



National Motor Freight Classification®

Supplement 4 to NMF 100-AV
(Supplements 1, 2, 3 and 4 contain all changes)

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Issued by:
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Carriers and other transportation companies who use or refer to any provisions of the National Motor Freight Classification® are required to be bona fide participants in the Classification.

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PARTICIPATING MEMBER INTERSTATE CARRIERS

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

SCAC	CARRIER NAME and DOMICILE	U.S. DOT Number	MC Number
⊕★WDWI	Weber Distribution Warehouses, Inc., Norwalk, CA	57459	41665

PARTICIPATING FREIGHT FORWARDER LICENSEES

The following freight forwarders 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.

SCAC	CARRIER NAME and DOMICILE	U.S. DOT Number	FF Number
⊕★CSED	CMS Domestic, Denver, CO	---	FF3789

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
⊕★FDTB	FedEx Custom Critical, Uniontown, OH	▶164025	▶141898
⊕★FPGA	Freight Partners Group LLC, Henderson, NV.....	3820997	792799
TPQL	▶Transplace Texas, LP n/k/a Uber Freight US LLC, Frisco, TX	2226417	384205

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 and previous supplements.

ITEM	SUP	ITEM	SUP	ITEM	SUP	ITEM	SUP	ITEM	SUP	ITEM	SUP
183-C	4	22212-A	4	34850-A	4	43450-A	4	44160-A	4	44865-A	4
220-A	2	22220-A	4	34943-A	1	43460-A	1	★44161	4	44870-A	4
★221	2	22222-A	4	35030-A	4	43500-A	4	44170-A	4	44900-A	4
225-A	2	22225-A	4	35240-A	1	43560-A	4	44180-A	4	44930-A	4
245-A	1	22227-A	4	36490-A	4	43565-A	4	44190-A	4	44940-A	4
275-A	1	22230-A	4	36610-A	4	43580-A	4	44230-A	4	44970-A	4
280-A	2	22235-A	4	36611-A	4	43590-A	4	44240-A	4	44980-A	4
420-A	2	22240-A	4	37504-A	2	43610-A	4	★44241	4	44982-A	4
540-A	1	22260-A	4	37612-A	2	43640-A	4	44290-A	4	45000-A	4
580-A	2	★22261	4	38000-A	2	43650-A	4	44320-A	4	45020-A	4
680-B	4	22430-A	4	★38650	4	43660-A	4	44370-A	4	45050-A	4
1010-A	4	22450-A	4	★38651	4	43680-A	4	44380-B	2	45060-A	4
1011-A	4	22500-A	4	39245-A	4	43690-A	4	44381-B	2	45070-A	1
1020-A	4	22502-A	4	39247-A	4	43692-A	4	44460-A	4	45170-A	4
1021-A	4	22504-A	4	39410-A	4	43710-A	4	44480-A	4	45175-A	4
1022-A	4	22506-A	4	39510-A	1	43750-A	4	44500-A	4	45180-A	4
★1050	4	22600-A	4	39970-A	2	43780-A	4	44501-A	4	45230-A	1
★1051	4	22605-A	4	39976-A	2	43800-A	1	44515-C	4	45240-A	4
1060-A	4	22640-A	4	40060-A	1	43830-A	1	44516-C	4	45295-A	4
1100-A	4	22642-A	4	40062-A	1	43850-A	1	44520-A	4	45320-A	1
1150-A	4	22660-A	4	40290-A	1	43860-A	4	44550-A	4	45322-B	4
11080-A	4	22970-A	1	42120-A	1	43870-A	4	44565-A	4	45323-B	4
12780-A	2	22971-A	1	42130-B	2	43920-A	4	★44566	4	45324-B	4
14160-A	2	23020-A	4	42605-A	4	43940-B	4	44567-A	4	45330-A	4
14700-A	2	23810-A	1	42655-A	1	43942-B	4	44570-A	4	45370-A	4
14770-A	2	23820-A	1	42740-A	1	43944-A	4	44571-A	4	45380-A	4
15260-A	1	23900-A	1	42910-A	1	43946-A	4	44590-A	4	45390-A	4
15520-A	4	23910-A	1	42940-A	4	43950-A	4	44600-A	4	45400-A	4
15522-A	4	23940-A	1	★42941	4	43980-A	4	44610-A	4	45410-A	4
15523-A	4	23980-A	1	42970-A	4	43990-A	4	44620-A	4	45420-A	4
15524-A	4	25020-A	4	42990-A	4	44000-A	4	44625-A	4	45430-A	4
15525-A	4	25100-A	2	★42991	4	44010-A	4	44626-A	4	45440-A	4
15530-A	1	26520-A	2	43000-A	4	44020-A	4	44645-A	4	45467-A	4
15590-A	2	26521-A	2	43030-A	4	44030-B	4	★44646	4	45468-A	4
16300-A	4	26522-A	2	★43031	4	44060-A	4	44650-A	4	45480-A	4
17290-A	1	26720-A	4	43040-A	4	44070-A	4	44660-A	4	45510-A	4
20380-A	1	26721-A	4	43090-A	4	44080-A	4	44670-A	4	45530-A	4
20510-A	1	26800-A	1	★43091	4	★44081	4	44680-A	4	45550-A	4
20512-A	1	28450-A	4	43110-A	4	44090-A	4	44700-A	4	45560-A	4
20580-A	1	29395-A	4	43130-A	4	44100-A	4	44710-A	4	45600-A	4
★20581	1	30743-A	1	43140-A	4	44110-A	4	44720-A	4	45613-B	4
20620-A	1	32790-A	4	43150-A	4	44120-A	4	44760-A	4	45615-B	4
20621-A	1	33440-A	2	43200-A	4	44122-A	4	44770-A	4	45616-B	4
21580-A	4	33442-A	2	43210-A	4	44130-A	4	44780-A	4	45660-A	4
22150-A	4	33600-A	1	43310-A	4	★44131	4	44790-A	4	★45661	4
22190-A	4	33860-A	1	43350-A	4	44140-A	4	44800-A	4	45670-A	4
22192-A	4	★34250	1	43370-A	4	44150-B	4	44810-A	4	45680-A	2
22200-A	4	★34251	1	43380-A	4	44155-A	4	44820-A	4	45700-A	4
22210-A	4	34810-A	2	43415-A	4	44156-A	4	44830-A	4	45710-A	4

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 For explanation of abbreviations and reference marks, see last page of this Supplement. ©NMFTA 2022

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ITEM	SUP	ITEM	SUP	ITEM	SUP	ITEM	SUP	ITEM	SUP	ITEM	SUP
45720-B	4	47050-A	4	49214-B	4	52902-A	1	61701-A	4	69455-A	2
★45721	4	47120-A	4	49220-A	4	53180-A	2	61910-A	2	69460-A	4
45760-A	4	47130-A	4	49222-A	4	53181-A	2	61911-A	2	69480-A	4
45860-A	4	47150-A	4	49225-A	4	53182-A	2	61940-A	2	69482-A	4
45870-A	4	47210-A	4	49235-A	4	53183-A	2	62010-A	2	69750-A	2
★45871	4	47250-A	4	49237-A	4	53520-A	4	62290-A	1	70680-A	4
45880-A	4	47280-A	4	49240-A	4	53710-A	4	62420-A	2	70681-A	4
45930-A	4	47290-B	4	49250-A	4	55660-A	2	62421-A	2	★70682	4
45950-A	4	47300-A	4	★49260	4	56290-A	2	62640-A	2	★70683	4
46000-A	4	47310-A	4	★49261	4	56291-A	2	62802-A	2	71390-A	4
46025-A	4	47320-A	4	★49262	4	56292-A	2	62860-A	2	71420-A	4
46030-A	1	47360-A	4	★49263	4	56293-A	2	62862-A	2	72062-A	2
46031-A	1	47370-A	1	49265-A	4	56294-A	2	63032-A	4	72220-B	2
46032-A	1	47400-A	4	49266-A	4	56295-A	2	63033-A	4	72490-A	1
46040-A	4	★47401	4	49267-A	4	56680-A	4	63035-A	2	72492-A	1
46045-A	1	47410-B	4	49270-A	4	56682-A	4	63160-A	2	72760-A	1
46050-A	2	48090-A	1	49390-A	4	56825-B	4	63161-A	2	72762-A	1
46060-A	4	48270-A	1	49392-A	4	56826-B	4	63162-A	2	73030-A	4
46070-A	4	48310-A	1	49410-A	4	56828-A	4	63163-A	2	73040-A	4
46090-A	1	48340-A	1	49411-A	4	56840-A	4	63476-A	2	73060-A	4
46210-A	4	48400-A	1	49413-A	4	★56841	4	63477-A	2	73080-A	4
46280-A	4	48410-A	1	49414-A	4	57000-A	4	64300-A	1	73100-A	4
46320-A	4	48920-A	4	49415-A	4	57120-A	4	64301-A	1	73120-A	4
46330-A	1	48921-A	4	49420-A	4	57157-A	4	64302-A	1	73122-A	4
46340-A	4	48970-A	4	49430-A	4	57158-A	4	68090-A	4	73140-A	4
46341-A	4	48980-A	4	49440-A	4	57760-A	1	68095-A	4	73142-A	4
46350-A	4	49010-A	4	49443-A	4	57762-A	1	68096-A	4	73144-A	4
46360-A	4	49050-A	4	49445-A	4	58080-A	4	68140-A	2	73146-A	4
46361-A	4	49080-A	4	49450-A	1	58081-A	4	68142-A	2	★73150	4
46390-A	4	49090-A	4	49680-A	1	58350-A	2	68144-A	2	★73151	4
46420-A	4	49095-A	4	50060-A	2	58351-A	2	68220-A	4	73220-B	2
★46421	4	49100-A	4	50225-A	2	58730-A	1	68940-A	4	73225-A	2
46430-A	4	49110-A	4	50315-A	1	58920-A	2	69083-A	1	73238-B	4
46610-A	1	49130-A	4	50340-A	1	59040-A	1	★69295	4	73250-A	2
46660-A	4	49140-A	4	50755-A	4	59250-A	1	69300-A	4	73260-A	4
46715-A	4	49150-A	4	50757-A	4	60260-A	4	69302-A	4	73261-A	4
46717-A	4	49152-A	4	50759-A	4	61065-A	4	69320-A	4	★73705	1
46720-A	4	49160-B	4	50920-A	4	61110-A	4	69340-A	4	73710-A	1
46750-A	4	49162-B	4	51035-A	4	61111-A	4	69350-A	4	73770-A	1
46810-A	4	49170-A	4	51036-A	4	★61112	4	69360-A	4	73810-A	2
46820-A	4	49172-A	4	51045-A	4	★61113	4	69370-A	4	73820-A	2
46840-A	4	49180-A	4	51046-A	4	★61114	4	69372-A	4	73840-A	2
46910-A	4	49190-A	4	★52880	1	61370-A	1	69380-A	4	74120-A	2
46940-A	4	49200-A	4	★52881	1	★61550	1	69390-B	4	★74190	1
46980-A	4	49205-A	4	52890-A	1	61552-A	1	69400-A	4	★74191	1
46990-A	4	49206-A	4	52895-A	1	61553-A	1	69414-A	4	74740-A	1
46992-A	4	49208-A	4	52896-A	1	61555-A	1	69420-A	4	74840-A	1
47030-A	4	49210-B	4	52900-A	1	61556-A	1	69422-A	4	75490-A	2
47040-A	4	49212-B	4	52901-A	1	61700-A	4	69423-A	4	75960-A	4

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75980-A	4	83342-A	4	100560-A	2	116038-A	1	137420-A	4	154418-A	1
76580-A	4	83370-A	1	★101050	2	★116039	1	137440-A	4	154570-A	1
76581-A	4	83440-A	2	101060-A	2	116380-A	4	137452-A	4	155060-A	2
76850-A	1	83445-A	2	101080-A	2	119650-A	4	137456-A	4	155126-A	1
76852-A	1	83447-A	2	101200-A	4	124065-A	4	138360-A	2	155250-A	1
79000-A	4	83940-A	4	101201-A	4	124125-A	4	138620-A	2	155252-A	1
79022-A	4	85890-A	4	101425-A	1	124145-A	4	138720-A	2	155255-A	1
79023-A	4	85891-A	4	101720-A	1	124146-A	4	139020-A	1	155460-A	1
79024-A	4	86500-A	2	101721-A	1	124185-A	4	139160-A	1	156300-A	1
79026-A	4	86512-A	2	★101722	1	124186-A	4	139165-B	2	156302-A	1
79030-A	4	86516-A	2	101740-A	1	★124190	4	139166-B	2	156303-A	1
79031-A	4	86522-A	2	101741-A	1	★124191	4	139167-B	2	156304-A	1
79032-A	4	86540-A	4	★101742	1	124540-A	1	139240-A	1	★156305	1
79085-A	2	86630-B	4	★101743	1	124670-A	4	139420-A	1	156600-A	1
79087-A	2	86631-B	4	★101744	1	125380-A	4	139421-A	1	156602-A	1
79720-A	4	86632-B	4	★101745	1	125850-A	4	139830-A	1	156603-A	1
79740-A	4	86700-A	2	103080-A	4	125851-A	4	139860-A	1	156604-A	1
79741-A	4	86701-A	2	103110-A	1	125852-A	4	139880-A	1	156830-A	4
79742-A	4	86702-A	2	103300-A	4	125853-A	4	139975-A	1	156831-A	4
79744-A	4	★86703	2	103301-A	4	126060-A	4	140780-A	1	156832-A	4
★79970	2	★86704	2	105545-A	4	126181-A	4	140820-A	1	156834-A	4
80985-A	4	86960-A	2	108640-A	4	127630-A	4	141080-A	1	156855-A	1
81000-A	4	86966-A	2	109700-A	2	127631-A	4	141100-A	1	157213-A	2
81002-A	4	87700-A	4	109701-A	2	128020-A	4	142480-A	1	157215-A	2
81003-A	4	87810-B	2	109702-A	2	128021-A	4	143210-A	1	157320-A	1
81005-A	4	87811-B	2	109703-A	2	128022-A	4	143590-A	1	★157321	1
81008-A	4	87812-B	2	109704-A	2	★129060	4	144640-A	1	★157322	1
81020-A	4	87813-B	2	109705-A	2	★130355	4	144700-A	2	157342-A	1
81040-B	4	87814-B	2	109706-A	2	130700-A	4	144920-A	2	157344-A	1
81042-B	4	88020-A	4	110760-A	4	130730-A	4	145000-A	1	157346-A	1
81060-B	4	88160-B	4	111290-A	1	131350-A	4	145355-A	1	158880-A	2
81360-A	2	88161-B	4	111640-A	4	131680-A	4	147810-A	1	158881-A	2
81380-A	1	88420-A	2	111820-A	2	132600-A	1	149030-A	1	158882-A	2
82270-C	4	88820-A	4	112310-A	2	133250-A	4	149031-A	1	★158883	2
82271-C	4	89330-A	2	112321-A	2	133520-A	1	149580-A	1	158905-A	2
82340-A	2	89370-A	2	112440-A	4	133940-A	2	149590-A	1	158906-A	2
82360-A	1	89430-A	4	112680-A	4	133941-A	2	150110-A	2	158907-A	2
82750-A	4	89432-A	4	★114390	4	133942-A	2	150780-A	1	158908-A	2
82751-A	4	89450-A	4	★114391	4	134430-A	2	150782-A	1	158950-A	1
82772-A	2	89452-A	4	114440-A	4	134472-A	1	150784-A	1	159505-A	2
82845-A	2	89650-A	4	114820-A	4	134530-A	1	152720-A	1	159506-A	2
82847-A	2	91160-A	4	114822-A	4	134534-A	1	153360-A	1	159510-A	2
82850-A	2	91240-A	4	116030-A	1	134536-A	1	153380-A	1	159511-A	2
82870-A	2	91480-A	4	116031-A	1	135910-A	1	153400-A	1	160290-A	1
★82871	2	93640-A	4	116033-A	1	136040-A	2	153980-A	1	161050-A	1
82890-A	2	98530-A	4	116034-A	1	136220-A	4	154060-A	1	161720-A	1
82900-A	2	99060-A	4	116035-A	1	136470-A	1	154180-A	1	162160-A	1
83270-B	4	99090-A	4	116036-A	1	137380-A	2	154415-A	1	162320-A	1
83340-A	4	100520-A	1	116037-A	1	137400-A	4	154416-A	1	162370-A	1

