Amyl	43160	ⓑ Isooctyl, other than perfumery grade	42690	ⓑ Butyl Alcohol	42690
ⓑ Butyl	43570	ⓑ Isopropanol	42690	ⓑ Butyraldehyde	43600
ⓑ Isobutyl	44840	ⓑ Methallyl	42680	ⓑ Butyric Ether	44420
ⓑ Isopropyl	44860	ⓑ Methyl, solidified, other than toxic	42710	C	
ⓑ Methyl	45250	ⓐ NOI, other than alcoholic liquors and not required by DOT to bear a Hazard Class or Hazard Division label	42660	ⓑ Caulking Compounds, NOI, other than foam, cellular or expanded plastic or rubber	149610
ⓑ Propyl	45980	ⓑ NOI, other than alcoholic liquors and other than toxic	42670	ⓐ Caulking Compounds, NOI, other than foam, cellular or expanded plastic or rubber and not required by DOT to bear a Hazard Class or Hazard Division label	149610
ⓑ Vinyl	47230	ⓑ Octyl, other than perfumery grade	42690	Cement(s):	
ⓑ Acetone, NOI	42640	ⓑ Propargyl, other than toxic	42690	ⓐ Adhesive, NOI, not required by DOT to bear a Hazard Class or Hazard Division label	4620
ⓑ Acetonitrile	42645	ⓑ Propyl	42690	ⓑ Adhesive, NOI, other than toxic	4620
Acid(s):		ⓑ Tetrahydrofurfuryl	42690	ⓑ Chlorobenzene	46830
ⓑ Fatty, petroleum	155250	ⓑ Tridecyl, other than perfumery grade	42690	ⓑ Chlorobenzol	46830
ⓐ Fatty, petroleum, not required by DOT to bear a Hazard Class or Hazard Division label	155250	ⓑ Undecyl, other than perfumery grade	42690	ⓑ Chloropentanes	43970
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ⓑ Naphthenic	155250	ⓑ Hydroxy, waste, containing not less than 40% water	196180	Coating(s):	
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ⓑ Fuel oil, gasoline or lubricating oil	155150, 155250	ⓑ Amyl Acetate	43160	ⓐ Roofing, having asphalt, pitch, rosin or tar base, other than paint, stain or varnish and not required by DOT to bear a Hazard Class or Hazard Division label	170080
ⓐ Fuel oil, gasoline or lubricating oil, other than combustible in bulk containers and other than flammable	155150	ⓑ Amyl Alcohol	42690	Color(s):	
ⓑ Paint preserving	149980	ⓑ Antifreeze Alcohol	42690	ⓐ Coal tar, other than indigo and not required by DOT to bear a Hazard Class or Hazard Division label	44380
ⓐ Paint preserving, not required by DOT to bear a Hazard Class or Hazard Division label	149980	ⓑ Antifreeze (Proprietary Antifreeze Preparations)	45970	ⓑ Coal tar, other than indigo and other than toxic or corrosive	44380
ⓑ Adhesive Increasing, Reducing, Removing, Thickening or Thinning Compounds	149980	ⓑ Asphalt (Asphaltum), natural, by-product or petroleum, liquid, other than paint, stain or varnish	15220	ⓑ Mortar	149980
ⓐ Adhesive Increasing, Reducing, Removing, Thickening or Thinning Compounds, not required by DOT to bear a Hazard Class or Hazard Division label	149980	ⓐ Asphalt (Asphaltum), natural, by-product or petroleum, liquid, other than paint, stain or varnish and not required by DOT to bear a Hazard Class or Hazard Division label	15220	ⓐ Mortar, not required by DOT to bear a Hazard Class or Hazard Division label	149980
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		Ⓑ Heat transfer, NOI	45970	Ⓐ NOI, petroleum, not required by DOT to bear a Hazard Class or Hazard Division label	58770, 155250
		Meters:		Ⓑ Paint	145210
		Ⓐ Electric	136750	Ⓐ Paint, not required by DOT to bear a Hazard Class or Hazard Division label	149980
		Ⓑ Electric, NOI	136740	Ⓑ Petroleum	155250
		Ⓑ Electric, watt-hour, used	136760	Ⓑ Pine	145250
		Ⓑ Methallyl Alcohol	42680	Ⓑ Pine tar	145260
		Ⓑ Methanol, solidified, other than toxic	42710	Ⓑ Rosin	145330
		Ⓑ Methyl Acetate	45250	Ⓑ Transformer	155250
		Ⓑ Methyl Acrylate	42650	Ⓐ Transformer, not required by DOT to bear a Hazard Class or Hazard Division label	155250

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Article	Item	Article	Item	Article	Item
Ⓐ Paint Increasing, Reducing, Removing, Thickening or Thinning Compounds, not required by DOT to bear a Hazard Class or Hazard Division label.....	149980	Ⓐ Plastic, liquid, NOI, not required by DOT to bear a Hazard Class or Hazard Division label.....	156240	Ⓐ Resin Increasing, Reducing, Removing, Thickening or Thinning Compounds, not required by DOT to bear a Hazard Class or Hazard Division label.....	149980
Ⓐ Paint Oils, not required by DOT to bear a Hazard Class or Hazard Division label.....	149980	Plasticizer(s):		Resin(s):	
Paint(s):		Ⓑ Ink.....	101720	Ⓑ Coal tar.....	46030
Ⓑ NOI.....	149980	Ⓐ Ink, not required by DOT to bear a Hazard Class or Hazard Division label.....	101720	Ⓐ Coal tar, not required by DOT to bear a Hazard Class or Hazard Division label.....	46030
Ⓐ NOI, not required by DOT to bear a Hazard Class or Hazard Division label.....	149980	Ⓑ Paint, lacquer, varnish, gum, resin or plastic.....	149980	Ⓑ Petroleum.....	46030
Ⓑ Paraffin, chlorinated.....	155250	Ⓐ Paint, lacquer, varnish, gum, resin or plastic, not required by DOT to bear a Hazard Class or Hazard Division label.....	149980	Ⓐ Petroleum, not required by DOT to bear a Hazard Class or Hazard Division label.....	46030
Ⓑ Paraffin Wax.....	155250	Plates:		S	
Ⓐ Paraffin Wax, not required by DOT to bear a Hazard Class or Hazard Division label.....	155250	Ⓑ Engravers', steel and chalk composition combined.....	162190	Ⓐ Shakes, nutritional, flavored, NOI.....	72170
Ⓑ Paraldehyde.....	45470	Poles:		Ⓑ Shellacs.....	149980
Parts:		Ⓐ Fishing.....	16280	Ⓐ Shellacs, not required by DOT to bear a Hazard Class or Hazard Division label.....	149980
Ⓑ Electric meter, NOI.....	136740	Ⓑ Polyethylbenzene.....	44470	Shutters:	
Ⓑ Power pump, NOI.....	128000	Ⓑ Polyethylbenzene.....	44470	Ⓑ Exterior, plastic.....	35343
Ⓑ Tool, electric.....	186590	Preparations:		Ⓐ Exterior, plastic, NOI.....	35350
Ⓑ Tool, hydraulic.....	186590	Ⓑ Antifreeze, proprietary.....	45970	Ⓐ Exterior, rolling, wooden.....	34500
Ⓑ Tool, internal combustion engine operated.....	186590	Ⓑ De-icing, proprietary.....	45970	Ⓐ Exterior, vertical rolling, plastic.....	35343
Ⓑ Tool, pneumatic.....	186590	Ⓑ Engine coolant, proprietary.....	45970	Ⓐ Interior.....	174200
Paste(s):		Ⓑ Petroleum petrolatum.....	58770, 155250	Ⓑ Interior, wood.....	174200
Ⓐ Adhesive, NOI, not required by DOT to bear a Hazard Class or Hazard Division label.....	4620	Ⓐ Petroleum petrolatum, not required by DOT to bear a Hazard Class or Hazard Division label.....	58770, 155250	Ⓑ Plastic.....	35350
Ⓑ Adhesive, NOI, other than toxic.....	4620	Ⓑ Toilet, NOI.....	59420	Ⓑ Rolling, wooden.....	34500
Ⓑ Pentane.....	155250	Ⓐ Toilet, NOI, not required by DOT to bear a Hazard Class or Hazard Division label.....	59420	Solution(s):	
Ⓑ Perfume or Perfumery.....	59070	Preservative(s):		Ⓑ Chlorinated phenol petroleum.....	47650
Ⓐ Perfume or Perfumery, not required by DOT to bear a Hazard Class or Hazard Division label.....	59070	Ⓑ Wood, liquid, containing up to 5 percent chlorinated phenol.....	47650	Ⓐ Chlorinated phenol petroleum, not exceeding 5% chlorinated phenol by weight and not required by DOT to bear a Hazard Class or Hazard Division label.....	47650
Ⓑ Petrol.....	155250	Ⓐ Wood, liquid, containing up to 5% chlorinated phenol by weight and not required by DOT to bear a Hazard Class or Hazard Division label.....	47650	Ⓑ Creosote oil.....	144840
Ⓑ Petrolatum or Petroleum Petrolatum Preparations.....	58770, 155250	Ⓑ Wood, liquid, containing up to 5 percent tributyltin compound.....	187470	Ⓑ Tributyltin compound petroleum.....	187470
Ⓐ Petrolatum or Petroleum Petrolatum Preparations, not required by DOT to bear a Hazard Class or Hazard Division label.....	58770, 155250	Ⓐ Wood, liquid, containing up to 5% tributyltin compound by weight and not required by DOT to bear a Hazard Class or Hazard Division label.....	187470	Ⓐ Tributyltin compound petroleum, not exceeding 5% tributyltin compound by weight and not required by DOT to bear a Hazard Class or Hazard Division label.....	187470
Ⓑ Petroleum Jelly.....	58770, 155250	Products:		Ⓑ Windshield washer cleaning or antifreeze.....	50475
Ⓐ Petroleum Jelly, not required by DOT to bear a Hazard Class or Hazard Division label.....	58770, 155250	Ⓑ Petroleum, NOI.....	155250	Ⓐ Windshield washer cleaning or antifreeze, not required by DOT to bear a Hazard Class or Hazard Division label.....	50475
Ⓑ Petroleum Oils, Greases and Related Products - specific listing.....	155250	Ⓐ Petroleum, NOI, not required by DOT to bear a Hazard Class or Hazard Division label.....	155250	Solvent(s):	
Ⓑ Petroleum Products, NOI.....	155250	Ⓑ Propargyl Alcohol, other than toxic.....	42690	Ⓑ Denatured alcohol.....	42690
Ⓐ Petroleum Products, NOI, not required by DOT to bear a Hazard Class or Hazard Division label.....	155250	Ⓑ Propyl Acetate.....	45980	Ⓑ Ink.....	101720
Ⓑ Pigments, NOI.....	149980	Ⓑ Propyl Alcohol.....	42690	Ⓐ Ink, not required by DOT to bear a Hazard Class or Hazard Division label.....	101720
Ⓐ Pigments, NOI, not required by DOT to bear a Hazard Class or Hazard Division label.....	149980	Ⓑ Propyl Aldehyde.....	45990	Ⓑ Isopropyl alcohol.....	42690
Ⓑ Pinene.....	150220	Ⓑ Propylene Oxide.....	46010	Ⓑ Methanol, NOI.....	42690
Ⓑ Plastic:		Pumps:		Ⓑ Paint, lacquer, varnish, gum, resin, plastic, rubber or adhesive.....	149980
Ⓑ Expanded, ground or shredded.....	157320	Ⓒ Fuel storage tank, submersible.....	127650	Ⓐ Paint, lacquer, varnish, gum, resin, plastic, rubber or adhesive, not required by DOT to bear a Hazard Class or Hazard Division label.....	149980
Ⓑ Liquid, NOI.....	156240	Ⓑ Pyridine.....	46020	Ⓑ Spirit, motor.....	155250
Ⓐ Plastic, expanded; ground or shredded.....	157320	R		Ⓑ Stains, NOI.....	149980
Ⓑ Plastic Increasing, Reducing, Removing, Thickening or Thinning Compounds.....	149980	Ⓑ Rags, NOI, waste.....	195520	Ⓐ Stains, NOI, not required by DOT to bear a Hazard Class or Hazard Division label.....	149980
Ⓐ Plastic Increasing, Reducing, Removing, Thickening or Thinning Compounds, not required by DOT to bear a Hazard Class or Hazard Division label.....	149980	Residuum:			
		Ⓑ Pentaerythritol, manufacture of.....	196180		
		Ⓑ Resin Increasing, Reducing, Removing, Thickening or Thinning Compounds.....	149980		