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162430-A	1	176500-A	1	190460-A	2	196956-A	2	1060	1	2058	4
162610-A	1	176540-A	2	190462-A	2	196957-A	2	1093	1	2060	1
162630-A	1	176960-A	2	191710-A	4	196958-A	2	1109	1	2067	4
162660-A	1	177670-A	4	192030-A	2	197599-A	2	1118	1	2068	4
162740-A	1	177674-A	4	192420-A	2	198450-A	2	1135	1	2081	4
162742-A	1	177680-A	4	192775-A	2	198460-A	2	1195	1	2083	4
164390-A	4	177682-A	4	192776-A	2	199290-A	2	1205	1	2088	4
164393-A	4	177684-A	4	192777-A	2	200010-A	2	1214	1	2089	4
164394-A	4	178090-A	2	192810-A	2	200280-A	4	1235	1	2092	4
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ⓅAbrasives - as listed	1050	ⓅBurlap, gunny, ixtle (istle), jute or sisal, dyed not more than one color, rolled	48980	ⓅWood and wire combined, NOI, SU	22190
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ⓅAmmonium Biborate	42970	Baskets:		ⓅLaundry, dry, NOI	24080
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ⓅAmmonium Carbonate	42990	ⓅDish draining, rubber- or plastic-covered wire, with built-in racks	22660	ⓅBleach, wood, liquid, NOI	149570
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ⓅAmmonium Nitrate and Sodium Nitrate Mixture	43040	ⓅFood packaging, plastic, latticed construction, capacity not exceeding 2 quarts or 116 cubic inches	22210	ⓅSanding	1050
ⓅAmmonium Nitrate, Magnesia and Pulp Mixture	43030	ⓅIndustrial material parts handling, wire, wire and expanded metal or wire and perforated metal	22220	ⓅSanding, expanded plastic or rubber with abrasive surface(s)	1150
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G		Hampers: (Cont'd)		K	
Ⓟ Gauze, cotton	49443	Ⓟ Refrigerator	22600	Kits:	
Glass:		Ⓟ Shipping, plastic, steel or wood reinforced	22605	Ⓟ Medical training aid	56825
Ⓟ Horse trailer, cut to size and shape	86630	Ⓟ Wheeled, hand, with cloth bodies	189680	L	
Ⓟ Recreational vehicle (RV), cut to size and shape	86630	Ⓟ Wire, NOI	22640	Ⓟ Lace, cotton	49443
Ⓟ Travel trailer, cut to size and shape	86630	Ⓟ Wood and wire combined, NOI, SU	22190	Ⓟ Lace, other than cotton	49445
Ⓟ Glue Stock, bacon skins or rinds, fleshings, hide trimmings, horn pith, pizzles, sinews or nonedible pigs feet, dry or green	88820	Hampers, NOI, including Clothes Hampers	22260	Ⓟ Lacing, leather	108640
Glycerine:		Hampers, wheeled, hand, with cloth bodies	189680	Lathing:	
Ⓟ Crude, other than spent lye	44590	Headboards, bed, metal or wood	82270	Ⓟ Copper, expanded	34850
Ⓟ Crude (Spent Lye), concentrated	44590	Heaters:		Ⓟ Iron or steel, NOI	105640
Ⓟ Crude (Spent Lye), not concentrated	44600	Ⓟ Fireplace air, and ventilators combined	69370	Ⓟ Steel and paper combined, NOI	34850
Ⓟ Other than crude	44610	Ⓟ Street surface	98530	Ⓟ Zinc, expanded	34850
Ⓟ Glycols	44620	Ⓟ Tool	98530	Ⓟ Lathing, iron or steel, NOI	105640
Goods:		Ⓟ Hernia Belts	56828	Ⓟ Laundry Centers, household	124190
Ⓞ Dry, NOI	49260	Ⓟ Hexylene Glycol	44620	Ⓟ Lead Oleate	44900
Ⓟ Leno, cotton	49443	Hides:		Ⓟ Lead Resinate	44930
Ⓟ Piece, natural or synthetic fiber, knit or woven, NOI	49265	Ⓟ Cattle, not dressed nor tanned, dry	99060	Ⓟ Lead Silicate	44940
Grain(s):		Ⓟ Cattle, not dressed nor tanned, pickled or raw splits	99090	Ⓟ Leather Scrap, for fertilizer	110760
Ⓟ Abrasive	1050	Ⓟ Horse, not dressed nor tanned, dry	99060	Ⓟ Leno Goods, cotton	49443
Ⓟ Abrasive material	1020	Ⓟ Horse, not dressed nor tanned, pickled or raw splits	99090	Ⓟ Lime, chlorinated	44970
Grills:		Ⓟ Mule, not dressed nor tanned, dry	99060	Ⓟ Lime Water	45020
Ⓟ Electric, with integral heating elements	61065	Holders:		Ⓟ Lime-Nitrogen	43750
Ⓟ Indoor type, electric or gas, with integral heating elements in tops or in tops and bottoms	26720	Ⓟ Fireplace wood, metal	69460	Liquor(s):	
Grindings:		Ⓟ Firewood	164390	Ⓟ Ammonium thiocyanate (ammonium sulfocyanate)	43130
Ⓞ Abrasive wheel	1050	Hoop(s):		Ⓟ Iron	44680
Grits:		Ⓟ Band saw wheel tire, reinforcement, iron or steel	105545	Ⓟ Potassium cyanide	45760
Ⓟ Bakers' or brewers'	89530	Ⓟ Wooden, coiled	112680	Ⓟ Litharge	111640, 195160
Ⓟ Cottonseed or soybean	73120	Hot Chocolate or Hot Cocoa Mixes	73260	Ⓟ Litharge, spent	195160
Ⓟ NOI	89550	Housings:		Logs:	
Ⓟ Grits, bakers' or brewers'	89530	Ⓟ Electrical apparatus, metal, NOI	61110	Ⓟ Vessel navigating	25020
Ⓟ Grits, NOI	89550	Ⓟ Electrical apparatus, steel, NOI	61110	Lump(s):	
Guards:		Ⓟ Hydroxy Acetic Acid	44645	Ⓞ Abrasive material	1050
Ⓟ Fireplace, brass	69350	Ⓟ Hydroxy Acetic Acid, not required by DOT to bear a Hazard Class or Hazard Division label or placard	44645	Ⓟ Lye, spent	44590, 44600
Ⓟ Fireplace, iron or steel	69360	I		M	
Ⓟ Fireplace, NOI	69420	Ⓟ Indigo	44650, 44660	Machinery or Machines:	
Gum(s):		Insulation:		Ⓟ Dough deposit, forming or make-up	114390
Ⓟ Amber	91160	Ⓟ Calcium silicate	103300	Ⓟ Dough working	114440
Ⓟ Camphor	91240	Ⓟ Calcium silicate and fiber combined	103080	Ⓟ Drying and washing combined, household laundry	124125
Ⓟ Olibanum	91480	Ⓟ Iron Acetate	44680	Ⓟ Drying, household laundry	124065
H		Ⓟ Iron Carbonate	44700	Ⓟ Drying, or drying and washing combined, household laundry	124190
Ⓟ Halogenated Monomethyldiphenyl-Methanes	44625	Ⓟ Iron Chloride (Iron Muriate), dry	44710	Ⓟ Portable sawmill	129060
Hampers:		Ⓟ Iron Chloride (Iron Muriate), other than crude, liquid	44720	Ⓟ Sawmill, portable	129060
Ⓟ Bread shipping, wood or steel and wood	22430	Ⓟ Iron Liquor	44680	Ⓟ Track laying	131680
Ⓟ Canvas, with metal or wood frames, covers or bottoms	22450	Ⓟ Iron Nitrate	44760	Ⓟ Washing and drying combined, household laundry	124125
Ⓟ Clothes	22260	Ⓟ Iron Sulfate (Copperas)	44820	Ⓟ Washing, household laundry	124185
Ⓟ Collapsed cloth or plastic bodies and detached folded stands or frames	22200	Ⓟ Iron Sulfate, crude, dry, soluble iron content not exceeding 25% by weight	44790	Ⓟ Washing, or washing and drying combined, household laundry	124190
Ⓟ Dish draining, rubber- or plastic-covered wire, with built-in racks	22660	Ⓟ Iron Sulfate, dry	44800	Ⓟ Wood sawing, portable, NOI	133250
Ⓟ Expanded metal, NOI	22640	Ⓟ Iron Sulfate, other than dry (Ferric Sulfate Solution)	44810	Magnesia, Ammonium Nitrate and Pulp Mixture	43030
Ⓟ Fiberboard, NOI, without wooden frames	22500	Ⓟ Iron Sulfide	44830	Magnesia, Ammonium Nitrate and Pulp Mixture, not required by DOT to bear a Hazard Class or Hazard Division label or placard	43030
Ⓟ Laundry shipping, wood or steel and wood	22430	Iron(s):		Ⓟ Magnesium Fluosilicate	45060
Ⓟ NOI	22260	Ⓟ Waffle, electric or gas	26720	Ⓟ Magnesium Silicofluoride	45060
Ⓟ Paperboard or pulpboard, NOI, without wooden frames	22500	Ⓟ Waffle, electric, with integral heating elements	61065	Ⓟ Manganese Borate	45170
		Ⓟ Isophthalic Acid	45613	Ⓟ Manganese Chloride (Manganese Muriate)	45175
		Ⓟ Isopropylidene Bisphenol	44865	Ⓟ Manganese Phosphate	45180
		J		Ⓟ Mantels and Fireplaces combined, cast stone, without hearth or with hearth detached	69380
		Ⓟ Jardinieres, NOI	22260	Ⓟ Marquissette, cotton	49443

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Material(s):		ⓑNickel Salts, NOI.....	45420	ⓑPhthalic Anhydride, with .05% or less maleic anhydride.....	45613
ⒶAbrasive, consisting chiefly of aluminum oxide or silicon carbide.....	1050	ⓑNickel Sulfate.....	45430	ⓑPiece Goods, natural or synthetic fiber, knit or woven, NOI.....	49265
ⓑAbrasive, natural or synthetic, consisting chiefly of aluminum oxide or silicon carbide.....	1020	ⒶNitrate of Soda-potash.....	46420	Pieces:	
ⒶInsulating, calcium silicate.....	103300	ⒶNitrate of Soda-potash, not required by DOT to bear a Hazard Class or Hazard Division label or placard.....	46420	ⓐClothing, NOI, cut to size.....	49260
ⓑInsulating, calcium silicate and fiber combined.....	103080	ⓑNitro-carbo-nitrate.....	45440	ⓑPile Fabric, natural or synthetic fiber, knit or woven, NOI.....	49265
ⓑRoad surface adhesion preventing... ..	35030	ⓑNitrogen, lime.....	43750	ⓐPillow Shams, NOI.....	49260
Meal:		ⓑNutcrackers:		ⓐPillowcases, cloth or fabric, NOI.....	49260
ⓐCorn.....	73150	ⓑIn the form of figures or images.....	56290	Pipe(s):	
ⓑCorn, edible, NOI.....	73140	ⓑNOI, other than in the form of figures or images.....	101200	ⓑChimney, metal, with 2 or more other chimney components.....	50755
ⓑCottonseed.....	73120	ⓑSteel.....	101205	ⓑSmoke flue, metal, with 2 or more other smoke flue components.....	50755
ⒶNOI.....	73150	ⒶNutcrackers, in the form of figures or images.....	56290	Plates:	
ⓑPress cake, almond, apricot or peach kernel.....	71420	ⒶNutcrackers, steel.....	101205	ⓑBoot, iron or steel, other than card mounted or blister packed.....	28450
ⓑSoybean.....	73120	ⓑNutmicks, NOI.....	101200	ⓑOil cake press, iron or steel.....	126060
ⓑMethallyl Chloride.....	45240			ⓑShoe, iron or steel, other than card mounted or blister packed.....	28450
ⓑMethoxy Polyethylene Glycol.....	44620	O		ⓑPlush Fabric, natural or synthetic fiber, knit or woven, NOI.....	49265
ⓑMethyl Glucoside.....	45295	ⓑOrthonitrotoluol.....	46980	ⓑPolychlorinated Biphenyls (PCBs).....	44625
ⓑ2-Methyl-2,4-Pentenediol.....	44620			ⓑPolyethylene Glycol.....	44620
Mix(es):		P		ⓑPolyglycol.....	44620
ⒶBaking, NOI.....	73150	Pads:		ⓑPolyhalogenated Biphenyls or Polyhalogenated Terphenyls.....	44625
ⒶBatter, NOI.....	73150	ⒶSanding.....	1050	ⓑPolypropylene Glycol.....	44620
ⒶBread.....	73150	ⓑSanding, expanded plastic or rubber with abrasive surface(s).....	1150	ⓑPotash Salts, NOI.....	45870
ⓑBread, brownie or cake.....	73140	ⒶPancake Mixes.....	73150	ⒶPotash Salts, NOI, not required by DOT to bear a Hazard Class or Hazard Division label or placard.....	45870
ⒶBreeding, NOI.....	73150	ⓑPaper and Cellulose Film, laminated and waxed.....	49250	ⓑPotash Salts, tobacco.....	45950
ⒶBrownie or cake.....	73150	Paper(s):		ⓑPotash, wood, crude.....	45860
ⒶCoating, NOI.....	73150	ⒶAbrasive.....	1050	ⒶPotassium Alkali Salts, crude, dry, not required by DOT to bear a Hazard Class or Hazard Division label or placard.....	45660
ⒶCookie.....	73150	ⓑAbrasive, other than belts.....	1100	ⓑPotassium Borate.....	45700
ⒶHot chocolate or hot cocoa.....	73260	ⒶEmery.....	1050	ⓑPotassium Bromide.....	45710
ⓑMuffin.....	73140	ⓑEmery, other than belts.....	1100	ⓑPotassium Carbonate.....	45720
ⒶMuffin or pancake.....	73150	ⓑParadichlorobenzene.....	46990	ⒶPotassium Carbonate, not required by DOT to bear a Hazard Class or Hazard Division label or placard.....	45720
ⒶWaffle.....	73150	ⓑParadichlorobenzol.....	46990	ⓑPotassium Cyanide Liquor.....	45760
Mixture(s):		ⓑParaphenyl Phenol.....	45480	ⓑPotassium Prussiate.....	45880
ⓑAmmonium nitrate and sodium nitrate.....	43040	Parts:		ⓑPotassium Salts, NOI.....	45870
ⓑAmmonium nitrate, magnesia and pulp.....	43030	ⓑChair, wooden, finished - mixed packages.....	83340	ⒶPotassium Salts, NOI, not required by DOT to bear a Hazard Class or Hazard Division label or placard.....	45870
ⒶAmmonium nitrate, magnesia and pulp, not required by DOT to bear a Hazard Class or Hazard Division label or placard.....	43030	ⓐClothing, NOI, cut to size.....	49260	ⓑPotassium Sulfide (Sulfuret of Potash).....	45930
ⓑNitrate-sulfur, sodium.....	46430	ⓑFirearm.....	69300	Powder(s):	
ⓑSodium nitrate and ammonium nitrate.....	43040	ⒶFirearm, NOI.....	69295	ⓑBleaching, NOI.....	44970
ⓑMonoethanolamine.....	45330	ⓑHousehold laundry machine, metal, mixed.....	124145	ⓑBeverage, malt or milk and chocolate or cocoa compound.....	73238
ⓑMononitrotoluol, other than dry.....	46940	ⓑHousehold washer (washing machine), NOI, other than metal... ..	124185	ⓑPropylene Dichloride.....	46000
ⓐMuffin Mixes.....	73150	ⓑLaundry machine, household, metal, mixed.....	124145	ⓑPropylene Glycol.....	44620
ⓑMuriate of Ammonia.....	43000	ⓑStool, wooden, finished - mixed packages.....	83340	ⓑPulp, Ammonium Nitrate and Magnesia Mixture.....	43030
N		ⓑWasher (washing machine), household laundry, NOI, other than metal.....	124185	ⒶPulp, Ammonium Nitrate and Magnesia Mixture, not required by DOT to bear a Hazard Class or Hazard Division label or placard.....	43030
Napkins:		ⓑPCBs (Polychlorinated Biphenyls).....	44625	Pumps:	
ⓐTable, cloth or fabric.....	49260	ⓑPearlash.....	45720	ⒶBreast.....	56840
ⓑNeckyokes, wooden, in the rough....	112440	ⒶPearlash, not required by DOT to bear a Hazard Class or Hazard Division label or placard.....	45720	ⓑPressure.....	56840
ⓑNeopentyl Glycol.....	44620	Pelts:		ⒶPressure, dental or medical.....	56840
ⓑNet, cotton.....	49443	ⓑCattle, not dressed nor tanned, dry... ..	99060	ⓑSuction.....	56840
ⓑNetting:		ⓑCattle, not dressed nor tanned, pickled or raw splits.....	99090	ⒶSuction, dental or medical.....	56840
ⓑCotton.....	49443	ⓑHorse, not dressed nor tanned, dry ..	99060		
ⓑCotton and cellulose film combined ..	49240	ⓑHorse, not dressed nor tanned, pickled or raw splits.....	99090		
ⓑHay baling or binding, plastic.....	9910	ⓑMule, not dressed nor tanned, dry ..	99060		
ⓑPlastic or rubber, in tubular form, collapsed.....	156960	ⓑPerchloroethylene.....	45510		
ⒶNetting, hay baling or binding, plastic.....	9910	ⓑPhosphorus, crude, yellow and red mixed.....	45550		
ⒶNetting, plastic or rubber, in tubular form, collapsed.....	156960	ⓑPhosphorus, NOI.....	45560		
ⓑNickel Ammonium Sulfate.....	45370	ⓑPhosphorus Pentasulfide, dry.....	45600		
ⓑNickel Carbonate.....	45380				
ⓑNickel Chloride.....	45390				
ⓑNickel Oxide.....	45400				

Only participants in the NMFC at the time the transportation occurs may use the provisions herein.

For explanation of abbreviations and reference marks, see last page of this Supplement. ©NMFTA 2022

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Article	Item	Article	Item	Article	Item
Pyroxylin:		Screens:		Solvent(s): (Cont'd)	
ⓑ Colloid or paste	46025	ⓑ Fireplace, brass	69350	ⓑ Ink, not required by DOT to bear a	
ⓑ Jelly	163030	ⓑ Fireplace, iron or steel	69360	Hazard Class or Hazard Division	
ⓑ Liquid	163030	Ⓐ Fireplace, NOI	69420	label or placard	101720
Pyroxylin Solutions, NOI (Liquid or		ⓑ Scrim, cotton	49443	ⓑ Paint, lacquer, varnish, gum, resin,	
Jelly Pyroxylin, including		Sets:		plastic, rubber or adhesive, not	
Collodion)	163030	ⓑ Cigar or cigarette lighter, electric	63032	required by DOT to bear a Hazard	
		ⓑ Fireplace tool	69420	Class or Hazard Division label or	
		Ⓒ Shams, pillow, NOI	49260	placard	149980
		Sheet(s):		Solvents, ink, not required by DOT	
		Ⓐ Cloth (Dry Goods), NOI	49260	to bear a Hazard Class or Hazard	
		ⓑ Cloth (Dry Goods or Textiles), NOI	49390	Division label or placard	101720
		Ⓐ Fabric (Dry Goods), NOI	49260	Sponges:	
		ⓑ Fabric (Dry Goods or Textiles), NOI	49390	Ⓐ Sanding	1050
		Shot:		ⓑ Sanding, expanded plastic or rubber	
		ⓑ Britannia metal	136220	with abrasive surface(s)	1150
		Silica and Phosphoric Acid		Sprayers:	
		combined	45530	ⓑ Hand held or hand operated	177670
		ⓑ Silicon Chloride	46060	Ⓐ Handheld or hand operated	177670
		ⓑ Single Nickel Salts	45430	Spreaders:	
		ⓑ Singletrees, wooden, in the rough	112440	Ⓐ Salt or sand, vehicle mounting	130355
		Skins:		Stock(s):	
		ⓑ Cattle, not dressed nor tanned, dry	99060	ⓑ Glue, bacon skins or rinds,	
		ⓑ Cattle, not dressed nor tanned,		fleshings, hide trimmings, horn	
		pickled or raw splits	99090	pith, pizzles, sinews or nonedible	
		ⓑ Horse, not dressed nor tanned, dry	99060	pigs feet, dry or green	88820
		ⓑ Horse, not dressed nor tanned,		Strip(s):	
		pickled or raw splits	99090	ⓑ Cloth, gummed	49206
		ⓑ Mule, not dressed nor tanned, dry	99060	ⓑ Strontium Bromide	46720
		ⓑ Soda (Alkali) Residue, other than		Ⓒ Stubs, abrasive wheel	1050
		liquid	46070	ⓑ Styrene	46750
		ⓑ Sodium Chromate, other than dry		Substitute(s):	
		(Sodium Chromate Solution)	46280	ⓑ Whiting	43710
		ⓑ Sodium Diacetate	46320	ⓑ Sulfuret of Potash	45930
		ⓑ Sodium Fluoride, not required by		Supports:	
		DOT to bear a Hazard Class or		ⓑ Children's sled, iron, nested	93640
		Hazard Division label or placard	46340		
		ⓑ Sodium Formate	46350		
		ⓑ Sodium Hydrosulfate or Sodium			
		Hydrosulfide, not required by DOT			
		to bear a Hazard Class or Hazard			
		Division label or placard	46360		
		ⓑ Sodium Hyposulfite	46390		
		ⓑ Sodium Nitrate and Ammonium			
		Nitrate Mixture	43040		
		ⓑ Sodium Sulfocyanate Crystals	46660		
		ⓑ Sodium Sulfhydrate, not required by			
		DOT to bear a Hazard Class or			
		Hazard Division label or placard	46360		
		ⓑ Sodium Thiocyanate Crystals	46660		
		Solution(s):			
		ⓑ Acid, containing dissolved gold,			
		silver, platinum, palladium or			
		metals of the platinum group	43980		
		ⓑ Ammonium thiosulfate	43140		
		ⓑ Blood analysis	46715		
		ⓑ Chrome chloride	43990		
		ⓑ Chrome sulfate	44000		
		ⓑ Copper plating	46717		
		ⓑ Ferric sulfate	44810		
		ⓑ Nickel plating	45410		
		ⓑ Sodium butyrate	46210		
		ⓑ Sodium chromate	46280		
		ⓑ Tear gas	47030		
		Ⓐ Solvent, paint, lacquer, varnish,			
		gum, resin, plastic, rubber or			
		adhesive, not required by DOT to			
		bear a Hazard Class or Hazard			
		Division label or placard	149980		
		ⓑ Solvent(s):			
		ⓑ Coal tar naphtha	46840		

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Article	Item	Article	Item	Article	Item
ⓅTriethanolamine	45330	V		ⓅWire and cotton cloth combined	49100
ⓅTriethylene Glycol	44620	Y			
Trusses:		ⓅVelour, Velvet or Velveteen, natural or synthetic fiber, knit or woven	49265	Yarn(s):	
ⒶMedical.....	56828	ⓅVentilators and Fireplace Air Heaters combined, iron	69370	ⓅCellulose sponge coated	200300
ⒸSurgical.....	56828	ⓅVerdigris	44090	ⓅCoconut husk (cocoa or coir)	200320
Tubing:		ⓅVoile, cotton	49443	ⓅCotton and synthetic fiber blended, NOI, other than in skeins, balls, hanks or on cards.....	200430
ⒶAutomobile crankcase breather or ventilator, gasoline tank filler, exhaust, oil filler or strainer suction, or radiator outlet, steel, copper plate or terne plate.....	125850	W		ⓅCotton mop.....	200340
ⓅAutomobile, steel, copper plate or terne plate	125850	ⒶWaffle Irons, electric or gas.....	26720	ⓅCotton, NOI, other than in skeins, balls, hanks or on cards.....	200380
ⓅCrankcase breather or ventilator, automobile, steel, copper plate or terne plate	125850	ⒶWaffle Mixes	73150	ⓅJute	200400
ⓅExhaust, automobile, steel, copper plate or terne plate	125850	Wagons:		ⒸNOI	200420
ⓅGasoline tank filler, automobile, steel, copper plate or terne plate ..	125850	ⓅFire.....	98530	ⓅSynthetic fiber, NOI, other than in skeins, balls, hanks or on cards....	200430
ⓅOil filler or oil strainer suction, automobile, steel, copper plate or terne plate	125850	ⓅWashcloths, cloth or fabric, NOI	49260	Z	
ⓅRadiator outlet, automobile, steel, copper plate or terne plate.....	125850	ⓅWasher-Dryer Combinations, household laundry	124190	ⓅZinc Borate, dry	47300
ⓅTungsten Oxide	47210	Washers:		ⓅZinc Carbonate	47310
ⓅTungstic Acid	47210	ⒸHousehold laundry	124190	ⓅZinc Chloride, chromated	47320
ⓅTurkish Toweling	49265	ⓅWashing Machines, household laundry	124190	ⓅZinc Hydrosulfite.....	47360
		Water:		ⒶZinc Salts, NOI, not required by DOT to bear a Hazard Class or Hazard Division label or placard	47400
		ⓅLime	45020		
		ⓅWelsh Rarebit	73238		
		Wheels:			
		ⒸAbrasive	1050		
		ⓅPulp grinding	1020		
		ⓅWhiting Substitute	43710		

RULES

ITEM 183-C

FCDC-REGISTERED THIRD PARTY PACKAGE TESTING LABORATORIES

The package testing laboratories named below are registered with the Freight Classification Development Council and are qualified to conduct the performance test procedures detailed in Items 180 and 181. For the most up-to-date list of registered labs, please refer to the FCDC's website, www.nmfta.org/pages/FCDCRegistered.

Laboratory	Location	Contact	Phone Number
Advanced Packaging Technology Laboratories, Inc.	Wheeling, IL	Monica White	847.520.4343 x215
ANAMA Package & Container Testing Services, Inc.	Stamford, CT	Anton Cotaj	203.658.8490
Bureau Veritas Consumer Products Services Vietnam	Ho Chi Minh City, Vietnam	Ryan Nguyen	84.966.357953
★Bureau Veritas Shenzhen Company Limited	Shenzhen, Guangdong, China	Larry Ching	86.755.86000151
China Packaging Research & Test Center	Tianjin, China	Wang Qing	86.22.66237185
FedEx Services Packaging Lab	Collierville, TN	Evan Edwards	901.850.3597
Intertek Testing Service Shenzhen Limited, Guangzhou Branch	Guangzhou, Guangdong, China	Bo Wang	86.20.82139764
Intertek Testing Services Shenzhen Ltd.	Shenzhen, Guangdong, China	Carrey Wen	86.755.2602.0307
Keystone Package Testing	New Castle, PA	Scott Bischoff	724.657.9940
Multi-Wall Packaging Corp.	Danville, VA	Rob Reynolds	434.836.7802
Outlook Technical Services (Vietnam) Ltd.	Di An City, Binh Duong Province, Vietnam	Christine Nguyen	84.774.356.503
Packaging Corporation of America	Mundelein, IL	Brandon Hink	847.388.6034
Performance Testing Laboratories, LLC	Orange, CA	Mary Beth Proctor	714.957.9300
Pro-Pack Testing Laboratory, Inc.	Belleville, IL	Manuel Rosa, Jr.	618.277.1160
PT. Outlook Technical Service	Sidoarjo, Jawa Timur, Indonesia	Daud Musafar	62.31.891.7907
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch	Guangdong Province, China	Heather Meng	86.757.2280.5851
WestRock	Carol Stream, IL	Jim Rivera	630.384.5237

ITEM 680-B

PACKING OR PACKAGING—GENERAL

General

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

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

Note 2—

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

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

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

(Continued on following page)

RULES

ITEM 680-B-Continued

(c) Maximum Allowable Dimensions of Lift Truck Skids, Pallets or Platforms for 'Potentially Unstable Commodities.' For the purpose of this rule, commodities having an overall height 1.5 times or more their shortest base dimension shall be considered potentially unstable. ► To provide adequate stability, such commodities may be unitized or secured on a standard lift truck skid, pallet or platform measuring not less than 40 x 40 inches nor more than 48 x 48 inches. Alternatively, the commodities may be unitized or secured on a lift truck skid, pallet or platform having maximum dimensions as determined using the following formulas. If the lift truck skid, pallet or platform exceeds the allowable length or width, the gross weight of the handling unit will be subject to the class applicable to either the lift truck skid, pallet or platform or the commodity(ies) being shipped, whichever is higher.