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Article	Item	Article	Item	Article	Item
Sugar(s):		ⓑ Toluene (toluol)	47190	V	
Ⓐ <i>Hydroxy, waste, containing not less than 40% water and not required by DOT to bear a Hazard Class or Hazard Division label</i>	196180	ⓑ Toluene, vinyl	47240	ⓑ Varnish Increasing, Reducing, Removing, Thickening or Thinning Compounds	149980
ⓑ <i>Waste hydroxy</i>	196180	ⓑ Toluol, petroleum	155440	Ⓐ Varnish Increasing, Reducing, Removing, Thickening or Thinning Compounds, not required by DOT to bear a Hazard Class or Hazard Division label	149980
ⓑ Sulfuric Ether, anesthesia ether	44430	ⓑ Toluol (toluene)	47190	ⓑ Varnishes, ink	101720
ⓑ Sulfuric Ether, other than anesthesia ether	44440	Tools:		Ⓐ Varnishes, ink, not required by DOT to bear a Hazard Class or Hazard Division label	101720
Supplements:		ⓑ <i>Electric, hydraulic, pneumatic or internal combustion engine operated, NOI, hand held or hand supported</i>	186590	ⓑ Varnishes, NOI	149980
ⓑ <i>Food, liquid, flavored, other than milk food or milk substitute</i>	73185	Ⓐ <i>Power, NOI, handheld or hand supported</i>	186640	Ⓐ Varnishes, NOI, not required by DOT to bear a Hazard Class or Hazard Division label	149980
T		ⓑ Trichloropentanes	43970	ⓑ Vinyl Acetate	47230
Ⓐ Tableware, NOI, plastic or rubber, other than expanded	156600	ⓑ Tridecyl Alcohol, other than perfumery grade	42690	ⓑ Vinyl Toluene, inhibited, liquid	47240
Tar(s):		ⓑ Trimethylamine, aqueous	43270	W	
ⓑ <i>Coal</i>	15380	Trucks:		Wax:	
Ⓐ <i>Coal, not required by DOT to bear a Hazard Class or Hazard Division label</i>	15380	ⓑ <i>Form metal, printers'</i>	162680	ⓑ <i>Paraffin or petroleum</i>	155250
ⓑ <i>NOI</i>	15420	ⓑ <i>Waste metal, printers'</i>	162680	Ⓐ <i>Paraffin or petroleum, not required by DOT to bear a Hazard Class or Hazard Division label</i>	155250
Ⓐ <i>NOI, not required by DOT to bear a Hazard Class or Hazard Division label</i>	15420	ⓑ Tumblers:		X	
ⓑ <i>Petroleum</i>	15380	ⓑ <i>Jelly, glass</i>	88300	ⓑ Xylene	47260
Ⓐ <i>Petroleum, not required by DOT to bear a Hazard Class or Hazard Division label</i>	15380	ⓑ <i>Plastic or rubber, NOI</i>	156600	ⓑ Xylol, NOI	47260
ⓑ Tetrachloropentanes	43970	ⓑ <i>Steam, commercial or institutional laundry</i>	124265		
ⓑ Tetrahydrofurfuryl Alcohol	42690	Ⓐ Tumblers, jelly, glass	88300		
ⓑ Toilet Preparations, NOI	59420	Ⓐ Tumblers, steam, commercial or institutional laundry	124265		
Ⓐ Toilet Preparations, NOI, not required by DOT to bear a Hazard Class or Hazard Division label	59420	ⓑ Turpentine, NOI, including Pinene or Wood Turpentine	150220		
ⓑ Toluene, petroleum	155440	U			
		ⓑ Undecyl Alcohol, other than perfumery grade	42690		

RULES

ITEM 183-A

CCSB-REGISTERED THIRD PARTY PACKAGE TESTING LABORATORIES

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

Laboratory	Location	Contact	Phone Number
Advanced Packaging Technology Laboratories, Inc.	Wheeling, IL	Anthony White	847.520.4343
ANAMA Package & Container Testing Services, Inc.	Mamaroneck, NY	Anton Cotaj	914.899.3300
★Bureau Veritas Shenzhen Company Limited	Guangdong, China	Wingo Chee	86.755.86000151
China Packaging Research & Test Center	Tianjin, China	Wang Qing	86.22.66237185
FedEx Services Packaging Lab	Collierville, TN	Tyler Kenney	901.850.3597
gh Package & Product Testing and Consulting, Inc.	Fairfield, OH	Timothy Glasmeier	513.870.0080
★Multi-Wall Packaging	Danville, VA	Rob Reynolds	434.836.7802
Packaging Corporation of America	Mundelein, IL	Brandon Hink	847.388.6034
Performance Testing Laboratories, LLC	Santa Ana, CA	Mary Beth Proctor	714.957.9300
Pro-Pack Testing Laboratory, Inc.	Belleville, IL	Manuel Rosa, Jr.	618.277.1160
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch	Guangdong Province, China	Jack Yao	86.757.22805851
TEN-E Packaging Services, Inc.	Newport, MN	Larry Anderson	651.459.0671
TEN-E Packaging Services, Inc.	High Point, NC	Brent Weber	336.803.4878
UPS Customer Solutions - Package Design and Test Lab	Addison, IL	Jason Twu	630.628.3703
Virginia Tech - Center for Packaging and Unit Load Design	Blacksburg, VA	Laszlo Horvath	540.231.7673
WestRock	Carol Stream, IL	James Rivera	630.384.5237

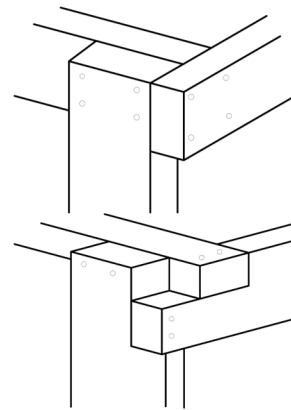
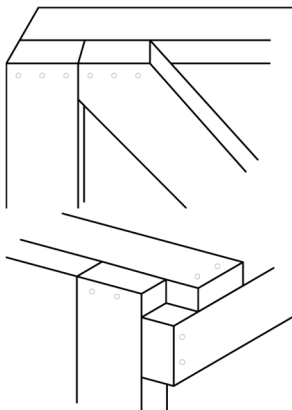
ITEM 245-A

DEFINITION OF OR SPECIFICATIONS FOR CRATES

Crates are containers constructed of □ wood or metal slats or structural members with apertures between, securely nailed, bolted, screwed, riveted, welded, glued, dovetailed, or wired and stapled together, having sufficient strength to hold □ contents so as to □ withstand the normal rigors of the less-than-truckload environment. Crates must be constructed □ with slats or members sufficiently close to one another to adequately protect contents on the sides, ends, tops and bottoms, and in such manner that the crate containing its contents may be taken into or out of the vehicle. Contents must be securely held within crates and no part shall protrude, unless otherwise provided in individual items. Surfaces liable to be damaged must be fully covered and protected. All moveable contents within the crate must be blocked and/or braced to prevent any shifting during transportation. Commodities with legs must be suspended away from all edges of the crate by at least one inch. If the weight of the commodity exceeds 500 pounds, a standard crate must be used instead of a wirebound crate.