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

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

OR

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

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

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

OR

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

► This paragraph does not apply when the commodity(ies) occupies 65 percent or more of the surface area of the lift truck skid, pallet or platform, in accordance with Note 2(b).

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

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

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

Carrier's Option to Accept or Refuse

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

Liquids, or Commodities that will Expand, Liquefy or Vaporize

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

Recoopering

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

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

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

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

Outer Containers (Packages) versus Inner Containers (Packages)

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

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

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

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

(Continued on following page)

RULES

ITEM 680-B-Continued**Articles Secured to Skids or to Lift Truck Skids, Pallets or Platforms, or Bundled Together**

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

Sec. 7. (b)

(1) Except as required in Paragraphs (2) and (3), articles in packages or shipping forms, as authorized in individual item descriptions, will be accepted when unitized or secured on lift truck skids, pallets or platforms meeting the requirements of Item 265. Unless otherwise provided, when in the specifications of numbered packages or in individual item descriptions articles are required to move on lift truck skids, pallets or platforms, such skids, pallets or platforms must meet the requirements of Item 265. Except where required by the applicable provisions, it is recommended that articles unitized or secured on lift truck skids, pallets or platforms not overhang the skid, pallet or platform deck.

(2) Articles in bags complying with the construction requirements for such containers, as authorized in individual item descriptions, will be accepted when unitized on lift truck skids, pallets or platforms meeting the requirements of Item 265, provided the bottom tiers of bags are placed within a fiberboard tray, with or without a separate fiberboard sleeve, on the lift truck skid, pallet or platform deck. Depth of the tray or tray and sleeve, as the case may be, must extend at least 20 inches from the lift truck skid, pallet or platform deck (see Note 5). Bags, tray and, where present, sleeve must not overhang the deck, and the entire handling unit must be secured together with plastic film and with strapping in opposing directions, at least two straps in each direction. Fiberboard protectors or a barrier sheet of fiberboard, heavy-duty Kraft paper or similar material must be used to prevent direct contact between straps and bags. See Note 6.

Note 5—When bags are stacked to a height of less than 20 inches, depth of the tray or tray and sleeve, as the case may be, must extend the full height of the bags.

Note 6—For requirements applicable to flexible intermediate bulk containers (FIBCs), see Item 280, Sec. 2.

(3) Articles in pails complying with the construction requirements for such containers, as authorized in individual item descriptions, will be accepted when unitized or secured on lift truck skids, pallets or platforms meeting the requirements of Item 265, except spacing between deck boards must not exceed ►25 percent of the pails' base diameter. Bottom tier of pails must firmly rest on deck boards or on a sheet of fiberboard or wood placed directly on the deck boards, and a fiberboard or wood sheet may be placed between each tier of pails. Pails must not overhang the deck, and bails or handles must not come into direct contact with one another. Stack height of pails must be less than 1.5 times the shortest dimension of the bottom tier of pails.

The entire handling unit must be wrapped with plastic film in a manner that secures the freight together and to the lift truck skid, pallet or platform, so as to withstand the normal rigors of the less-than-truckload environment. In lieu of plastic film, ►strapping in opposing directions must be used to secure the pails to the lift truck skid, pallet or platform, with at least two straps in each direction. When strapping is used to secure the handling unit, a fiberboard or wood sheet or cap must be placed over the top tier of pails to help prevent strapping ►and pails from shifting in transit.

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

Packing—Mixed Shipments

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

Strapping or Taping of Articles or Packages

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

Sec. 9. (b) Unless otherwise provided, article(s) or package(s) may be secured to lift truck skids, pallets or platforms with metal, plastic or synthetic fiber strapping of sufficient strength so as to withstand the normal rigors of the less-than-truckload environment. Strapping must be placed in opposing directions, with at least two straps in each direction. Additional strapping is required on handling units exceeding 48 inches in length or width. When two or more articles each ►having an overall height 3 times or more than their shortest base dimension are tendered side-by-side on the same lift truck skid, pallet or platform, at least two straps must be used around the perimeter of the articles to adequately secure them together ►so as to prevent them from moving relative to each other. Contact points that may be damaged by strapping must be protected by packing forms or other packaging materials.

Definition of 'Wrapped'

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

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

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

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

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

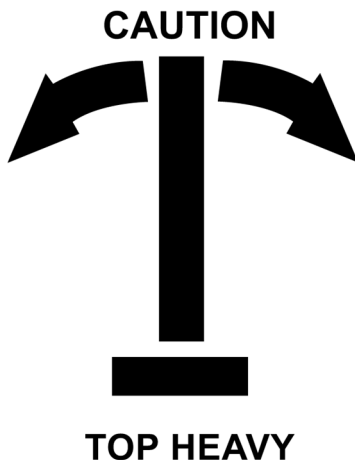
(Continued on following page)

RULES

ITEM 680-B-Continued

Top-Heavy Articles

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



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

Environmental or Event Monitors, Indicators or Recorders

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

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

Articles or Containers with Wheels or Casters

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

Where Damage to the Shipping Package Will Result in a Claim

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

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

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

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

Freight that Must be Floor-Loaded

Sec. 17. Freight that cannot be safely top-loaded or decked for transport must be so marked on at least two adjacent sides of the handling unit (see Item 682, Sec. 15). Such freight may include, but is not limited to: hazardous materials; top-heavy or unstable handling units; liquid or semi-liquid products in drums or pails; handling units consisting of articles in bags (see Item 680, Sec. 7(b)(2)); or freight in intermediate bulk containers (IBCs) that lack an integral stacking alignment or securing design feature (see Item 280).

ITEM	ARTICLE	CLASS
1010-A	ABRASIVES GROUP , etc... <input checked="" type="checkbox"/> Cancel; no further application.	
1011-A	NOTE— <input checked="" type="checkbox"/> Cancel; see item 1051.	
1020-A	Abrasives , etc... <input checked="" type="checkbox"/> Cancel; see item 1050.	
1021-A	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
1022-A	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
★1050	Abrasives , see Note, item 1051, viz.: Abrasive Belts; Abrasive Cloth or Paper , including Emery Cloth or Paper or Sandpaper; Abrasive Wheels; Bonded Abrasive Blocks; Crude or Lump; Flour or Grain; Refuse , including Broken Wheels, Wheel Stubs or Wheel Grindings; Sanding Pads, Sponges or Blocks; In bags, boxes or drums, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
★1051	NOTE—Applies only on Alundum®, corundum, emery or other natural or synthetic abrasive material consisting chiefly of aluminum oxide or silicon carbide, as well as articles made from, or having abrasive surface(s) of, such material. Alundum® is a registered trade name of Norton Company.	
1060-A	Belts , abrasive, etc... <input checked="" type="checkbox"/> Cancel; see item 1050.	
1100-A	Cloth or Paper , abrasive, including Emery Cloth or Paper or Sandpaper , other than belts, etc... <input checked="" type="checkbox"/> Cancel; see item 1050.	
1150-A	Pads, Sponges or Blocks , sanding, etc... <input checked="" type="checkbox"/> Cancel; see item 1050.	
	AGRICULTURAL IMPLEMENT PARTS GROUP: subject to item 10540	
11080-A	Housings, Shrouds or Hoods , ►in packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
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ITEM	ARTICLE	CLASS
15520-A	<p>ATHLETIC GOODS GROUP: subject to item 15500</p> <p>Athletic or Sporting Goods, viz.:</p> <p>Athletic or Sporting Goods, NOI;</p> <p>Basketball Nets;</p> <p>Blinds, hunters', with or without accessories and camouflage materials;</p> <p>Boards, water sports, NOI, see Notes, items 15523 and 15524;</p> <p>Boxes, Buckets, Cages, Canteens, Containers or Pails, live bait;</p> <p>Decoys, bird, NOI;</p> <p>Exercising or Gymnasium Apparatus or Equipment, NOI;</p> <p>►Fishing Tackle, NOI;</p> <p>Floats, Rafts or Toys, water sports, NOI, see Note, item 15524;</p> <p>Golf Mats or Platforms, NOI, with or without tees;</p> <p>Playground Apparatus, NOI, see Note, item 15525;</p> <p>Sandboxes or Wading Pools, molded plastic;</p> <p>Snowboards or Snowboard Bindings;</p> <p>Swimming Fins, Goggles, Masks, Nose Clips or Snorkels;</p> <p>Weight Lifting Benches or Athletic Utility Benches, NOI;</p> <p>In boxes or crates, see Note, item 15522, subject to Item 170 and having a density in pounds per cubic foot of:</p> <p>Sub 1 Less than 1.....</p> <p>Sub 2 1 but less than 2.....</p> <p>Sub 3 2 but less than 4.....</p> <p>Sub 4 4 but less than 6.....</p> <p>Sub 5 6 but less than 8.....</p> <p>Sub 6 8 but less than 10.....</p> <p>Sub 7 10 but less than 12.....</p> <p>Sub 8 12 but less than 15.....</p> <p>Sub 9 15 but less than 22.5.....</p> <p>Sub 10 22.5 but less than 30.....</p> <p>Sub 11 30 or greater.....</p>	<p>400</p> <p>300</p> <p>250</p> <p>175</p> <p>125</p> <p>100</p> <p>92.5</p> <p>85</p> <p>70</p> <p>65</p> <p>60</p>
△15522-A	<p>NOTE—The following departures from packing requirements are permitted:</p> <ol style="list-style-type: none"> 1. Playground apparatus may be shipped in packages. 2. Molded plastic sandboxes or wading pools may be shipped in woven plastic film bags of not less than 4 mil thickness. 3. Motorized exercise treadmills may be shipped in Package 2484. 4. Not currently used. 5. Trampolines, KD, may be shipped in packages. 	
△15523-A	<p>NOTE—Applies on products such as Bodyboards, Kickboards, Kneeboards, Paddleboards, Sailboards, with or without sails, or Surfboards, not exceeding 96 inches in greatest dimension. For provisions applicable to articles exceeding 96 inches in greatest dimension, see item 24670.</p>	
△15524-A	<p>NOTE—Applies on articles used by children or adults for play, instruction or safety.</p>	
△15525-A	<p>NOTE—Does not apply on inflatable or air-supported enclosures, structures or promotional or advertising figures or images, nor on amusements, such as games, bouncers, rides or slides for use at outdoor picnics, birthday parties, fund-raising or promotional events or other such festivities. For applicable provisions, see item 63595.</p>	
16300-A	<p>Fishing Tackle, NOI, other than plastic or rubber, etc...☒Cancel; see item 15520.</p>	
21580-A	<p>BARKS: subject to item 21500</p> <p>Hickory, not ground nor powdered, etc...☒Cancel; obsolete.</p>	
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ITEM	ARTICLE	CLASS
22150-A	BASKETS OR HAMPERS: ...☒Cancel; no further application.	
22190-A	Baskets or Hampers , wood and wire combined, NOI, SU, etc...☒Cancel; see item 22260.	
22192-A	NOTE—☒Cancel; no further application.	
22200-A	Baskets or Hampers , consisting of collapsed cloth or plastic bodies and detached folded metal stands or frames, etc...☒Cancel; see item 22260.	
22210-A	Baskets , see Note, item 22212, food packaging, plastic, of latticed construction, capacity not exceeding 2 quarts liquid measure or 116 cubic inches, etc...☒Cancel; see item 22260.	
22212-A	NOTE—☒Cancel; no further application.	
22220-A	Baskets , industrial material parts handling, wire, wire and expanded metal or wire and perforated metal, see Note, item 22222, with or without plastic coating, with or without built-in racks or holders...☒Cancel; see item 22260.	
22222-A	NOTE—☒Cancel; no further application.	
22225-A	Baskets , lunch or picnic, containing eating utensils and dishes, with or without other fittings or accessories, etc...☒Cancel; see item 22260.	
22227-A	Baskets , store display, open end, steel wire and tubular steel combined, with or without plastic coating, not nested, with or without mounting hardware, etc...☒Cancel; see item 22260.	
22230-A	Baskets , wire, KD, with plastic liners and paper bottom liner, etc...☒Cancel; see item 22260.	
22235-A	Baskets , wire, store display, open end, frame made of 1 gauge or heavier wire and lacing made of 12 gauge or heavier wire, with or without dividers, nested in nests of 12 or more, etc...☒Cancel; see item 22260.	
22240-A	Baskets , wire, with or without plastic coating, taper sided, top frame made of 3 gauge or heavier wire, sides, ends and bottom made of 12 gauge or heavier wire, or top frame made of 6 gauge or heavier wire, sides, ends and bottom of 13 gauge or heavier wire, bottom reinforced diagonally with two wires of 9 gauge or heavier, etc...☒Cancel; see item 22260.	
►22260-A	Baskets or Hampers, viz.: Baskets or Hampers , NOI; Clothes Hampers; Lunch or Picnic Baskets , see Note, item 22261; In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
★22261	NOTE—Applies on baskets with or without utensils, dishes or other accessories.	
22430-A	Bread or Laundry Shipping (Boxes) , with lock or seal covers, wood or steel and wood combined, etc...☒Cancel; see item 22260.	
22450-A	Canvas , with metal or wooden frames, covers or bottoms, etc...☒Cancel; see item 22260.	
22500-A	Fiberboard, Paperboard or Pulpboard , NOI, without wooden frames, with or without covers, etc...☒Cancel; see item 22260.	
22502-A	NOTE—☒Cancel; no further application.	
22504-A	NOTE—☒Cancel; no further application.	
22506-A	NOTE—☒Cancel; no further application.	
22600-A	Refrigerator , etc...☒Cancel; see item 22260.	
22605-A	Shipping , plastic, steel or wood reinforced, with or without covers, etc...☒Cancel; see item 22260.	
22640-A	Wire or Expanded Metal , NOI, coated or not coated with rubber or plastic, etc...☒Cancel; see item 22260.	
22642-A	NOTE—☒Cancel; no further application.	
22660-A	Wire , rubber or plastic covered, dish draining, etc...☒Cancel; see item 22260.	
23020-A	Beans , castor, etc...☒Cancel; see item 45322.	
	BOAT GROUP: subject to item 24500	
25020-A	Logs , vessel navigating, etc...☒Cancel; obsolete.	
	BOILERS, FURNACES, STOVES AND RELATED ARTICLES GROUP: subject to item 25400	
26720-A	Ovens, Ranges or Stoves, cooking, and Related Cooking Equipment , electric or gas, viz.:	
	Convection Ovens , including Air Fryers;	
	► Grills or Broilers , indoor type, with integral heating elements in tops or in tops and bottoms;	
	Hotplates;	
	Microwave Ovens;	
	Ovens , NOI;	
	Pizza Ovens;	
	Ranges , NOI;	
	Stoves , NOI, indoor type;	
	Stove tops, Cooktops or Grills , NOI, indoor type;	
	Toaster Ovens;	
	► Waffle Irons;	
	In boxes, crates or Packages 112, 131, 972, 1019, 1082, 1462 or 2260, see Note, item 26721, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 8	175
Sub 2	8 or greater	92.5