Wooden crates, other than wirebound crates, must be constructed as follows:

- (1) Lumber must be seasoned, reasonably sound, and free from cross grain and knots which would interfere with nailing or stapling, or knots which are greater than $\frac{1}{3}$ the width of the lumber.
- (2) Crates must be constructed with outer framework consisting of upright and horizontal members and with additional diagonal upright and horizontal members where necessary to provide proper strength and rigidity.
- (3) Crates must be constructed with three-way locking corners, where members will be joined with nails or □ other fasteners driven into side grain of joining members. Examples are shown below:



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RULES

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- (4) All joining crate members must be fastened by double nailing or stapling.
 - (5) Crates must be designed and constructed with transverse cross-members at base sufficient in strength to protect underside of article from damage by mechanical handling equipment.
 - (6) Structural panels, including plywood, oriented strand board (OSB), and waferboard, must be manufactured with exterior glue.
- Wirebound crates** must be constructed as follows:
- (1) The framework must be reasonably sound and securely fastened together.
 - (2) 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.
 - (3) 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.

ITEM 265-A

DEFINITION OF OR SPECIFICATIONS FOR LIFT TRUCK SKIDS, PALLETS OR PLATFORMS

Sec. 1. Definition—Lift truck skids, pallets or platforms are portable platforms, generally having rectangular or square dimensions. Top decks (surfaces) provide a flat load-bearing area and may be of solid, slatted, intersticed, ribbed or open framework construction. Top decks are attached to and supported by multiple stringers (runners) or blocks (posts) sufficient to support the load. Lift truck skids, pallets or platforms may or may not have bodies, enclosures, standards, stacking posts or bottom decks, but do not have wheels or casters. Construction may be of solid or composite wood, fiberboard, metal, plastic or any combination thereof. Design material and construction are dependent on load type, planned use, and whether expendable or reusable.

Sec. 2. Requirements—Lift truck skids, pallets or platforms must be of sufficient design, size and strength to support a double-tiered load of equal weight and distribution, and to prevent underside damage to article(s) caused by forklift handling equipment. ☐ Two or more lift truck skids, pallets or platforms must not be used in combination to create or in lieu of a single, appropriately sized platform. See also Item 680, Sec. 7(b).

ITEM 300-A

ADVANCING CHARGES

▲Cancel; no further application.

ITEM 540-A

HAZARDOUS MATERIALS

(see Notes A and C)

Sec. 1. Compliance with Department of Transportation (DOT) Descriptions and Packaging Requirements:

Sec. 1(a). Articles subject to the DOT's hazardous materials regulations must be described on bills of lading and shipping orders as shown in those regulations. Abbreviations must not be used, ▲except as authorized in 49 CFR §172.202. When the DOT's hazardous materials regulations description differs from the Classification description, the Classification description must also be shown on bills of lading and shipping orders.

Sec. 1(b). The packaging of hazardous materials must comply with the Classification packaging requirements (unless otherwise noted) and are also governed by the rules and regulations as prescribed by the DOT's hazardous materials regulations. When individual items in the Classification authorize use of a container and further require specific container information markings or container manufacturer certificates, with the exception of fiberboard boxes as specified within Item 222, the DOT-adopted UN container markings will supersede Classification packaging requirements.

Sec. 2. Transportation of Explosives and Dangerous or Hazardous Articles or Materials: Unless otherwise provided, carriers may accept shipments of explosives, hazardous wastes, hazardous substances or radioactive articles or materials, including radioactive waste, for transportation in accordance with the transportation regulations of the U.S. Department of Transportation (DOT), Environmental Protection Agency (EPA) and the U.S. Nuclear Regulatory Commission (NRC), subject to the following provisions:

Sec. 2(a). Hazardous wastes or hazardous substances for disposal, subject to the provisions of Title 49 CFR Parts 171.3 and 172.205; or radioactive waste; will be subject to the following requirements:

(1) A notice of 48 hours must be given by the shipper to the carrier before tender of shipment, providing the necessary shipment information, including the name of shipper, origin, consignee and destination.

(2) The carrier will determine before acceptance of the shipment if consignee will accept the shipment when tendered for delivery. Only upon advice from consignee that the shipment will be accepted, may carrier accept shipment at the origin point. If consignee advises that shipment will not be accepted, the destination carrier will attempt to determine if and when it would be accepted at destination and advise shipper or connecting carrier where joint line service is involved.

Any charges assessed for service performed under paragraph (2) of Sec. 2(a) will be as provided in carrier tariffs.

(3) Shipments must be prepaid except when shipped by the U.S. Government on Government bills of lading.

(4) Shipments which are delayed in transit directly or indirectly due to restrictions imposed by the shipper or consignee or which, because of the nature of such shipments, are delayed in transit by regulations imposed by any state, federal or other governmental agency will be subject to delay-in-transit charges as provided in carriers' tariffs. Such charges begin at time shipment is delayed and continue until such time as transportation can be resumed or shipment delivered to consignee. Payment of charges assessed under this provision will be the responsibility of the party remitting the line-haul charges.

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ITEM 540-A-Continued

(5) When charges are assessed under circumstances described in paragraph (4) above, the carrier shall maintain a record of all shipment delays, including arrival and departure times at locations where delays occur, and the name of the party or regulatory agency authorizing or necessitating such delays.

(6) Except as provided in Note B or as authorized by the DOT in 49 CFR 173.28, hazardous waste is to be packaged in new or reconditioned DOT specification containers.

Sec. 2(b). Where required by federal, state or local regulations, carrier will prepare route plans which set forth the authorized or designated route to be utilized in transporting shipments of hazardous materials, wastes or substances, or radioactive articles or materials, including radioactive waste, from the initial origin to destination. The authorized or designated route should be the shortest available route over the highways approved by the appropriate federal, state or local agency for the transportation of hazardous materials including radioactive articles or materials. Where provided in applicable tariffs, carriers may assess separate charges for circuitous mileage when the authorized or designated route of movement exceeds the mileage over the carrier's normal or established route of movement from origin to destination.

Sec. 2(c). When ▲carriers are required by federal, state or local regulations or statutes to pay fees to acquire permits to transport hazardous materials, wastes or substances, or radioactive articles or materials, the cost of acquiring such permits, including administrative or service charges where provided in carrier tariffs, will be paid by the party remitting the line-haul charges. Upon request, evidence of payment of the costs of acquiring permits shall be furnished.

Sec. 2(d). Unless exclusive use of carrier's equipment is ordered, carriers shall have full access to the equipment it uses in transporting hazardous shipments. Where exclusive use of equipment is ordered, such service will be charged for in accordance with applicable carrier tariffs.

Sec. 3. Classification of Materials Having More Than One Hazard: Hazardous materials classes and index to hazard class definitions. (See Notes D and E.)

Hazard Class No.	Division No. (if any)	Name of class or division	49 CFR reference for definitions
None	—	Forbidden materials	173.21
None	—	Forbidden explosives	173.54
1	1.1	Explosives (with a mass explosion hazard)	173.50
1	1.2	Explosives (with a projection hazard)	173.50
1	1.3	Explosives (with predominantly a fire hazard)	173.50
1	1.4	Explosives (with no significant blast hazard)	173.50
1	1.5	Very insensitive explosives; blasting agents	173.50
1	1.6	Extremely insensitive detonating substances	173.50
2	2.1	Flammable gas	173.115
2	2.2	Non-flammable compressed gas	173.115
2	2.3	Poisonous gas	173.115
3	—	Flammable and combustible liquid	173.120
4	4.1	Flammable solid	173.124
4	4.2	Spontaneously combustible material	173.124
4	4.3	Dangerous when wet material	173.124
5	5.1	Oxidizer	173.127
5	5.2	Organic Peroxide	173.128
6	6.1	Poisonous materials	173.132
6	6.2	Infectious substance (Etiologic agent)	173.134
7	—	Radioactive material	173.403
8	—	Corrosive material	173.136
9	—	Miscellaneous hazardous material	173.140
None	—	Other regulated material; ORM-D	173.144

Sec. 3(a). Except as provided in paragraph (c) of this section, a material not specifically listed in 49 CFR §172.101, Hazardous Materials Table, that meets the definition of more than one hazard class or division as defined in 49 CFR §173.21 through §173.144, shall be classed according to the highest applicable hazard class of the following hazard classes, which are listed in descending order of hazard:

- (1) Class 7 (radioactive materials, other than limited quantities).
- (2) Division 2.3 (poisonous gases).
- (3) Division 2.1 (flammable gases).
- (4) Division 2.2 (nonflammable gases).
- (5) Division 6.1 (poisonous liquids), Packing Group I, poisonous-by-inhalation only.
- (6) A material that meets the definition of a pyrophoric material (Division 4.2) in 49 CFR §173.124 (b)(1).
- (7) A material that meets the definition of a self-reactive material (Division 4.1) in 49 CFR §173.124 (a)(2).
- (8) The hazard class and packing group for a material meeting more than one of the following hazard classes shall be determined using the precedence table in paragraph (b) of this section:
 - Class 3 (flammable liquids)
 - Class 8 (corrosive materials)
 - Division 4.1 (flammable solids)
 - Division 4.2 (spontaneously combustible materials)
 - Division 4.3 (dangerous when wet materials)
 - Division 5.1 (oxidizers)
 - Division 6.1 (poisonous liquids or solids other than Packing Group I poisonous-by-inhalation).
- (9) Combustible liquids.
- (10) Class 9 (miscellaneous hazardous materials).

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RULES

ITEM 540-A-Continued

Sec. 3(b). Precedence of hazard table for Classes 3 and 8 and Divisions 4.1, 4.2, 4.3, 5.1 and 6.1:

Precedence of Hazard Table															
[Hazard class or division and packing group]															
	4.2	4.3	5.1, I ⁽¹⁾	5.1, II ⁽¹⁾	5.1, III ⁽¹⁾	6.1, I dermal	6.1, I oral	6.1 II	6.1 III	8, I liquid	8, I solid	8, II liquid	8, II solid	8, III liquid	8, III solid
3 I ⁽²⁾		4.3				3	3	3	3	3	⁽³⁾	3	⁽³⁾	3	⁽³⁾
3 II ⁽²⁾		4.3				3	3	3	3	8	⁽³⁾	3	⁽³⁾	3	⁽³⁾
3 III ⁽²⁾		4.3				6.1	6.1	6.1	3 ⁽⁴⁾	8	⁽³⁾	8	⁽³⁾	3	⁽³⁾
4.1 II ⁽²⁾	4.2	4.3	5.1	4.1	4.1	6.1	6.1	4.1	4.1	⁽³⁾	8	⁽³⁾	4.1	⁽³⁾	4.1
4.1 III ⁽²⁾	4.2	4.3	5.1	4.1	4.1	6.1	6.1	6.1	4.1	⁽³⁾	8	⁽³⁾	8	⁽³⁾	4.1
4.2 II		4.3	5.1	4.2	4.2	6.1	6.1	4.2	4.2	8	8	4.2	4.2	4.2	4.2
4.2 III		4.3	5.1	5.1	4.2	6.1	6.1	6.1	4.2	8	8	8	8	4.2	4.2
4.3 I			5.1	4.3	4.3	6.1	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
4.3 II			5.1	4.3	4.3	6.1	4.3	4.3	4.3	8	8	4.3	4.3	4.3	4.3
4.3 III			5.1	5.1	4.3	6.1	6.1	6.1	4.3	8	8	8	8	4.3	4.3
5.1 I ⁽¹⁾						5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
5.1 II ⁽¹⁾						6.1	5.1	5.1	5.1	8	8	5.1	5.1	5.1	5.1
5.1 III ⁽¹⁾						6.1	6.1	6.1	5.1	8	8	8	8	5.1	5.1
6.1 I dermal										8	6.1	6.1	6.1	6.1	6.1
6.1 I, oral										8	6.1	6.1	6.1	6.1	6.1
6.1 II inhalation										8	6.1	6.1	6.1	6.1	6.1
6.1 II dermal										8	6.1	8	6.1	6.1	6.1
6.1 II, oral										8	8	8	6.1	6.1	6.1
6.1 III										8	8	8	8	8	8

¹See 49 CFR §173.127.

²Materials of Division 4.1 other than self-reactive substances and solid desensitized explosives, and materials of Class 3 other than liquid desensitized explosives.

³Denotes an impossible combination.

⁴For pesticides only, where a material has the hazards of Class 3, Packing Group III, and Division 6.1, Packing Group III, the primary hazard is Division 6.1, Packing Group III.

Sec. 3(c). The following materials are not subject to the provisions of paragraph (a) of this section because of their unique properties:

(1) A Class 1 (explosive) material that meets any other hazard class or division as defined in this part shall be assigned a division in Class 1. Class 1 materials shall be classed and approved in accordance with 49 CFR §173.56;

(2) A Division 5.2 (organic peroxide) material that meets the definition of any other hazard class or division as defined in this part, shall be classed as Division 5.2;

(3) A Division 6.2 (infectious substance) material that also meets the definition of another hazard class or division, other than Class 7, or that also is a limited quantity Class 7 material, shall be classed as Division 6.2;

(4) A material that meets the definition of a wetted explosive in 49 CFR §173.124(a)(1) (Division 4.1). Wetted explosives are either specifically listed in the 49 CFR §172.101 Hazardous Materials Table or are approved by the DOT Associate Administrator (see 49 CFR §173.124(a)(1)); and

(5) A limited quantity of a Class 7 (radioactive) material that meets the definition for more than one hazard class or division shall be classed in accordance with 49 CFR §173.423.

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) 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; 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.

While compliance with U.S. Department of Transportation hazardous materials regulations must be made, determination of the applicable class is subject to Item 680, Sec. 1(a), Note 2(a) and (b).

Sec. 5. Reverse Logistics: Shipments of hazardous materials may be offered for transportation from a retail store for return to its manufacturer, supplier or distribution facility for the purpose of capturing value, recall, replacement, recycling, or similar reason, provided they meet the definition specified in 49 CFR §171.8, the requirements set forth in 49 CFR §173.157, and bear the marking "REVERSE LOGISTICS—HIGHWAY TRANSPORT ONLY—UNDER 49 CFR 173.157."

Note A—These provisions do not obligate carriers to transport shipments beyond the scope of their operating authority or in violation of any applicable law, regulation, ordinance, or other legal restriction.

Note B—Articles or equipment containing or contaminated with polychlorinated biphenyl (PCB) destined to temporary storage sites or authorized disposal facilities must comply with all DOT and Environmental Protection Agency (EPA) regulations; and the articles or equipment must be prepared by shipper in accordance with the applicable Classification provisions.

(Continued on following page)

RULES**ITEM 540-A-Continued**

Note C—These provisions do not apply on interstate shipments of hazardous wastes of no economic value destined for disposal, other than nuclear or radioactive wastes.

Note D—The most stringent packing group assigned to a hazard of the material takes precedence over other packing groups; for example, a material meeting Class 3 PG II and Division 6.1 PG I (oral toxicity) is classified as Class 3 PG I.

Note E—A material that meets the definition of Class 8 and has an inhalation toxicity by dusts and mists which meets criteria for Packing Group I specified in 49 CFR §173.133(a)(1) must be classed as Division 6.1 if the oral or dermal toxicity meets criteria for Packing Group I or II. If the oral or dermal toxicity meets criteria for Packing Group III or less, the material must be classed as Class 8.

ITEM 595-A**MAXIMUM CHARGES**

▲Cancel; no further application.

ITEM	ARTICLE	CLASS
♦♦4620-A	ADHESIVES GROUP: subject to item 4605 Adhesives, NOI, Adhesive Cements, NOI, Adhesive Glues, NOI, or Adhesive Pastes, NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Notes, items 4621 and 4622, 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 20	85
Sub 2	20 or greater	60
★4621	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
△4622-A	NOTE—Also applies when one flat applicator for each inner container is included in the shipment.	
4623-A	NOTE—▲...Cancel; no further application.	
15220-A	ASPHALT GROUP: subject to item 15200 Asphalt (Asphaltum), 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, 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. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
15380-A	Tar, coal or petroleum, ♦not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 15221, □in metal cans in boxes, or in drums or pails, see Note, item 15382.....	55
△15382-A	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 1/2 inch Cube test in water, when shipped in fiber drums.	
♦□15420-A	Tar, NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 15221, in metal cans in boxes, or in drums.....	55
16280-A	ATHLETIC GOODS GROUP: subject to item 15500 Fishing ▲Poles or Rods, ▲see Note, item 16281, in boxes	♦200
★16281	NOTE—Also applies on complement of fishing reels or line in same retail package.	
♦♦□18260-A	AUTOMOBILE PARTS GROUP: subject to item 17800 Body Parts; Parts; or Trim; viz.: Body Parts, NOI, see Notes, items 18262, 18265 and 18266; Driving Gear or Steering Gear Parts, NOI; Frames or Holders, automobile license plate or personal identification plate, plastic, with or without fasteners; Louvers, air conditioning, heating or ventilating; Parts, NOI, see Notes, items 18262, 18265 and 18266; Pickup Truck Bed Liners, molded plastic; Pickup Truck Bed Storage Boxes or Organizers, see Note, item 18268; Repair Panels, NOI, see Note, item 18267; Running Boards, NOI, with or without splash guards, step plates or lights; Trim, body, fender, front end, rear end or roof, see Notes, items 18262, 18265 and 18266; Wheel Covers, Trim Rings or Rims, or Hubcaps, other than grease caps; In packages, subject to Items 170 and 171 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
△18262-A	NOTE—Also applies when parts or trim have weatherstripping, sound or shock absorbing or deadening material, or gaskets or similar material attached.	
△18265-A	NOTE—Applies on parts or trim, whether for interior or exterior installation and whether constituting a structural part of the body or constituting a part of the body interior furnishing or equipment.	
△18266-A	NOTE—Does not apply on: cellular, expanded or foam plastic or rubber insulation; pads or padding; carpets or carpeting; or tanks.	
△18267-A	NOTE—The term 'repair panels' embraces panels or patches such as headlight patches, dog legs, fender or body skins, or roof patches and applies only when formed from one piece of metal not finish painted and not suitable for use as original assembly parts.	
△18268-A	NOTE—Applies on storage boxes or organizers for installation in pickup truck beds, having enclosed drawers and a top that serves as a raised deck the full length and width of the truck bed.	
18405-A	Bumper Fittings, iron or steel, other than plated, etc. ♦□...Cancel; see item 18415.	
18407-A	NOTE—▲...Cancel; no further application.	
18410-A	Bumpers, front or rear end protection, metal, used, not reconditioned, having value for reconditioning or salvaging, prepaid, etc. ♦□...Cancel; see item 18415.	