ITEM	ARTICLE	CLASS
△26721-A	NOTE—Articles weighing each greater than 110 pounds must be tendered in authorized packages secured on a lift truck skid, pallet or platform.	
28450-A	BOOT GROUP: subject to item 28120 Plates or Taps, iron or steel, with or without nails, other than card mounted or blister packed, etc...☒Cancel; obsolete.	
29395-A	BOX GROUP: subject to item 28900 Boxes: subject to item 28940 Lithograph Printing Plate, wooden, not exceeding 4½ inches in thickness, etc...☒Cancel; obsolete.	
32790-A	BROOMS GROUP: subject to item 32770 Broom Caps, iron or tin, etc...☒Cancel; obsolete.	
34850-A	BUILDING MATERIALS, MISCELLANEOUS, GROUP: subject to item 33570 Lathing, etc...☒Cancel; obsolete.	
35030-A	Material, road surface adhesion preventing, etc...☒Cancel; obsolete.	
36490-A	BUILDING METALWORK GROUP: subject to item 35600 Finials, ridge roll, steel, etc...☒Cancel; obsolete.	
36610-A	Grids, suspension ceiling, see Note, item 36611, ►in boxes:	
Sub 1	Aluminum.....	70
Sub 2	Steel.....	50
△36611-A	NOTE—Applies on mixtures of aluminum or steel angles, bars, beams, channels, furring, studding or molding comprising the essential suspension components of suspension-type ceilings, and on necessary accompanying fittings, fixtures or hardware for installation.	
★38650	Bumpers or Fenders, boat or dock, NOI, see Note, item 38651, in packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 6.....	200
Sub 2	6 but less than 15.....	100
Sub 3	15 but less than 30.....	70
Sub 4	30 or greater.....	55
★38651	NOTE—Applies on bumpers or fenders for use in marine, freight dock or warehouse applications.	
△39245-A	CABINETS, OR PARTS NAMED: subject to item 39200 Cabinets, radio, phonograph, tape player or recorder, television, amplifier or loudspeaker, NOI, separate or combined, without mechanism or electrical apparatus, see Note, item 39247:	
Sub 1	SU:	
Sub 2	Box type or portable, in Packages 3F, 5F, 25F, 829 or 1078.....	150
Sub 3	Console, in Packages 1F, 2F, 3F, 5F, 829 or 1078.....	200
Sub 4	KD, in Packages 1F, 3F or 5F.....	85
39247-A	NOTE—The terms of ►paragraphs (c) and (d) of Note, item 79022 need not be complied with.	
39410-A	Poultry Killing, KD, etc...☒Cancel; obsolete.	
42605-A	CHEMICALS GROUP: subject to item 42600 Abietic Acid, etc...☒Cancel; see items 45322 and 43940.	
42940-A	Ammonium: subject to item 42930 Bicarbonate, ►not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 42941:	
Sub 1	In inner containers in boxes.....	70
Sub 2	In bulk in drums, or Packages 351 or 2183.....	60
★42941	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
42970-A	Borate or Biborate, etc...☒Cancel; obsolete.	
42990-A	Carbonate, ►not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 42991:	
Sub 1	In inner containers in boxes.....	77.5
Sub 2	In bulk in drums.....	70
★42991	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
43000-A	Chloride (Muriate of Ammonia or Sal Ammoniac), etc...☒Cancel; see item 45322.	
43030-A	Nitrate, Magnesia and Pulp Mixture, ►not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 43031, in drums.....	70
★43031	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
43040-A	Nitrate, Sodium Nitrate Mixture, etc...☒Cancel; obsolete.	
43090-A	► Sulfate, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 43091:	
Sub 1	In inner containers in boxes.....	65
Sub 2	In bulk in bags or drums.....	50
★43091	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
43110-A	Sulfide, dry, etc...☒Cancel; obsolete.	
43130-A	Thiocyanate (Ammonium Sulfocyanate) Liquor, etc...☒Cancel; obsolete.	
43140-A	Thiosulfate Solution, etc...☒Cancel; obsolete.	
43150-A	Thiocyanate Crystals (Ammonium Sulfocyanate Crystals), etc...☒Cancel; obsolete.	

ITEM	ARTICLE	CLASS
	CHEMICALS GROUP: subject to item 42600	
43200-A	Antimony Crocus , etc...☒Cancel; obsolete.	
43210-A	Antimony Lactate , etc...☒Cancel; see item 45615.	
	Barium: subject to item 43300	
43310-A	Aluminate , etc...☒Cancel; obsolete.	
43350-A	Chloride , etc...☒Cancel; see item 45615.	
43370-A	Fluoride , etc...☒Cancel; obsolete.	
43380-A	Hydrate , etc...☒Cancel; obsolete.	
43415-A	Stearate , etc...☒Cancel; obsolete.	
43450-A	Sulfide , etc...☒Cancel; obsolete.	
43500-A	Beverage Stabilizing or Chillproofing Compounds , etc...☒Cancel; obsolete.	
43560-A	Bromine Salts , crude, NOI, for treating ores, etc...☒Cancel; obsolete.	
43565-A	☉ Butadiene , etc...☒Cancel; see item 85890.	
43580-A	Butyl Lactate , etc...☒Cancel; obsolete.	
43590-A	Butyl Stearate , etc...☒Cancel; obsolete.	
43610-A	Cadmium Salts , NOI, etc...☒Cancel; obsolete.	
	Calcium: subject to item 43620	
43640-A	Aconitate , etc...☒Cancel; obsolete.	
43650-A	☉ Bisulfite , etc...☒Cancel; obsolete.	
43660-A	Bromide , etc...☒Cancel; obsolete.	
43680-A	☉ Calcium or Lime Salts , NOI, etc...☒Cancel; obsolete.	
43690-A	☉ Carbide , etc...☒Cancel; see item 44515.	
43692-A	NOTE—☒Cancel; no further application.	
43710-A	Carbonate , recarbonated waste (Whiting Substitute), etc...☒Cancel; obsolete.	
43750-A	☉ Cyanamide (Lime-Nitrogen) , etc...☒Cancel; see item 44155.	
43780-A	Molybdate , etc...☒Cancel; obsolete.	
43860-A	Sulfite , etc...☒Cancel; obsolete.	
43870-A	Carbo-nitrate , etc...☒Cancel; obsolete.	
43920-A	Chalk , crude, etc...☒Cancel; obsolete.	
43940-B	☉ Chemicals , NOI, see Note, item 43942:	
Sub 1	▶ In glass carboys.....	100
Sub 2	In bags, boxes, drums or Packages 2258, 2456 or 2499.....	85
△43942-B	NOTE—Also applies on accompanying accessorial bleeding sets or holders with or without needles attached. The total weight of such named accessorial articles must not exceed 10 percent of the weight upon which charges are assessed.	
43944-A	☉ Chemicals , phosphoric, etc...☒Cancel; see item 44515.	
43946-A	NOTE—☒Cancel; no further application.	
43950-A	☉ Chloracetophenone , etc...☒Cancel; see item 45615.	
43980-A	☉ Chloroplatinic Acid; or Acid Compounds or Solutions containing dissolved gold, silver, platinum, palladium, or metals of the platinum group, etc...☒Cancel; see item 44155.	
43990-A	☉ Chrome Chloride Solution , etc...☒Cancel; see item 44155.	
44000-A	Chrome Sulfate Solution , etc...☒Cancel; obsolete.	
44010-A	Chromium Acetate , etc...☒Cancel; obsolete.	
44020-A	☉ Chromium Resinate , etc...☒Cancel; obsolete.	
44030-B	Chromium Sulfate , basic, dry, etc...☒Cancel; obsolete.	
44060-A	Cobalt Salts , NOI, etc...☒Cancel; obsolete.	
44070-A	Cobalt Sulfate , etc...☒Cancel; see item 45322.	
44080-A	Compounds , plastic or rubber blowing or expanding, dry, ▶not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 44081, in paper lined burlap bags or in boxes or drums	70
★44081	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
44090-A	Copper Acetate (Verdigris) , etc...☒Cancel; see item 45322.	
44100-A	Copper Carbonate , etc...☒Cancel; obsolete.	
44110-A	Copper Oleate , etc...☒Cancel; obsolete.	
44120-A	Copper Oxide , etc...☒Cancel; obsolete.	
44122-A	NOTE—☒Cancel; no further application.	
44130-A	Copper Oxide , NOI, ▶not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 44131, in boxes, drums or five-ply paper bags.....	70
★44131	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
44140-A	☉ Copper Resinate , etc...☒Cancel; see item 44500.	
44150-B	☉ Copper Sulfate (Blue Vitriol) , etc...☒Cancel; see item 45322.	
△44155-A	☉ Corrosive Materials , NOI, see Note, item 44156, in U.S. DOT-authorized packaging:	
Sub 1	In Packing Group I.....	92.5
Sub 2	In Packing Group II.....	85
Sub 3	In Packing Group III.....	70
△44156-A	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 8, Corrosive Material, as defined in 49 CFR §173.136 and required to bear a notice to that effect on bills of lading and packaging.	

ITEM	ARTICLE	CLASS
	CHEMICALS GROUP: subject to item 42600	
44160-A	Cream Tartar , ▶not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 44161, in boxes, drums or five-ply paper bags.....	70
★44161	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
44170-A	☒ Crotonaldehyde , etc...☒Cancel; see item 45615.	
44180-A	☒ Cryolite , etc...☒Cancel; see item 45322.	
44190-A	☒ Cyanamide , etc...☒Cancel; obsolete.	
44230-A	☒ Diacetone , etc...☒Cancel; see item 44500.	
44240-A	Dibutyl, Diethyl or Dimethyl Phthalate , ▶not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 44241, in boxes or drums.....	55
★44241	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
44290-A	☒ Dicyandiamide , etc...☒Cancel; obsolete.	
44320-A	☒ Diisobutyl Carbinol , etc...☒Cancel; obsolete.	
44370-A	☒ Dodecylbenzene or Dodecyltoluene , etc...☒Cancel; obsolete.	
44460-A	☒ Ethyl Acetate , etc...☒Cancel; see item 44500.	
44480-A	☒ Ethylidene Aniline , etc...☒Cancel; obsolete.	
△44500-A	☒ Flammable Liquids, NOI; or Combustible Liquids in bulk containers with a maximum capacity greater than 119 gallons, NOI; see Note, item 44501, in U.S. DOT-authorized packaging:	
Sub 1	In Packing Group I.....	100
Sub 2	In Packing Group II.....	92.5
Sub 3	In Packing Group III.....	85
△44501-A	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 3: Flammable Liquid; or Combustible Liquid in bulk containers; as defined in 49 CFR §173.120 and required to bear a notice to that effect on bills of lading and packaging.	
△44515-C	☒ Flammable Solid, Spontaneously Combustible or Dangerous When Wet Materials, NOI , see Note, item 44516, in U.S. DOT-authorized packaging:	
	Offered for transportation as a Hazard Class 4, Division 4.3:	
Sub 1	In Packing Group I.....	110
Sub 3	In Packing Group II.....	100
Sub 4	In Packing Group III.....	92.5
Sub 5	Offered for transportation as a Hazard Class 4, Division 4.2:	
Sub 6	In Packing Group I.....	150
Sub 7	In Packing Group II.....	92.5
Sub 8	In Packing Group III.....	85
Sub 9	Offered for transportation as a Hazard Class 4, Division 4.1:	
Sub 10	In Packing Group I.....	125
Sub 11	In Packing Group II.....	85
Sub 12	In Packing Group III.....	77.5
△44516-C	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 4: Division 4.1, Flammable Solid, other than Self-reactive Material; Division 4.2, Spontaneously Combustible Material; or Division 4.3, Dangerous When Wet Material; as defined in 49 CFR §173.124 and required to bear a notice to that effect on bills of lading and packaging. For classes applicable to Self-reactive Material, see item 46047.	
44520-A	☒ Formaldehyde , dry, etc...☒Cancel; obsolete.	
44550-A	☒ Formaldehyde Aniline , etc...☒Cancel; obsolete.	
▶44565-A	Fuel , ration heating, chemical composition, containing not less than 90 percent trioxane (Fuel Heating Bars), not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 44566, in boxes.....	70
★44566	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
44567-A	☒ Fumaric Acid , dry, etc...☒Cancel; obsolete.	
44570-A	☒ Furfural , etc...☒Cancel; see item 45615.	
44571-A	NOTE—☒Cancel; no further application.	
44590-A	☒ Glycerine, crude (Spent Lye) , concentrated, or Crude Glycerine , other than spent lye, etc...☒Cancel; obsolete.	
44600-A	☒ Glycerine, crude (Spent Lye) , not concentrated, etc...☒Cancel; obsolete.	
44610-A	☒ Glycerine , other than crude, etc...☒Cancel; obsolete.	
44620-A	☒ Glycols , etc...☒Cancel; obsolete.	
44625-A	☒ Halogenated Monomethyldiphenyl-Methanes, Polychlorinated Biphenyls (PCBs), Polyhalogenated Biphenyls or Polyhalogenated Terphenyls , see Note, item 44626...☒Cancel; see items 45322 and 43940.	
44626-A	NOTE—☒Cancel; no further application.	
44645-A	Hydroxy Acetic Acid , ▶not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 44646, in bulk in drums.....	70
★44646	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
44650-A	☒ Indigo , dry, etc...☒Cancel; obsolete.	
44660-A	☒ Indigo , liquid or paste, etc...☒Cancel; obsolete.	

ITEM	ARTICLE	CLASS
	CHEMICALS GROUP: subject to item 42600	
44670-A	Iron: ...☒Cancel; no further application.	
44680-A	Acetate (Iron Liquor), etc...☒Cancel; obsolete.	
44700-A	Carbonate, etc...☒Cancel; obsolete.	
44710-A	Chloride (Iron Muriate), dry, etc...☒Cancel; see item 44155.	
44720-A	☉ Chloride (Iron Muriate), other than crude, liquid, etc...☒Cancel; see item 44155.	
44760-A	☉ Nitrate, etc...☒Cancel; see item 45467.	
44770-A	Oxide Catalyst, etc...☒Cancel; see item 44515.	
▶44780-A	Iron Oxide, other than spent:	
Sub 1	In bags, in bulk in drums or in Package 2231	55
Sub 2	In containers in boxes or drums	65
44790-A	Sulfate (Ferric Sulfate), crude, dry, soluble iron content not to exceed 25 percent by weight, etc...☒Cancel; obsolete.	
44800-A	Sulfate (Ferric Sulfate), dry, etc...☒Cancel; obsolete.	
44810-A	Sulfate (Ferric Sulfate), other than dry (Ferric Sulfate Solution), etc...☒Cancel; obsolete.	
44820-A	Sulfate (Ferrous Sulfate) (Copperas), etc...☒Cancel; see item 45322.	
44830-A	Sulfide, etc...☒Cancel; obsolete.	
44865-A	Isopropylidene Bisphenol, etc...☒Cancel; see item 45322.	
44870-A	Lead: ...☒Cancel; no further application.	
44900-A	Oleate, etc...☒Cancel; see item 44500.	
44930-A	Resinate, etc...☒Cancel; obsolete.	
44940-A	Silicate, etc...☒Cancel; obsolete.	
44970-A	Lime, chlorinated (Chloride of Lime, Bleach, NOI, or Bleaching Powder, NOI), see Note, item 44982...☒Cancel; no further application.	
44980-A	☉ Dry, etc...☒Cancel; see item 45467.	
44982-A	NOTE—☒Cancel; no further application.	
45000-A	☉ Liquid (aqueous solution), etc...☒Cancel; see item 45467.	
45020-A	Lime Water, etc...☒Cancel; obsolete.	
	Magnesium: subject to item 45030	
	Chloride:	
45050-A	In inner containers in boxes.....	77.5
Sub 1	▶ In bulk in drums or Package 27	60
Sub 2	▶ Fluosilicate (Magnesium Silicofluoride), etc...☒Cancel; see item 45615.	
45060-A	Manganese: subject to item 45150	
45170-A	Borate, etc...☒Cancel; obsolete.	
45175-A	Chloride (Manganese Muriate), etc...☒Cancel; obsolete.	
45180-A	Phosphate, etc...☒Cancel; obsolete.	
45240-A	☉ Methallyl Chloride, etc...☒Cancel; see item 44500.	
45295-A	Methyl Glucoside, etc...☒Cancel; obsolete.	
△45322-B	☉ Miscellaneous Hazardous Materials, NOI, including Environmentally Hazardous Substances, NOI, or Other Regulated Substances, NOI, see Notes, items 45323 and 45324, in U.S. DOT-authorized packaging, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 20	100
Sub 2	20 but less than 30.....	70
Sub 3	30 or greater	60
△45323-B	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 9, Miscellaneous Hazardous Material, other than Hazardous Waste, as defined in 49 CFR §173.140 and required to bear a notice to that effect on bills of lading and packaging. For provisions applicable to Hazardous Waste, see item 196160.	
△45324-B	NOTE—Also applies on Marine Pollutants not specifically listed in 49 CFR §172.101, Hazardous Materials Table, and that do not meet the definition of Hazard Classes 1 through 8.	
45330-A	☉ Monoethanolamine, Diethanolamine or Triethanolamine, etc...☒Cancel; see item 44155.	
45370-A	Nickel Ammonium Sulfate, etc...☒Cancel; obsolete.	
45380-A	Nickel Carbonate, etc...☒Cancel; obsolete.	
45390-A	Nickel Chloride, etc...☒Cancel; obsolete.	
45400-A	Nickel Oxide, etc...☒Cancel; obsolete.	
45410-A	Nickel Plating Solution, etc...☒Cancel; obsolete.	
45420-A	☉ Nickel Salts, NOI, etc...☒Cancel; see item 45615.	
45430-A	☉ Nickel Sulfate or Single Nickel Salts, etc...☒Cancel; see items 45322 and 43940.	
45440-A	☉ Nitro-carbo-nitrate, etc...☒Cancel; see item 44500.	
△45467-A	☉ Oxidizers, NOI, see Note, item 45468, in U.S. DOT-authorized packaging:	
Sub 1	In Packing Group I	125
Sub 2	In Packing Group II	100
Sub 3	In Packing Group III	85
△45468-A	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 5, Division 5.1, Oxidizer, as defined in 49 CFR §173.127 and required to bear a notice to that effect on bills of lading and packaging.	
45480-A	Paraphenyl Phenol, etc...☒Cancel; see item 45615.	
45510-A	☉ Perchloroethylene, etc...☒Cancel; see item 45615.	
45530-A	Phosphoric Catalyst (Silica and Phosphoric Acid combined), etc...☒Cancel; see item 44155.	
45550-A	☉ Phosphorus, crude, yellow and red mixed, etc...☒Cancel; obsolete.	
45560-A	☉ Phosphorus, NOI, etc...☒Cancel; obsolete.	
45600-A	☉ Phosphorus Pentasulfide, dry, etc...☒Cancel; obsolete.	
45613-B	☉ Phthalic Anhydride, with equal to or less than 0.05% maleic anhydride, or Isophthalic Acid, etc...☒Cancel; obsolete.	

ITEM	ARTICLE	CLASS
	CHEMICALS GROUP: subject to item 42600	
△45615-B	☣ Poisonous or Toxic Materials , see Note, item 45616, in U.S. DOT-authorized packaging:	
Sub 1	In Packing Group I:	
Sub 2	Poisonous by inhalation	150
Sub 3	Other than poisonous by inhalation	125
Sub 4	In Packing Group II	85
Sub 5	In Packing Group III	70
△45616-B	NOTE—Applies on materials regulated by the U.S. Department of Transportation as a Hazard Class 6, Division 6.1, Poisonous or Toxic Material, as defined in 49 CFR §173.132 and required to bear a notice to that effect on bills of lading and packaging.	
	Potassium (Potash): subject to item 45640	
45660-A	▶ Alkali Salts , crude, dry, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 45661, in bags, boxes or drums.....	50
★45661	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
45670-A	Beet or Cane Residuum , etc...☒Cancel; obsolete.	
45700-A	Borate , etc...☒Cancel; obsolete.	
45710-A	Bromide , etc...☒Cancel; obsolete.	
45720-B	Carbonate (Pearlash) , ▶not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 45721:	
Sub 1	Other than crude:	
Sub 2	In inner containers in boxes	55
Sub 3	In bulk in drums, in bags with waterproof lining or in Packages 27 or 2183	55
Sub 4	Crude, in bulk in drums	50
★45721	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
45760-A	☣ Cyanide Liquor , etc...☒Cancel; see item 45615.	
45860-A	Potash , wood, crude, etc...☒Cancel; obsolete.	
45870-A	▶ Potassium (Potash) Salts , NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 45871:	
Sub 1	In inner containers in boxes	100
Sub 2	In bulk in boxes, drums or intermediate bulk containers (IBCs)	85
★45871	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
45880-A	Prussiate , etc...☒Cancel; obsolete.	
45930-A	☣ Sulfide (Sulfuret of Potash) , etc...☒Cancel; obsolete.	
45950-A	Tobacco Crystals (Tobacco Potash Salts) , etc...☒Cancel; obsolete.	
46000-A	☣ Propylene Dichloride , etc...☒Cancel; see item 44500.	
46025-A	☣ Pyroxylin , colloid or paste, etc...☒Cancel; see item 44500.	
46040-A	Rochelle Salts , etc...☒Cancel; obsolete.	
46060-A	☣ Silicon Chloride , etc...☒Cancel; see item 44155.	
46070-A	Soda (Alkali) Residue , other than liquid, etc...☒Cancel; obsolete.	
	Sodium (Soda): subject to item 46080	
46210-A	Butyrate Solution , etc...☒Cancel; obsolete.	
46280-A	Chromate , other than dry (Chromate Solution), etc...☒Cancel; obsolete.	
46320-A	Diacetate , etc...☒Cancel; obsolete.	
46340-A	Fluoride , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 46341, etc...☒Cancel; obsolete.	
46341-A	NOTE—☒Cancel; no further application.	
46350-A	Formate , etc...☒Cancel; see item 45615.	
46360-A	Hydrosulfide (Sodium Hydrosulfate or Sodium Sulfhydrate) , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 46361, etc...☒Cancel; obsolete.	
46361-A	NOTE—☒Cancel; no further applicaiton.	
46390-A	Hyposulfite , etc...☒Cancel; see item 44155.	
46420-A	▶ Nitrate of Soda-potash , not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 46421:	
Sub 1	In inner containers in boxes or drums.....	70
Sub 2	In bulk in bags, boxes or drums.....	50
★46421	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
46430-A	Nitrate-sulfur Mixture , paraffined, etc...☒Cancel; obsolete.	
46660-A	Thiocyanate Crystals (Sodium Sulfocyanate Crystals) , etc...☒Cancel; obsolete.	
46715-A	Solutions , blood analysis, consisting of distilled water and mineral additives not exceeding 5 percent, etc...☒Cancel; obsolete.	
46717-A	Solution , copper plating, etc...☒Cancel; see item 44155.	
46720-A	Strontium Bromide , etc...☒Cancel; obsolete.	
46750-A	☣ Styrene , liquid, etc...☒Cancel; see item 44500.	

ITEM	ARTICLE	CLASS
	CHEMICALS GROUP: subject to item 42600	
	Tar Products: subject to item 46790	
46810-A	Anthracene , crude, etc...☒Cancel; obsolete.	
46820-A	Anthracene , other than crude, etc...☒Cancel; obsolete.	
46840-A	☉ Coal Tar Naphtha Solvent , etc...☒Cancel; see item 44500.	
46910-A	Diphenyl , etc...☒Cancel; obsolete.	
46940-A	Mononitrotoluol , other than dry, etc...☒Cancel; obsolete.	
46980-A	Orthonitrotoluol , etc...☒Cancel; obsolete.	
46990-A	☉ Paradichlorobenzene (Paradichlorobenzol) or Tetrachloronaphthalene , see Note, item 46992, etc...☒Cancel; obsolete.	
46992-A	NOTE—☒Cancel; no further application.	
47030-A	☉ Tear Gas Solutions , etc...☒Cancel; see item 45615.	
47040-A	Tellurium Oxide , etc...☒Cancel; obsolete.	
47050-A	Terebene , etc...☒Cancel; obsolete.	
47120-A	☉ Tin Chloride (Tin Muriate) , liquid, etc...☒Cancel; see item 44155.	
47130-A	Tin Chloride , solid (Tin Crystals), etc...☒Cancel; obsolete.	
47150-A	☉ Tin Tetrachloride , anhydrous, etc...☒Cancel; see item 44155.	
47210-A	Tungsten Oxide or Tungstic Acid , etc...☒Cancel; obsolete.	
47250-A	Wool Stripping Compound , liquid, etc...☒Cancel; obsolete.	
47280-A	Zinc :...☒Cancel; no further application.	
▶47290-B	Zinc Ammonium Chloride , in bags, drums or Package 390.....	65
47300-A	Borate , dry, etc...☒Cancel; see item 45322.	
47310-A	Carbonate , etc...☒Cancel; obsolete.	
47320-A	Chloride , etc...☒Cancel; obsolete.	
47360-A	☉ Hydrosulfite , etc...☒Cancel; see item 45322.	
▶47400-A	Zinc Salts , NOI, not required by the U.S. Department of Transportation to bear a Hazard Class or Hazard Division label or placard, see Note, item 47401:	
Sub 1	In inner containers in boxes or drums.....	100
Sub 2	In bulk in multiple-wall paper bags, boxes or drums.....	92.5
★47401	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
▶47410-B	Zinc Sulfate:	
Sub 1	In bags, or in bulk in boxes or drums.....	55
Sub 2	In inner containers in boxes.....	60
48920-A	CLOTH, ▶FABRIC, DRY GOODS OR TEXTILES GROUP: see Note, item 48921	
▶48921-A	NOTE—Except where otherwise specified, provisions subject to this grouping do not apply on cloth, fabric, dry goods or textiles that require temperature control during transit.	
48970-A	Bagging or Cloth , burlap, gunny, ixtle (istle), jute or sisal, decorated, dyed NOI, printed or surface coated, etc...☒Cancel; see item 49260.	
48980-A	Bagging or Cloth , burlap, gunny, ixtle (istle), jute or sisal, dyed not more than one color, rolled, etc...☒Cancel; see item 49260.	
49010-A	Bagging or Cloth , burlap, gunny, ixtle (istle), jute or sisal, NOI, with or without paper or plastic film lining, etc...☒Cancel; see item 49260.	
49050-A	Bottoms , canvas, etc...☒Cancel; see item 49260.	
49080-A	Buckram , cotton, etc...☒Cancel; see item 49260.	
49090-A	Buckram , other than cotton, etc...☒Cancel; see item 49260.	
49095-A	Cloth , brattice, burlap or cotton, fireproofed, etc...☒Cancel; see item 49260.	
49100-A	Cloth , cotton and wire combined, coated or not coated, etc...☒Cancel; see item 49260.	
49110-A	Cloth , cotton, saturated or coated with asphalt, pitch or tar, NOI, etc...☒Cancel; see item 49260.	
49130-A	Cloth , cotton, photographic, sensitized, etc...☒Cancel; see item 49260.	
49140-A	Cloth , cotton, processed for printing, etc...☒Cancel; see item 49260.	
49150-A	Cloth or Fabric , cotton or synthetic fiber, rubber separating or interleaving, see Note, item 49152, etc...☒Cancel; see item 49260.	
49152-A	NOTE—☒Cancel; no further application.	
49160-B	Cloth or Fabric , cotton or synthetic fiber, or cotton or synthetic fiber and natural fiber combined, not woven, knitted nor stitched, NOI, see Note, item 49162, etc...☒Cancel; see item 49260.	
49162-B	NOTE—☒Cancel; no further application.	
49170-A	Cloth , cotton or synthetic fiber, laminated, or cotton or synthetic fiber laminated with other fabrics or paper, see Note, item 49172, etc...☒Cancel; see item 49260.	
49172-A	NOTE—☒Cancel; no further application.	
49180-A	Cloth , cotton book cover (book binders' cloth), plain, embossed or finished in imitation of leather, etc...☒Cancel; see item 49260.	
49190-A	Cloth , wool or other animal fiber, with or without other fibers, NOI, other than plush or pile cloth, in the original piece, not finished articles ready for immediate use, etc...☒Cancel; see item 49260.	
49200-A	Cloth , motion picture screen, etc...☒Cancel; see item 49260.	
49205-A	Cloth , ramie, etc...☒Cancel; see item 49260.	
49206-A	Cloth or Cloth Strips , gummed, NOI, etc...☒Cancel; see item 49260.	
49208-A	Cloth , screen, woven, glass or synthetic fiber or yarn, coated or not coated, etc...☒Cancel; see item 49260.	
49210-B	Cloth or Fabric , other than with pile or loop surfaces; coated with aluminum, plastic, pyroxylin or rubber, NOI, see Notes, items 49212 and 49214, etc...☒Cancel; see item 49260.	
49212-B	NOTE—☒Cancel; no further application.	
49214-B	NOTE—☒Cancel; no further application.	