ITEM	ARTICLE	CLASS
♦♦ ★ 18415	AUTOMOBILE PARTS GROUP: subject to item 17800 Bumpers or Bumper Fittings , front or rear end protection, with or without hitch plates, step plates or built-in lighting fixtures, see Note, item 18416: In boxes or crates, see Note, item 18417, subject to Item 170 and having a density in pounds per cubic foot of: Less than 6 6 but less than 10 10 or greater In packages other than boxes or crates, see Note, item 18417, subject to Item 170 and having a density in pounds per cubic foot of: Less than 6 6 but less than 10 10 or greater	250 125 77.5 300 150 85
Sub 1		
Sub 2		
Sub 3		
Sub 4		
Sub 5		
Sub 6		
Sub 7		
Sub 8		
★18416	NOTE—Also applies on Brush Guards, Grille Guards, Bull Bars or Push Bars , whether or not combined with bumpers.	
□ ★18417	NOTE—Articles tendered for shipment on lift truck skids, pallets or platforms must be securely fastened to and must not overhang the edges of the lift truck skid, pallet or platform deck. Exposed surfaces and edges must be completely wrapped with plastic film or corrugated fiberboard or protected by wood or similar material.	
18419-A	NOTE—▲...Cancel; no further application.	
18420-A	Bumpers or Bumper Fittings , NOI, front or rear end protection, etc. ♦♦ ...Cancel; see item 18415.	
18421-A	NOTE—▲...Cancel; no further application.	
♦♦ □ 33880-A	BUILDING MATERIALS, MISCELLANEOUS, GROUP: subject to item 33570 Cement, Concrete or Masonry Waterproofing Compound , liquid or paste, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 33881: In carboys, or in glass in boxes In metal cans in boxes, or in drums, pails or Package 2513	100 55
Sub 1		
Sub 2		
★33881	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
△34282-A	NOTE—Also applies on accompanying hardware, angles, bars, castings, chain, cable, guides, hoods, pipe, rollers, springs, motors, sprockets, track, hinges, sheaves, brackets, handles, locks, hangers, rails, hooks, pulleys, rods or other fittings when in same package with the doors, door sections, grilles, partitions or shutters, or, when in shipments of 36,000 pounds or more, separate packages.	
34500-A	Doors, Partitions or ♦Exterior Shutters , rolling, wooden, see Note, item 34282, in packages	70
♦35000-A	Mantels , in boxes or crates, □ see Notes, items 35001 and 35002	200
□ ★35001	NOTE—Articles must be protected by packing forms or other packaging materials necessary to afford adequate protection against damage.	
□ ★35002	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.	
35350-A	Shutters, ♦♦exterior, NOI; or Foundation Ventilators (Sash and Screen combined) ; plastic, with or without components of other materials, in boxes, subject to Items 170 and 171 and having a density in pounds per cubic foot of: Less than 1 1 but less than 2 2 but less than 4 4 but less than 6 6 but less than 8 8 but less than 10 10 but less than 12 12 but less than 15 15 but less than 22.5 22.5 but less than 30 30 or greater	400 300 250 175 125 100 92.5 85 70 65 60
Sub 1		
Sub 2		
Sub 3		
Sub 4		
Sub 5		
Sub 6		
Sub 7		
Sub 8		
Sub 9		
Sub 10		
Sub 11		
△42600-A	CHEMICALS GROUP: see Notes, items 42603 and 42604	
△42603-A	NOTE—Commodities listed under this generic heading when tendered for shipment in Package 2452 are to be classified under the same provisions that apply when tendered to the carrier in boxes.	
△42604-A	NOTE— 1. Materials regulated by the U.S. Department of Transportation that are required to bear any of the Hazard Class 6 or Hazard Division 6.1 labels listed below are subject to the provisions of item 45615, regardless of the DOT-designated Hazard Class or Hazard Division. (a) 'INHALATION HAZARD' (b) 'POISON' (c) 'TOXIC' (d) 'PG III' 2. Materials classed in the U.S. Department of Transportation regulations as a gas that is poisonous by inhalation or that is required to bear a 2.3 'INHALATION HAZARD' label under such regulations are not subject to the provisions of this grouping. Such materials are subject to the provisions of item 85900.	
42610-A	★Acetaldehyde, etc. ♦♦ ...Cancel; see item 44500.	
42640-A	★Acetone, NOI, etc. ♦♦ ...Cancel; see item 44500.	
42645-A	★Acetonitrile, etc. ♦ ...Cancel; see item 44500.	
42650-A	★Acrylate, butyl, ethyl, ethylhexyl, hydroxyethyl, hydroxypropyl, isobutyl or methyl, or Methyl Methacrylate Monomer , with inhibitor added, etc. ♦ ...Cancel; see item 44500.	

ITEM	ARTICLE	CLASS
◆◆42660-A	CHEMICALS GROUP: subject to item 42600 Alcohols , NOI, other than alcoholic liquors and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 42661:	
Sub 1	In carboys	100
Sub 2	In inner containers in boxes, or in pails	70
Sub 3	In drums	65
★42661	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
42670-A	◆Alcohols, NOI; including Anhydrous Alcohol , not denatured, etc. ◆◆...Cancel; see items 42660 and 44500.	
42680-A	◆Alcohol, methallyl, etc. ◆...Cancel; see item 44500.	
42690-A	◆Alcohol, amyl, etc. ◆◆...Cancel; see items 42660 and 44500.	
42692-A	NOTE—▲...Cancel; no further application.	
42694-A	NOTE—▲...Cancel; no further application.	
42696-A	NOTE—▲...Cancel; no further application.	
42698-A	NOTE—▲...Cancel; no further application.	
42699-A	NOTE—▲...Cancel; no further application.	
42702-A	NOTE—▲...Cancel; no further application.	
42703-A	NOTE—▲...Cancel; no further application.	
42704-A	NOTE—▲...Cancel; no further application.	
42710-A	◆Denatured or Methanol (Methyl Alcohol), solidified, etc. ◆...Cancel; see items 42660 and 44500.	
42720-A	◆Methyl Isobutyl Carbinol, etc. ◆...Cancel; see item 44500.	
43160-A	◆Amyl Acetate, etc. ◆◆...Cancel; see item 44500.	
43270-A	◆Aqueous Monomethylamine, Aqueous Dimethylamine, or Aqueous Trimethylamine, etc. ◆...Cancel; see item 44500.	
43470-A	◆Benzol (Benzene), etc. ◆◆...Cancel; see item 44500.	
43570-A	◆Butyl Acetate, etc. ◆...Cancel; see item 44500.	
43600-A	◆Butyraldehyde, etc. ◆◆...Cancel; see item 44500.	
43970-A	◆Chloropentanes (Dichloropentanes, Trichloropentanes or Tetrachloropentanes), etc. ◆◆...Cancel; see item 44500.	
44220-A	◆Cyclohexane, etc. ◆...Cancel; see item 44500.	
44250-A	◆Dichloroethyl Ether, etc. ◆...Cancel; see item 44500.	
44260-A	◆Dichloroethylene, etc. ◆...Cancel; see item 44500.	
44330-A	◆Diisobutyl Ketone, etc. ◆...Cancel; see item 44500.	
◆◆44380-A	Dyes or Colors , coal tar, other than indigo and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 44381; dry, liquid or paste, in boxes or drums; or dry, in Packages 1059, 1065 or 2005. See item 60000 for class dependent upon released value	100
★44381	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
44420-A	◆Ether, butyric, etc. ◆◆...Cancel; see item 44500.	
44425-A	◆Ether: Diethylene glycol dimethyl; Tetraethylene glycol dimethyl; Triethylene glycol dimethyl, etc. ◆...Cancel; see item 44500.	
44430-A	◆Ether, ethyl (Sulfuric Ether), anesthesia ether, etc. ◆◆...Cancel; see item 44500.	
44440-A	◆Ether, ethyl (Sulfuric Ether), other than anesthesia ether, etc. ◆◆...Cancel; see item 44500.	
44450-A	◆Ether, isopropyl, etc. ◆...Cancel; see item 44500.	
44470-A	◆Ethylbenzene (Ethylbenzol), Ethylbenzine, Polyethylbenzene, Polyethylbenzine or Diethylbenzene, etc. ◆...Cancel; see item 44500.	
▲★44480	Ethylidene Aniline , in inner containers in boxes. See item 60000 for class dependent upon released value	100
◆◆★44500	◆Flammable Liquids, NOI; or Combustible Liquids in bulk containers with a maximum capacity greater than 119 gallons, NOI; other than toxic, see Notes, items 42604 and 44501, in U.S. DOT-authorized packaging:	
Sub 1	In Packing Group I	100
Sub 2	In Packing Group II	92.5
Sub 3	In Packing Group III	85
★44501	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 3: Flammable Liquid; or Combustible Liquid in bulk containers; as defined in 49 CFR §173.120 and required to bear a notice to that effect on bills of lading and packaging.	
44510-A	◆Ethylidene Aniline, etc. ▲...Cancel; see item 44480.	
44540-A	◆Formaldehyde, paste, etc. ◆◆...Cancel; see item 44500 and provisions otherwise applicable.	
44560-A	◆Formate, ethyl or methyl, etc. ◆◆...Cancel; see item 44500.	
44840-A	◆Isobutyl Acetate, etc. ◆◆...Cancel; see item 44500.	
44850-A	◆Isobutyl Aldehyde, etc. ◆...Cancel; see item 44500.	
44853-A	◆Isobutyric Acid, etc. ◆...Cancel; see item 44500.	
44860-A	◆Isopropyl Acetate, etc. ◆...Cancel; see item 44500.	
45250-A	◆Methyl Acetate, etc. ◆◆...Cancel; see item 44500.	
45280-A	◆Methyl Butyl Ketone, Methyl Ethyl Ketone, Methyl Isobutyl Ketone or Methyl Propyl Ketone, etc. ◆◆...Cancel; see item 44500.	
45300-A	◆Methylal, etc. ◆...Cancel; see item 44500.	
45470-A	◆Paraldehyde, etc. ◆◆...Cancel; see item 44500.	

ITEM	ARTICLE	CLASS
	CHEMICALS GROUP: subject to item 42600	
45970-A	☼ Proprietary Antifreeze or Engine Coolant Preparations , see Note, item 45972; Heat Transfer Agents or Media , NOI, see Note, item 45976; or Proprietary De-icing Preparations , etc. ♦☐...Cancel; see item 44500.	
45972-A	NOTE—▲...Cancel; no further application.	
45974-A	NOTE—▲...Cancel; no further application.	
45976-A	NOTE—▲...Cancel; no further application.	
45980-A	☼ Propyl Acetate , etc. ♦☐...Cancel; see item 44500.	
45990-A	☼ Propyl Aldehyde , etc. ♦☐...Cancel; see item 44500.	
46010-A	☼ Propylene Oxide , etc. ♦☐...Cancel; see item 44500.	
46020-A	☼ Pyridine , etc. ♦♦☐...Cancel; see item 44500.	
♦☐46030-A	Resins , coal tar or petroleum, or Resin Compounds , see Note, item 46032, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 46031, in multiple-wall paper bags, cloth bags, boxes, drums or Packages 591, 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. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
△46032-A	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; OR (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.	
	Tar Products: subject to item 46790	
46830-A	☼ Chlorobenzene (Chlorobenzol) or Monochlorobenzol (Monochlorobenzene) , etc. ♦♦☐...Cancel; see item 44500.	
47060-A	Terepine Ether , etc. ♦☐...Cancel; see item 44500.	
47190-A	☼ Toluol (Toluene) , NOI, etc. ♦♦☐...Cancel; see item 44500.	
47230-A	☼ Vinyl Acetate , etc. ♦☐...Cancel; see item 44500.	
47240-A	☼ Vinyl Toluene , inhibited, liquid, etc. ♦☐...Cancel; see item 44500.	
47260-A	☼ Xylol , NOI, or Xylene , etc. ♦♦☐...Cancel; see item 44500.	
♦☐47650-A	Chlorinated Phenol Petroleum Solution (Liquid Wood Preservatives) , not exceeding 5 percent of chlorinated phenol by weight and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 47651:	
Sub 1	In inner containers in boxes	65
Sub 2	In bulk in drums	50
★47651	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
	CLOTH, DRY GOODS, FABRICS OR TEXTILES GROUP: subject to item 48920	
49390-A	Dry Goods or Textiles, viz.: Bedspreads or Coverlets , NOI; Blankets , NOI; ♦♦ Cloths or Rags , cleaning, dusting, polishing or wiping, NOI, new or used, including waste, see Note, item 49392; Comforter or Duvet Covers ; Curtains or Draperies , NOI; Diapers , cloth, NOI; Dry Goods or Textiles , NOI; Napkins , table; Parts or Pieces , clothing, NOI, cut to size; Pillowcases or Pillow Shams , NOI; Sheets , NOI; Tablecloths ; Towels , NOI; Washcloths , NOI; In boxes or wrapped bales or rolls, subject to Items 170 and 171 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
49391-A	NOTE—▲...Cancel; no further application.	

ITEM	ARTICLE	CLASS
★49392	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
◆□50475-A	Compounds or Solutions , windshield washer cleaning or antifreeze, concentrated or premixed, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 50476:	
Sub 1	In inner containers in boxes	65
Sub 2	In bulk in drums	55
★50476	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
◆51035-A	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750 Duct , air distributing, ventilating or exhaust system, flexible, see Note, item 51036, in packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 4	300
Sub 2	4 but less than 5	200
Sub 3	5 but less than 6	175
Sub 4	6 or greater	110
△51036-A	NOTE—The term 'flexible' is descriptive of duct which may withstand a bend of 180° over a mandrel having a diameter equal to the inside diameter of the duct and return to original shape without deterioration of the wall structure.	
59020-A	DRUGS, MEDICINES OR TOILET PREPARATIONS: subject to item 58500 ◆Nitroglycerin, Spirits of, etc. ◆◆□...Cancel; see item 44500.	
◆◆□59070-A	Perfume or Perfumery , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 59421, in boxes, drums or Packages 2189 or 2213. See item 60000 for class dependent upon released value	100
◆□59420-A	Toilet Preparations , NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Notes, items 59421, 59422, 59424 and 59425, in boxes, drums or Packages 2180, 2189, 2407, 2411, 2440, 2499, 2500 or 2521. See item 60000 for class dependent upon released value	85
★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. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
△59422-A	NOTE—Also applies on the following accompanying articles related to the cosmetic care of the skin, nails, hair or eyes: toilet brushes, manicure or pedicure scissors, files, clippers or implements; toilet cases with toilet implements or preparations; notions, NOI; nail enamel solvents or dryers; false eyelashes; cuticle lotion heaters; nebulizers; dental goods; adhesives; compact or lipstick cases; cosmetic pads; or makeup mirrors. False eyelashes, if present, must not exceed 5 percent of weight upon which charges are assessed, or 10 pounds, whichever is less. The total weight of the accessory articles accompanying the toilet preparations in the same or separate packages must not exceed 10 percent of the weight upon which charges are assessed. Provisions will not apply when released as to value per item 60000.	
△59424-A	NOTE—Also applies on Toothpaste or Tooth Powder .	
△59425-A	NOTE—Also applies on Cosmetics not more specifically described elsewhere in the Classification. The term 'Cosmetics' embraces articles intended to be rubbed, poured, sprinkled or sprayed on, introduced into or otherwise applied to the human body or any part thereof for cleansing, beautifying, promoting attractiveness or altering the appearance.	
◆61870-A	ELECTRICAL EQUIPMENT GROUP: subject to item 60500 Fans , ceiling, with or without blades or complement of lighting fixtures in same or separate package, see Note, item 61872, in boxes	110
△61872-A	NOTE—Only applies on fans designed for permanent installation to the ceiling for air circulation purposes.	
◆★72170	FOODSTUFFS GROUP: subject to item 72000 Beverages, Drinks or Shakes , 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.	
72730-A	Compounds , inactive yeast or whey, dried, etc. ▲...Cancel; obsolete.	
◆□72910-A	Extracts , NOI; Flavoring Compounds , NOI; Imitation Flavors , NOI; or Bottlers' Flavoring Compounds , NOI, see Note, item 72917; liquid, paste or dry, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Notes, items 72911, 72912, 72914 and 72916; in boxes or drums; or dry, in bulk in paper-lined cloth bags or four-ply multiple-wall paper bags, or in Packages 1000, 2358 or 2440, see Note, item 72918	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. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
△72912-A	NOTE—Also applies on natural or imitation concentrated fruit or vegetable juices for flavoring beverages, beverage syrups, candy, confectionery or ice cream.	
△72914-A	NOTE—Inner containers may include plastic or metal molds, or paper, plastic or wooden sticks not in excess of 5 percent of gross weight of package.	
△72916-A	NOTE—There may be included in each package a quantity of sodium salts not in excess of 5 percent of the gross weight of the package.	
△72917-A	NOTE—There may be included in each shipment of Bottlers' Flavoring Compounds a quantity of phosphoric acid solution, alcohol solution, or a combination of both, not in excess of 15 percent of the total shipment weight.	
△72918-A	NOTE—Vending machine fruit juice concentrates, natural or artificial, may be shipped in Package 1500.	
73185-A	Food or Food Supplements , liquid, flavored, other than milk food or milk substitute, etc. ◆...Cancel; see item 72170.	
73186-A	NOTE—▲...Cancel; see item 72171.	