ITEM	ARTICLE	CLASS
	CLOTH, FABRIC, DRY GOODS OR TEXTILES GROUP: subject to item 48920	
49220-A	Cloth or Fabric , membrane (coating reinforcement), cotton, glass or synthetic fiber, etc...☒Cancel; see item 49260.	
49222-A	NOTE—☒Cancel; no further application.	
49225-A	Cloth or Fabric , garment interlining, in the original piece, cotton and synthetic fiber combined with goat hair, etc...☒Cancel; see item 49260.	
49235-A	Cloth or Fabric , consisting of fibers, yarns or mesh laminated between sheets of cellulose or paper, etc...☒Cancel; see item 49260.	
49237-A	Cloth or Fabric , other than rugs or carpeting, combined with plastic or rubber, NOI, etc...☒Cancel; see item 49260.	
49240-A	Cloth or Netting , cotton, combined with cellulose film, etc...☒Cancel; see item 49260.	
49250-A	Cloth or Paper and Cellulose Film , laminated and waxed, etc...☒Cancel; see item 49260.	
★49260	Cloth, Fabric, Dry Goods or Textiles , NOI, see Notes, items 49261, 49262 and 49263, in boxes or wrapped bales or rolls, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
★49261	NOTE—Also applies on cloth, fabric, dry goods or textiles coated or combined with other materials, NOI.	
★49262	NOTE—Provisions for dry goods include, but are not limited to: Bedspreads or Coverlets , NOI; Blankets , NOI; Cloths or Rags , cleaning, dusting, polishing or wiping, NOI, new or used, including waste; Comforter or Duvet Covers ; Curtains or Draperies , NOI; Diapers , cloth, NOI; Napkins , table; Parts or Pieces , clothing, NOI, cut to size; Pillowcases or Pillow Shams , NOI; Sheets , NOI; Tablecloths ; Towels , NOI; Washcloths , NOI.	
★49263	NOTE—Does not apply on materials regulated by the U.S. Department of Transportation as hazardous and required to bear a Hazard Class or Hazard Division label or placard. For classes applicable to such hazardous materials, see provisions elsewhere in this Classification.	
49265-A	Cloth, Fabric or Piece Goods , natural or synthetic fiber, separate or combined, knit or woven, see Notes, items 49266 and 49267, etc...☒Cancel; see item 49260.	
49266-A	NOTE—☒Cancel; no further application.	
49267-A	NOTE—☒Cancel; no further application.	
49270-A	Cloth or Fabric , glass fiber mesh, not woven; or Tape , glass fiber, woven or not woven; with or without binder or paper backing, etc...☒Cancel; see item 49260.	
49390-A	Dry Goods or Textiles , etc...☒Cancel; see item 49260.	
49392-A	NOTE—☒Cancel; see item 49263.	
49410-A	Fabric , cotton cheesecloth or gauze, waxed, not medicated, meat or poultry packing, etc...☒Cancel; see item 49260.	
49411-A	Fabric , erosion control, synthetic fiber and paper combined, etc...☒Cancel; see item 49260.	
49413-A	Fabric , quilted, see Note, item 49414, etc...☒Cancel; see item 49260.	
49414-A	NOTE—☒Cancel; no further application.	
49415-A	Fabric , tire, hose or belting, etc...☒Cancel; see item 49260.	
49420-A	Fabric , woven cellulose film or woven cellulose and paper combined, etc...☒Cancel; see item 49260.	
49430-A	Fabric , woven from glass fiber rovings only, having a weight per square yard of not less than twenty ounces, etc...☒Cancel; see item 49260.	
49440-A	Fabric or Bagging or Backing , woven paper or woven paper combined with cotton, rayon or other synthetic fibers or yarns, etc...☒Cancel; see item 49260.	
49443-A	Fabrics , cotton, etc...☒Cancel; see item 49260.	
49445-A	Fabrics , lace, other than cotton, etc...☒Cancel; see item 49260.	
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
50755-A	Assemblies , chimney or smoke flue, metal, etc...☒Cancel; see item 51045.	
50757-A	NOTE—☒Cancel; no further application.	
50759-A	NOTE—☒Cancel; no further application.	
50920-A	Collars , stove pipe, aluminum, etc...☒Cancel; see item 51045.	
51035-A	Duct , air distributing, ventilating or exhaust system, flexible, etc...☒Cancel; see item 51045.	
51036-A	NOTE—☒Cancel; no further application.	

ITEM	ARTICLE	CLASS
	CONDUITS, OTHER THAN EARTHEN, GROUP: subject to item 50750	
▶51045-A	Duct or Flues , air or smoke; or Fittings therefor , NOI; metal, with or without components of other materials:	
Sub 1	In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 4	300
Sub 3	4 or greater	175
Sub 4	In packages other than boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 5	Less than 4	400
Sub 6	4 or greater	200
51046-A	NOTE—☒Cancel; no further application.	
	CORK: subject to item 53500	
53520-A	Bark (Corkwood) , other than virgin bark, unmanufactured, etc. . . ☒Cancel; obsolete.	
53710-A	Corkwood Refuse (Refugo) , other than cork waste or virgin bark, having value for grinding purposes only, etc. . . ☒Cancel; obsolete.	
	DENTAL, HOSPITAL OR MEDICAL SUPPLY GROUP: subject to item 56400	
56680-A	Dental, Medical or Surgical Instruments or Machines , NOI, including Clinical Thermometers , see Note, item 56682, other than dental units, in boxes or ▶Package 2376.....	150
△56682-A	NOTE—Applies only on self-registering thermometers for determining the temperature of a human or animal body.	
56825-B	▶ Manikins (Mannequins) , medical or rescue training, see Note, item 56826, in boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 7	175
Sub 2	7 or greater	100
▶56826-B	NOTE—Applies on manikins (mannequins) or parts, such as heads, torsos or limbs, for teaching patient care, infant care, or emergency medical treatment procedures. Also applies on complement of electrical or electronic equipment or other accessories when packaged in same box.	
56828-A	Medical Supplies, viz.: Bandages or Dressings , NOI; Blankets , emergency first aid for burn victims; Braces or Supports , ankle, knee, joint or leg; Collars , cervical; Compresses , hot or cold, NOI; Pads , lap; Splints , NOI; Sponges , dental, medical or surgical, NOI; ▶ Trusses , medical or surgical, or Hernia Belts ; In boxes, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
▶56840-A	Pumps or Aspirators , suction or pressure, including Breast Pumps , with or without appliances for drainage or other treatment of body cavities, see Note, item 56841, in boxes	125
★56841	NOTE—Does not apply on devices that attach to central dental, hospital or medical vacuum supply systems. For applicable provisions, see item 56680.	
57000-A	Trusses , surgical, etc. . . ☒Cancel; see item 56828.	
57120-A	☒ Depilatory , tanners' (Compound for removing hair from hides), NOI, etc. . . ☒Cancel; obsolete.	
57157-A	Devices , terminal control, forced air distribution, see Note, item 57158, ▶in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
△57158-A	NOTE—Applies on terminal devices for controlling air pressure, temperature or volume in forced air cooling or heating systems, with or without heating or cooling coils or electric resistance grids.	
	DRAWING INSTRUMENTS, OPTICAL GOODS OR SCIENTIFIC INSTRUMENTS: subject to item 57670	
58080-A	Optical Comparators or Contour Projectors , gauging, see Note, item 58081, ▶in boxes	100
△58081-A	NOTE—Applies on products used to measure or compare detailed specifications or dimensions by use of laser or other optical technology.	
60260-A	Dye Soap , ▶in boxes	100

ITEM	ARTICLE	CLASS
	ELECTRICAL EQUIPMENT GROUP: subject to item 60500	
61065-A	Broilers, Grills or Waffle Irons, etc... ☒Cancel; see item 26720.	
▶61110-A	Cabinets, Enclosures, Frames, Housings or Racks, electrical apparatus, metal, NOI, with or without side, top or bottom panels or doors, see Note, item 61111, in boxes or crates, see Notes, items 61112 and 61113:	
Sub 1	Having a height two times or greater than the shortest base dimension, see Note, item 61114, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 6	300
Sub 3	6 but less than 10.....	175
Sub 4	10 or greater	100
Sub 5	Other than as set forth in sub 1, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 6	200
Sub 7	6 but less than 10.....	125
Sub 8	10 or greater	85
61111-A	NOTE—Applies on industrial cabinets, enclosures, frames, housings ▶or racks designed to protect or house rack-mount, network or related equipment. Units may be stand-alone or configured into a modular system to form multi-bay assemblies.	
★61112	NOTE—Articles must be protected by packing forms or other packaging materials necessary to afford adequate protection against damage.	
★61113	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.	
★61114	NOTE—When tendered for shipment on lift truck skids, pallets or platforms, the height and base dimensions will include the lift truck skid, pallet or platform.	
61700-A	Electrical Appliances or Instruments, NOI, see Note, item 61701, ▶in boxes, crates or Packages 829 or 1241, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
△61701-A	NOTE—Provisions also apply on: (1) Television Tuners or Tuning Sections, Digital Television Converters or Decoders, Set Top Boxes (STBs), Set Top Units (STUs) or Digital Video Recorders (DVRs). (2) Video Game Controllers or Joysticks or other electronic accessories designed to be used in conjunction with a video game console for the purpose of playing a video game, but not on the complete video game or video game console. (3) Battery Chargers, including Cell Phone Chargers.	
63032-A	Sets, cigar or cigarette lighter, see Note, item 63033, etc... ☒Cancel; obsolete.	
63033-A	NOTE—☒Cancel; no further application.	
68090-A	Fenders or Bumpers, boat or dock, NOI, etc... ☒Cancel; see item 38650.	
68095-A	Fenders or Bumpers, boat or dock, etc... ☒Cancel; see item 38650.	
68096-A	NOTE—☒Cancel; no further application.	
	FIBERS: subject to item 68200	
68220-A	Bast (Bass), other than broom splints, etc... ☒Cancel; obsolete.	
68940-A	Filling, cotton, jute or cotton and jute combined, etc... ☒Cancel; obsolete.	
★69295	Firearm Parts, NOI, in boxes, see Note, item 69302.....	100
▶69300-A	Firearms, NOI, in boxes, see Note, item 69302	100
△69302-A	NOTE—Outer shipping containers may be printed or labeled with shipper's name and address but not printed or labeled with advertising or with uncoded information as to the nature, identity, model or caliber of the articles contained therein. Packing lists affixed to the outside of shipping container must be enclosed in a sealed, opaque envelope or pouch.	
	FIREPLACES OR FIREPLACE ACCESSORY GROUP: subject to item 69310	
69320-A	Andirons (Firedogs), etc... ☒Cancel; see item 69420.	
69340-A	Dampers, fireplace throat, plate or sheet steel, etc... ☒Cancel; see item 69420.	
69350-A	Fenders or Fireplace Guards or Screens, brass, etc... ☒Cancel; see item 69420.	
69360-A	Fenders or Fireplace Guards or Screens, iron or steel, plain or brass coated or plated or with brass trimmings, etc... ☒Cancel; see item 69420.	
69370-A	Fireplace Air Heaters and Ventilators combined, iron, or Water Jacketed Fireplaces, iron, etc... ☒Cancel; see item 69420.	
69372-A	NOTE—☒Cancel; no further application.	
69380-A	Fireplaces and Mantels combined, cast stone, without hearth or with hearth detached, etc... ☒Cancel; see item 69420.	
69390-B	Fireplaces, indoor, ceramic, silicon carbide or reinforced concrete, finished or unfinished, etc... ☒Cancel; see item 69420.	
69400-A	Fireplaces, imitation, fiberboard, in sheets or KD flat, etc... ☒Cancel; see item 69420.	
69414-A	Fireplaces, imitation, wood or wood particleboard faced with imitation stone, other than cast stone, with hearth and mantel, portable, SU, with or without electric logs or heaters, etc... ☒Cancel; see item 69420.	

ITEM	ARTICLE	CLASS
▶69420-A	<p>FIREPLACES OR FIREPLACE ACCESSORY GROUP: subject to item 69310</p> <p>Fireplaces and Related Articles, viz.: Andirons (Firedogs), Grates, Grate Baskets or Grate Parts, with or without electric heating units; Dampers, fireplace; Fireplace Fenders, Guards or Screens, NOI; Fireplace Inserts, see Note, item 69422; Fireplaces or Imitation Fireplaces, NOI, see Note, item 69422; Heaters, Heat Exchangers or Extractors, fireplace grate type; Logs or Log Sets, electric (Electric Logs); Logs or Log Sets, gas-fired fireplace (Gas Logs); Tools or Tool Sets, fireplace; In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:</p> <p>Sub 1 Less than 1.....</p> <p>Sub 2 1 but less than 2.....</p> <p>Sub 3 2 but less than 4.....</p> <p>Sub 4 4 but less than 6.....</p> <p>Sub 5 6 but less than 8.....</p> <p>Sub 6 8 but less than 10.....</p> <p>Sub 7 10 but less than 12.....</p> <p>Sub 8 12 but less than 15.....</p> <p>Sub 9 15 but less than 22.5.....</p> <p>Sub 10 22.5 but less than 30.....</p> <p>Sub 11 30 or greater.....</p>	<p>400</p> <p>300</p> <p>250</p> <p>175</p> <p>125</p> <p>100</p> <p>92.5</p> <p>85</p> <p>70</p> <p>65</p> <p>60</p>
69422-A	NOTE—Applies on the articles named, with or without log grates, gas logs, electric logs or heaters, ▶mantels or other accessories in the same package.	
69423-A	NOTE—☒Cancel; no further application.	
69460-A	Holders or Racks , fireplace wood, etc...☒Cancel; see item 164390.	
69480-A	Sets , fireplace tool, etc...☒Cancel; see item 69420.	
69482-A	NOTE—☒Cancel; no further application.	
	<p>FLOOR OR WALL COVERINGS AND RELATED ARTICLES GROUP: subject to item 70500</p> <p>Carpets; Carpeting; Carpet Remnants; or Rugs, see Note, item 70681; ▶in boxes or wrapped bales or rolls, ▶see Notes, items 70682 and 70683:</p>	
70680-A	Greatest dimension exceeding 192 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 12.....	175
Sub 2	12 or greater.....	100
Sub 3	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 4	Less than 12.....	150
Sub 5	12 or greater.....	85
Sub 6	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 7	Less than 12.....	125
Sub 8	12 or greater.....	70
Sub 9		
△70681-A	NOTE—The provisions for rugs apply only when:	
	1. Power machine tufted or power loom woven;	
	2. Of soft surface (pile) fabric;	
	3. Of cloth combined with foam rubber not exceeding 3/8 inch thick; or	
	4. Of woven paper fabric combined with cellular or expanded plastic or rubber not exceeding 3/8 inch thick.	
	For provisions applicable to other rugs, see item 71000 for 'Rugs, NOI,' item 78460 for 'Fur Rugs, NOI,' and item 196200 for 'Rugs, worn-out.'	
★70682	NOTE—Articles tendered in rolls not on lift truck skids, pallets or platforms must be wrapped in plastic film, enclosed in a plastic film bag, or otherwise protected to withstand the normal rigors of the less-than-truckload environment. Plastic film must be of sufficient thickness, or be wrapped in multiple layers to provide sufficient thickness, so as to resist abrasion and tearing and thereby remain intact during transport.	
★70683	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. Articles not tendered for shipment on lift truck skids, pallets or platforms must be tendered in such a manner so as to allow handling with mechanical equipment.	
71390-A	Flour , cellulose, edible, etc...☒Cancel; see item 73150.	
71420-A	Flour or Meal , press cake, almond, apricot or peach kernel, etc...☒Cancel; see item 73150.	
	FOODSTUFFS GROUP: subject to item 72000	
73030-A	Flour , cooked, etc...☒Cancel; see item 73150.	
73040-A	Flour , cassava, sago or tapioca, etc...☒Cancel; see item 73150.	
73060-A	Flour , gelatinized, etc...☒Cancel; see item 73150.	
73080-A	Flour , potato, etc...☒Cancel; see item 73150.	
73100-A	Flour , rice, etc...☒Cancel; see item 73150.	
73120-A	Flour, Grits or Meal , cottonseed or soybean, etc...☒Cancel; see item 73150.	
73122-A	NOTE—☒Cancel; no further application.	
73140-A	Flour or Corn Meal , edible, NOI, including Cake, Bread, Brownie or Muffin Mixes , etc...☒Cancel; see item 73150.	
73142-A	NOTE—☒Cancel; no further application.	
73144-A	NOTE—☒Cancel; no further application.	
73146-A	NOTE—☒Cancel; see item 73151.	