ITEM	ARTICLE	CLASS
FOODSTUFFS GROUP: subject to item 72000		
◆75450-A	Whey , NOI, condensed or powdered, see Note, item 75451, in bags, boxes or drums, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 8	150
Sub 2	8 but less than 12	100
Sub 3	12 or greater	70
★75451	NOTE—Also applies on Whey Protein Concentrates or Isolates , with or without other ingredients.	
FURNITURE GROUP: subject to item 79000		
☞★79545	Mattresses , compressed and rolled, in boxes, see Note, item 79551, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 7	175
Sub 2	7 or greater	100
◆☞79550-A	Mattresses , NOI; Upholstered Box Springs ; or Waterbeds , see Note, item 79554; in Packages 5F or 10F, see Note, item 79551	300
☞★79551	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. When so tendered, articles may be shipped in Packages 47F or 154F.	
79552-A	NOTE—▲...Cancel; no further application.	
79553-A	NOTE—☐...Cancel; no further application.	
▲79554-A	NOTE—Applies only on waterbeds consisting of a mattress (foam, cellular, expanded or sponge plastic or rubber pad, integral water cylinders or bladder, and plastic liner; with fabric covering) with or without a pedestal or platform.	
INK AND RELATED MATERIALS GROUP: subject to item 101710		
◆◆☞101720-A	Ink and Related Materials , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 101721, viz. :	
	Bases , color, ink;	
	Compounds , ink reducing, thickening or thinning;	
	Driers , ink;	
	Extenders , ink;	
	Ink , brush or stencil marking;	
	Ink , printing, NOI;	
	Plasticizers , ink;	
	Solvents , ink;	
	Varnishes , ink;	
Sub 1	In metal or plastic tubes, in boxes other than Package 2144	100
Sub 2	In metal or plastic tubes, in Package 2144	70
Sub 3	In inner containers other than metal or plastic tubes in boxes, or in drums, pails or Packages 2388, 2440, 2463, 2467, 2499, 2516 or 2521	55
★101721	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
◆☞111230-A	☞ Lighters , viz. :	
	Lighters , cigar, cigarette or pipe, NOI;	
	Lighters , multipurpose or utility, stem or nozzle type;	
Sub 1	Other than containing flammable gas or flammable liquid; or containing flammable gas transported in accordance with 49 CFR §173.308(e); in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 10	150
Sub 3	10 or greater	70
Sub 4	Containing flammable gas, other than transported in accordance with 49 CFR §173.308(e), see Note, item 111232, in U.S. DOT-authorized packaging	250
Sub 5	Containing flammable liquid, see Note, item 111233, in U.S. DOT-authorized packaging	150
111231-A	NOTE—▲...Cancel; no further application.	
★111232	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 2, Division 2.1, Flammable Gas, as defined in 49 CFR §173.115 and required to bear a notice to that effect on bills of lading and packaging.	
★111233	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 3, Flammable Liquid, as defined in 49 CFR §173.120 and required to bear a notice to that effect on bills of lading and packaging.	
LIQUORS, BEVERAGE: subject to item 111400		
☞☞111450-A	Liquors , alcoholic, NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 111451, in boxes, drums or Packages 1343, 1352, 2297, 2332 or 2539	100
★111451	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
MACHINERY GROUP: subject to item 114000		
◆◆☞128000-A	Pumps , power, NOI:	
Sub 1	In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 8	175
Sub 3	8 but less than 15	92.5
Sub 4	15 or greater	65
Sub 5	In packages other than boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 8	200
Sub 7	8 but less than 15	100
Sub 8	15 or greater	70

ITEM	ARTICLE	CLASS
136740-A	METERS, OR PARTS NAMED: subject to item 136700	
136742-A	Electric, or Parts thereof , NOI, see Note, item 136742, etc. ♦□...Cancel; see item 136750.	
♦□★136750	NOTE—▲...Cancel; no further application.	110
136760-A	Electric , in boxes Electric , watt-hour, used, suitable only for salvage or reconditioning, actual value not exceeding \$1.50 each, see Note, item 136762, etc. ♦□...Cancel; see item 136750.	
136762-A	NOTE—▲...Cancel; no further application.	
♦137375-A	Mirrors , cosmetic, with electric lights, portable, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6	200
Sub 2	6 or greater	110
♦□138460-A	Motor Fuels , NOI, liquid (liquid blends of alcohol and petroleum or tar products; alcohol, castor oil and nitromethane; or of tar products with or without petroleum products), not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Notes, items 138461 and 138462, in inner containers in boxes, or in drums.....	65
△138461-A	NOTE—Applies only on motor fuels with an alcohol or tar content of 50 percent or more. Motor fuels with a petroleum content of 50 percent or more are classified per item 155250.	
★138462	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
	OILS, OTHER THAN PETROLEUM: subject to item 144600	
144680-A	✱ Camphor , etc. ♦♦□...Cancel; see item 44500.	
144760-A	✱ Coal Tar or Gas Drips , crude, NOI, including Crude Coal Tar Naphtha and Crude Light Oil of Coal Tar , etc. ♦□...Cancel; see item 44500.	
144840-A	✱ Creosote (Dead Oil of Coal Tar or Wood Tar) including Distillate or Solution (Creosote Oil and Tar) , etc. ♦□...Cancel; see item 44500.	
145210-A	✱ Paint Oils , NOI, etc. ♦♦□...Cancel; see items 44500 and 149980.	
145250-A	✱ Pine , etc. ♦□...Cancel; see item 44500.	
145260-A	Pine Tar , etc. ♦□...Cancel; see item 44500.	
145330-A	✱ Rosin , etc. ♦□...Cancel; see item 44500.	
	PAINTS GROUP: subject to item 149500	
♦□149610-A	Caulking or Glazier's Compounds , NOI, other than foam, cellular or expanded plastic or rubber and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Notes, items 149612 and 149982, in boxes, crates, pails or steel drums	55
△149612-A	NOTE—Also applies on paint in tubes in the same shipping container when the weight of the paint does not exceed 10 percent of the weight upon which freight charges are assessed.	
♦♦□149980-A	Paint and Related Materials , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 149982, viz.: Additives , paint preserving; Color , mortar; Compounds , paint, lacquer, varnish, gum, resin, plastic or adhesive increasing, reducing, removing, thickening or thinning; Driers , paint or varnish; Fillers , wood; Lacquer ; Liquids , bronzing; Paint Oils ; Paints, Stains or Varnishes , NOI; Pigments , NOI; Plasticizers , paint, lacquer, varnish, gum, resin or plastic; Shellacs ; Solvent , paint, lacquer, varnish, gum, resin, plastic, rubber or adhesive; In bags, boxes, drums, pails, intermediate bulk containers (IBCs), portable tanks or Packages 33, 601, 934, 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:	
Sub 1	Less than 20	85
Sub 2	20 or greater	55
149981-A	NOTE—▲...Cancel; no further application.	
★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. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
150220-A	✱ Turpentine , NOI, including Pinene or Wood Turpentine , etc. ♦□...Cancel; see item 44500.	
	PETROLEUM PRODUCTS GROUP: subject to item 155100	
△155126-A	NOTE—Petroleum oil, NOI, petrolatum or petrolatum preparations, prepared and represented as a remedy, medicine or lubricant for the human body, will be classed under the specification for medicines, NOI.	
△155150-A	Additives , fuel oil, gasoline or lubricating oil, other than combustible in bulk containers holding 119 gallons or more, and other than flammable, see Notes, items 155151 and 155152, in drums	65
△155151-A	NOTE—Applies on additives used as viscosity index improvers, friction reduction agents or pour-point depressants.	
155152-A	NOTE—Does not apply on additives meeting the U.S. DOT regulations' definition of combustible ▲liquids when shipped in bulk containers holding 119 gallons or more, or flammable ▲liquids. See item ▲44500 for applicable classes.	

ITEM	ARTICLE	CLASS
◆ 155250-A	PETROLEUM PRODUCTS GROUP: subject to item 155100 Petroleum Oils, Greases and Related Products, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 155252, viz.: Adhesive or Coating, air filtering element dust arresting; Alcohols, inedible fatty, NOI; Fatty Acid, petroleum; Naphthenic Acid; Oil, NOI, see Notes, items 155126 and 155255; Paraffin Wax; Petrolatum, Petroleum Jelly or Petroleum Petrolatum Preparations, see Note, item 155126; Petroleum Distillates or Petroleum Products, NOI; Petroleum Wax; Transformer Oil; In bags, boxes, drums or Packages 210, 589, 591, 602, 926, 1000, 1235, 1500, 2096, 2342, 2440, 2445, 2452, 2454, 2473, 2500, 2516, 2526, 2528 or 2530	65
155251-A	NOTE—▲...Cancel; no further application.	
★ 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. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
△ 155255-A	NOTE—When palletized, lubricating oil may be shipped in Package 1500 modified so that the film enclosure of the completed package may have end openings. End openings must not exceed 1/2 the exposed height of the inner containers.	
155440-A	Petroleum Toluene (Petroleum Toluol), etc. ◆...Cancel; see item 44500.	
◆ 156240-A	PLASTIC MATERIALS, OTHER THAN EXPANDED, GROUP: subject to item 156100 Liquid, 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, 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. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
156600-A	PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500 Articles, viz.: Articles, NOI; Boot or Shoe Forms or Trees, other than display forms or trees; Caps, Covers, Discs, Ends, Bands, Rings or Tops, NOI, for bottles, cans, cups, collapsible tubes, glasses, jars or jugs; Car Seats, child or baby; Columns; or other Forms or Shapes, NOI; architectural; Containers, packaging, NOI; ◆◆Dinnerware or Tableware, NOI; Filmstrip or Audio or Video Cassette Storage Albums; Garbage or Refuse Cans; Gloves, see Note, item 156604; Grips, NOI, including Golf Club, Hand Tool or Handlebar Grips; Liners, swimming pool, plastic film or sheeting; Mats, bathtub, shower stall, drainboard, sink or stove protector; Molding, other than baseboard or cove; Motion Picture Film Cans, Cores, Magazines, Reels or Film Spools, empty; Pipe or Pipe Fittings; Poultry Watering Systems, see Note, item 156603; Seats, toilet or water closet, hollow molded; Tanks, NOI; Tractor Treads, rubber; Tubing, NOI, other than flexible; In boxes, crates, drums or Packages 870, 1078, 1241, 1273, 1456, 2195, 2212, 2213, 2230 or 2459, see Note, item 156602, subject to Items 170 and 171 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

ITEM	ARTICLE	CLASS
△156602-A	<p>PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500</p> <p>NOTE—The following departures from packing requirements are permitted:</p> <ol style="list-style-type: none"> 1. Necks of empty carboys may project from boxes, crates or drums. 2. Plastic shipping containers or plastic bottles may be shipped in packages in quantities of 10,000 pounds or more; or plastic outer shipping containers having a capacity of 15 gallons or more may be shipped loose. Plastic gas cans having a capacity of 15 gallons or less may be shipped in bundles, unitized by heat shrinkable plastic film. Film must be of 2.5 mil minimum thickness, and must completely enclose entire bundle. 3. Plastic bottle carrying boxes or crates may be loose or in packages. 4. Extruded shapes in lengths of 10 feet or greater, having a density of 15 pounds or greater per cubic foot, may be in packages. 5. Plastic roof gutters, downspouts and/or fittings for gutters or downspouts may be shipped in Package 2060. 6. Plastic pipe or tubing, or tubes other than containers, in straight lengths may be shipped in packages or bundles with threaded ends protected. Plastic pipe or tubing, or tubes other than containers, greater than 6 inches in inside diameter, in straight lengths of 10 or more feet each may be shipped loose with threaded or belled ends protected. Plastic pipe or tubing, or tubes other than containers, other than in straight lengths, may be shipped in coils tied or wrapped with threaded ends protected or on fiberboard, wood or metal shipping reels. 7. Plastic pipe or tubes, smallest cross-sectional inside dimension greater than 6 inches, may be shipped in packages or in bundles with threaded or belled ends protected. Plastic pipe fittings may be shipped in packages with threaded or belled ends protected, or loose with threaded or belled ends protected when weighing each 15 pounds or over. 8. Plastic chairs may be shipped in Package 31F. 9. Plate or sheet, rolled, having a density of 15 pounds or greater per cubic foot, may be shipped strapped on pallets. 10. Molded plastic trays for shipping tube yarn may be shipped in packages. 11. Not currently used. 12. Flexible plastic fencing or mesh, produced by a stretching and extruding process, may be shipped in bundles or rolls. 13. Plate or sheet with formed interior cells, cavities or flutes may be shipped strapped on pallets or skids. 14. Garbage or refuse cans may be shipped in packages. 15. Not currently used. 16. Plastic tanks, other than outer shipping containers, may be shipped in packages. 17. Grips may be shipped in packages. 18. Swimming pool and pond liners may be shipped in wrapped bundles or rolls. 19. Poultry watering systems may be shipped in packages. 20. Cups or tumblers, without handles, may be shipped in Packages 2471 or 2505. 	
△156603-A	NOTE—Applies on poultry watering systems consisting of pipe, plastic drinkers, water filtering, metering or regulating devices and equipment necessary for installation, with or without other components or accessories.	
△156604-A	NOTE—Does not apply on any commodity which is defined and specified as medical waste in Federal regulations. For applicable class, see item 196160.	
156770-A	Dinnerware , consisting of bowls, cups with handles, dishes or plates, without covers or with nested covers, in same or separate containers, made of melamine resin, etc. ♦♦...Cancel; see item 156600.	
156771-A	NOTE—▲...Cancel; no further application.	
162190-A	PRINTERS' EQUIPMENT GROUP: subject to item 162000	
162470-A	Engravers' Plates , steel and chalk composition combined, etc. ▲...Cancel; obsolete.	
162680-A	Matrices , etc. ▲...Cancel; obsolete.	
	Trucks , form or waste metal, etc. ▲...Cancel; obsolete.	
170080-A	ROOFING OR SIDING MATERIALS GROUP: subject to item 170000	
	Coating , roofing, having asphalt, pitch, rosin or tar base, 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, see Note, item 170081, in inner containers in boxes, or in drums or pails.....	55
★170081	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
♦♦174200-A	SHADES OR BLINDS GROUP: subject to item 174130	
Sub 1	Shades, Shutters or Blinds , interior, including Venetian Blinds, Mini-Blinds or Vertical Blinds , in boxes or crates: Greatest dimension exceeding 192 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 4	400
Sub 3	4 but less than 8.....	250
Sub 4	8 or greater	110
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 4	300
Sub 7	4 but less than 8.....	175
Sub 8	8 or greater	100
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 4	250
Sub 11	4 but less than 8.....	175
Sub 12	8 or greater	85

ITEM	ARTICLE	CLASS
186590-A	TOOLS, OR PARTS NAMED: subject to item 183550 Tools , electric, hydraulic, pneumatic, or internal combustion engine operated, NOI, hand held or hand supported, etc. ◆...Cancel; see item 186640.	
186592-A	NOTE—▲...Cancel; see item 186641.	
◆★186640	Tools , power, NOI, handheld or hand supported, see Note, item 186641, in boxes or crates, 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.....	85
★186641	NOTE—Also applies on complement of accessories in same package.	
◆□187470-A	Tributyltin Compound Petroleum Solution , liquid (Liquid Wood Preservative), not exceeding 5 percent of tributyltin compound by weight and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 187471:	
Sub 1	In inner containers in boxes, or in pails.....	65
Sub 2	In drums.....	50
★187471	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
195520-A	WASTE MATERIALS GROUP: subject to item 194200 ☼Rags, NOI, etc. ◆◆...Cancel; see item 49390 and provisions otherwise applicable.	
◆□196180-A	Waste Hydroxy Aldehydes or Sugars , containing not less than 40 percent water (residuum from manufacture of pentaerythritol) and not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label, see Note, item 196181, in drums.....	60
★196181	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	

SPECIFICATIONS FOR NUMBERED PACKAGES**Package 513**☐ Cancel; no further application.**Package 574**☐ Cancel; no further application.**Package 36F**☐ Cancel; no further application.

DOCUMENTS AND GOVERNING RULES FOR TENDERING SHIPMENTS

ITEM 250100-A (FORMERLY ITEM 360)

BILLS OF LADING, FREIGHT BILLS AND STATEMENTS OF CHARGES

Sec. 1. Issuance and Requirements.

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

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

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

Sec. 1 (d). Not currently used.

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

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

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

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

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

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

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

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

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

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

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

Sec. 2 (b). Not currently used.

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

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

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

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

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

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

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

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

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

(Continued on following page)

DOCUMENTS AND GOVERNING RULES FOR TENDERING SHIPMENTS

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

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

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

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

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

EXPLANATION OF ABBREVIATIONS AND REFERENCE MARKS

Abbreviation or Reference Mark	Explanation	Abbreviation or Reference Mark	Explanation
ASTM	ASTM International	Sec.	Section
Avdp.	Avoirdupois	sq.	square
B&SG	Brown & Sharpe gauge	sq. ft.	square foot; square feet
BWG	Birmingham wire gauge	sq. in.	square inch(es)
°C	degree Centigrade (Celsius)	STB	Surface Transportation Board
CFR	Code of Federal Regulations	SU	Set Up
cm	centimeter(s)	t/a	trading as
COD	Collect on Delivery	t/d/b/a	trading and doing business as
Cont'd	Continued	™	Trademark
cu	cubic	UN	United Nations
cu. ft.	cubic foot; cubic feet	U.S.	United States
DOT	Department of Transportation	USC	United States Code
d/b/a	doing business as	U.S.S.G.	United States Standard Gauge
etc.	et cetera (and other things, or the rest; and so forth)	viz.	namely
°F	degree Fahrenheit	vol.	volume
g	gram	vs.	versus
gal	gallon(s)	&	and
in.	inch(es)	°	degree
incl.	inclusive	%	percent
ISTA	International Safe Transit Association	§	Section
KD	Knocked Down	☼	Indicates commodity or commodities may be subject to special federal regulations concerning the shipping of hazardous materials. See Item (Rule) 540 herein.
kg	kilogram	↓	Indicates reduction
kPa	Kilopascal	◆	Indicates increase
L	liter	▲	Indicates change in wording which results in neither an increase nor reduction
lbs.	pounds	☐	Indicates change in packaging
m	meter(s)	⚠	Indicates that the item is being brought forward without change
ml	milliliter(s)	★	Indicates new item, package or participating carrier
mm	millimeter(s)	Ⓐ	Addition to Index to Articles
MPa	Megapascal	Ⓑ	Eliminate from Index to Articles
NMFC	National Motor Freight Classification	Ⓒ	Change in Index to Articles
NOI	Not more specifically described herein	Ⓔ	These provisions are subject to the expiration date as shown in Item (Rule) 535.
o/a	operating as	①	The participation of this carrier is CANCELED; provisions of this Classification no longer apply for account of this carrier.
oz.	ounce(s)	Ⓟ	Under postponement
pcf	pounds per cubic foot	®	Registered trade name or registered trademark
psi	pounds per square inch	⊕	Effective March 28, 2019, under authority of 49 CFR §1312.6(b)(3).
qt.	quart	●	Indicates correction of printing error
RSorL	Classed the same or lower		
r.p.m.	revolutions per minute		
SCAC	Standard Carrier Alpha Code — The SCAC (alpha code) listings in this Classification represent only those carriers participating in the NMFC. For a complete listing of all assigned alpha codes, see the Directory of Standard Carrier Alpha Codes, NMF 101.		

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