ITEM	ARTICLE	CLASS
	FOODSTUFFS GROUP: subject to item 72000	
★73150	Flour or Meal, viz.: Flour, NOI; Meal, NOI, including Corn Meal; Mixes, baking, NOI, including Bread, Brownie, Cake, Cookie, Muffin, Pancake or Waffle Mixes, see Note, item 73151; Mixes, batter, breading or coating, NOI; In bags, boxes, drums or Packages 128 or 2456, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10.....	125
Sub 2	10 but less than 15.....	85
Sub 3	15 but less than 30.....	70
Sub 4	30 or greater.....	55
★73151	NOTE—Also applies on other ingredients or complement of accessories necessary for completion of the finished product when packaged in same box.	
73238-B	Foodstuffs, other than frozen, Group II, etc.... ☒Cancel; see item 73260.	
73260-A	Foodstuffs, other than frozen, Group IV, viz.: Bakery Goods, NOI, also in Packages 128 or 2428; Coffee, Tea or Herbal Tea, NOI, see Note, item 73261, also in Packages 128, 2330 or 2380; Cookies or Crackers, NOI, also in Packages 128 or 2428; Foodstuffs, NOI; ►Hot Chocolate or Hot Cocoa Mixes; Sauces or Toppings, ice cream or dessert, NOI, in other than pressurized containers, including Marshmallow Creme, Nuts (Nutmeats) in Syrup, or Sprinkles; Snack Foods, NOI; In bags, boxes, drums or Packages 1000, 1400, 2404, 2414 or 2416, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
△73261-A	NOTE—Also applies on: instant, soluble, freeze-dehydrated or freeze-dried coffee, tea or herbal tea; coffee, tea or herbal tea in premeasured servings, with or without integral filter; or Coffee Service Kits or Sets , consisting of coffee in premeasured servings, with or without integral filter, and with or without non-dairy creamer, sugar or artificial sweetener, stirrers, tea, herbal tea or hot chocolate in same box.	
75960-A	Forms, refrigerator door inner liner, with molded-in shelves, plastic, etc.... ☒Cancel; obsolete.	
75980-A	Forms, refrigerator lining or partitioning, NOI, plastic, nested or in forms not curved nor bent, etc.... ☒Cancel; obsolete.	
76580-A	Frames, mirror or picture, NOI, with or without sample pictures, ►in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
76581-A	NOTE—☒Cancel; no further application.	

ITEM	ARTICLE	CLASS
<p>79000-A</p> <p>79022-A</p>	<p>FURNITURE GROUP: Articles consist of Furniture, see Notes, items 79022, 79023, 79024 and 79026, as described in items subject to this grouping.</p> <p>NOTE—</p> <p>(a) Furniture may be packed in wood boxes as specified in Item 221. All finished or upholstered surfaces must be protected against damage by adequate interior packaging materials. Bills of lading must describe package as 'wood box.' The class applicable will be the lowest provided in the specific item for the article of furniture in the form in which shipped.</p> <p>(b) Where bursting tests or edge crush tests are specified for containers, wrappers or interior packaging, fiberboard must comply with the requirements set forth in Item 222.</p> <p>(c) All packages constructed of corrugated fiberboard, wood or a combination thereof must be conspicuously marked on at least one panel as follows:</p> <div style="text-align: center;"> <p>UP FURNITURE FRAGILE, HANDLE WITH CARE OR UP FURNITURE, INCLUDING MIRRORS OR GLASS FRAGILE, HANDLE WITH CARE</p> <p>FURNITURE FRAGILE, HANDLE WITH CARE</p> </div> <p>(d) Furniture in form-fitting, L-shaped containers that may be shipped inverted upon each other without damage must be conspicuously marked to indicate loading in either vertical direction, as follows:</p>	
79023-A	NOTE—Articles must be secured within package by protective packing forms or other packaging materials so as to prevent shifting.	
79024-A	NOTE—Where packaging specifications reference this Note, articles must be adequately protected by blankets or pads so as to prevent damage and abrasion within the package.	
79026-A	NOTE—Detachable mirrors, tops or other furniture components must be detached and tendered in same package with the article(s) or in boxes.	
79030-A	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79031-A	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79032-A	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79720-A	Metallic or Wooden: subject to item 79600 Beds, folding, upright, door, recess or wall, disappearing type, with or without rollers, steel, etc... <input checked="" type="checkbox"/> Cancel; see item 82270.	
79740-A	Beds, KD (Ends and Rails), or Bed Ends, including Headboards or Footboards, etc... <input checked="" type="checkbox"/> Cancel; see item 82270.	
79741-A	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79742-A	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
79744-A	NOTE— <input checked="" type="checkbox"/> Cancel; no further application.	
80985-A	Cots, SU, etc... <input checked="" type="checkbox"/> Cancel; see item 82270.	

ITEM	ARTICLE	CLASS
	FURNITURE GROUP: subject to item 79000	
	Metallic or Wooden: subject to item 79600	
81000-A	Cots or Beds, folding, NOI, etc...☒Cancel; see item 82270.	
81002-A	NOTE—☒Cancel; no further application.	
81003-A	Aluminum frame with linked or woven wire springs, with or without mattresses or pads, KD, etc...☒Cancel; see item 82270.	
81005-A	Aluminum and fabric, KD flat, etc...☒Cancel; see item 82270.	
81008-A	Metal, NOI, or wood and fabric, etc...☒Cancel; see item 82270.	
81020-A	Linked or woven wire springs and steel frames, etc...☒Cancel; see item 82270.	
81040-B	Steel frame, NOI, etc...☒Cancel; see item 82270.	
81042-B	NOTE—☒Cancel; no further application.	
81060-B	Steel frame, with coiled wire springs, folded, etc...☒Cancel; see item 82270.	
82270-C	Metallic or Wooden Furniture, viz.:	
	▶ Bed Ends, including Headboards or Footboards;	
	▶ Beds or Cots, NOI, with or without mattresses or box springs;	
	Bins or Shelving, NOI;	
	Freestanding Panels, Partitions or Screens;	
	Metallic or Wooden Furniture, NOI;	
	In Packages 1F, 2F, 3F, 5F, 19F, 21F, 22F, ▶24F, 25F, 40F, 138F, 150F or 151F, see Note, item 82271, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
△82271-C	NOTE—Aluminum furniture will be accepted in packages authorized for shipment of same articles made of steel or wood.	
△82750-A	FURNITURE PARTS GROUP: see Note, item 82751	
82751-A	NOTE—Articles subject to this grouping which are susceptible to ▶damage must, in addition to being packaged as required by the individual descriptions, ▶bear precautionary markings as required by Note, item 79022, ▶paragraphs (c) and (d).	
△83270-B	Furniture Parts, NOI, in boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
83340-A	Parts, chair or stool, wooden, finished, etc...☒Cancel; see item 83270.	
83342-A	NOTE—☒Cancel; no further application.	
	GAMES OR TOYS GROUP: subject to item 83900	
83940-A	Anagrams, etc...☒Cancel; obsolete.	
	GASES OR CRYOGENIC LIQUIDS GROUP: subject to item 85500	
△85890-A	☉ Gases or Gas Mixtures, flammable, see Note, item 85891, in metal cylinders, or in containers in boxes or crates.	125
△85891-A	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.	
	GLASS: subject to item 86500	
86540-A	Aircraft Glass, cut to shape, 120 united inches or less, bent or not bent, ▶in boxes, crates or Package 1180.....	85
△86630-B	Glass, automobile or boat, including Windshields or Windshield Glass, with or without frames or fittings, see Note, item 86631, in boxes, crates or Packages 304, 315, 1180, 2034 or 2147, or on shipping carriers or racks, see Note, item 86632:	
Sub 1	Greatest dimension exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 4.....	500
Sub 3	4 but less than 8.....	250
Sub 4	8 or greater.....	125
Sub 5	Greatest dimension not exceeding 96 inches, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 4.....	400
Sub 7	4 but less than 8.....	200
Sub 8	8 or greater.....	110
86631-B	NOTE—Applies only on glass cut to size and shape for installation in automobile or boats. ▶Automobile glass includes glass for recreational vehicles (RVs), travel trailers or horse trailers.	

SUPPLEMENT 4 TO NMF 100-AV

ITEM	ARTICLE	CLASS
△86632-B	NOTE—Glass must be held securely in place within package or on shipping carrier or rack and be protected by packing forms necessary to afford adequate protection against damage.	
	GLASSWARE GROUP: subject to item 87500	
87700-A	Bottles, Carboys or Jars, NOI, other than cut, with or without complement of caps, covers, stoppers or tops, ► in boxes or Package 1251, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
88020-A	Flasks, leather covered, etc...☒Cancel; obsolete.	
88160-B	Glassware, NOI, with or without components or trim of other materials, ► in boxes or Package 213, released to a value not exceeding \$19.00 per pound, see Note, item 88161, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater	60
△88161-B	NOTE—Unless otherwise provided in individual participating carriers' tariffs, glassware moving under the provisions of item 88160 shall only be accepted subject to a maximum liability of \$19.00 per pound. If shipper fails to declare a value, or declares a value in excess of \$19.00 per pound, shipment will not be accepted, but if the shipment is inadvertently accepted, it will be considered as being released to a value not exceeding \$19.00 per pound and the shipment will move subject to such limitation of liability. In no instance will carriers' liability exceed the actual value of the glassware lost or damaged.	
88820-A	Glue Stock, consisting of bacon skins or rinds, fleshings, hide trimmings, horn pith, pizzles, sinews or nonedible pigs feet, etc...☒Cancel; obsolete.	
	GRAIN PRODUCTS GROUP: subject to item 89300	
89430-A	Grain Flour, NOI, etc...☒Cancel; see item 73150.	
89432-A	NOTE—☒Cancel; no further application.	
89450-A	Grain Flour, self-rising, etc...☒Cancel; see item 73150.	
89452-A	NOTE—☒Cancel; no further application.	
89650-A	Meal, corn, etc...☒Cancel; see item 73150.	
	GUMS: subject to item 91100	
91160-A	Amber, etc...☒Cancel; obsolete.	
91240-A	Camphor, etc...☒Cancel; obsolete.	
91480-A	Olibanum, etc...☒Cancel; obsolete.	
	HARDWARE GROUP: subject to item 92900	
93640-A	Brackets or Supports, children's sled, for attaching body or top to runners, iron, nested, etc...☒Cancel; obsolete.	
98530-A	Heaters, street surface or tool (Fire Wagons)...☒Cancel; obsolete.	
	HIDES GROUP: subject to item 98800	
	Hides, Pelts or Skins, not dressed nor tanned: subject to item 98950	
99060-A	Cattle, Horse or Mule, dry, etc...☒Cancel; obsolete.	
99090-A	Cattle or Horse, pickled or raw splits (flesh side of split hides), etc...☒Cancel; obsolete.	
	HOUSEHOLD UTENSILS GROUP: subject to item 100500	
101200-A	Nutcrackers, other than in the form of figures or images, see Note, item 101201, or Nutpicks, NOI, etc...☒Cancel; obsolete.	
101201-A	NOTE—☒Cancel; no further application.	

ITEM	ARTICLE	CLASS
103080-A 103300-A	<p>INSULATION OR INSULATING MATERIAL GROUP: subject to item 103000</p> <p>Calcium Silicate and Fiber combined, with or without metal jacketing, etc...☒Cancel; see item 103300.</p> <p>Insulation or Insulating Material, viz.:</p> <p>Barriers, Shields, Windows or Glass Window Lights or Blocks, radiation shielding, with or without frames, see Note, item 103301;</p> <p>►Calcium Silicate;</p> <p>Felt or Felt Paper;</p> <p>Fire Blocking or Sound Attenuation Material, consisting of glass fibers and unexpanded vermiculite, in sheet form, cut, grooved or bent;</p> <p>Insulation or Insulating Material, NOI;</p> <p>Mineral Wool (Rock, Slag or Glass Wool) or Synthetic Vitreous Fiber;</p> <p>Silencers or Sound Traps, air duct, sheet steel or sheet steel and insulating material combined;</p> <p>Sleeves or Hollow Shapes, mold riser, exothermic compound;</p> <p>Sound Deadening Material, NOI;</p> <p>In packages, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
△103301-A	NOTE—Shipments must have protruding parts adequately protected from possible damage, or such parts must be detached and separately boxed.	
105545-A	IRON OR STEEL: subject to item 104000	
108640-A	Hoops or Rings , band saw wheel tire, reinforcement, etc...☒Cancel; obsolete.	
110760-A	Lacing , leather, etc...☒Cancel; obsolete.	
111640-A	LEATHER OR LEATHERBOARD: subject to item 110600	
112440-A	Leather Scrap , having value only for fertilizer purposes, etc...☒Cancel; obsolete.	
112680-A	Litharge , wet with water, etc...☒Cancel; obsolete.	
112440-A	LUMBER GROUP: subject to item 112000	
112680-A	Doubletrees, Eveners, Neckyokes or Singletrees , wooden, in the rough, whether or not creosoted or otherwise preservatively treated...☒Cancel; obsolete.	
112680-A	Hoops , coiled, wooden, etc...☒Cancel; obsolete.	
★114390	MACHINERY GROUP: subject to item 114000	
Sub 1	Bakers': subject to item 114300	
Sub 2	Dough Deposit, Forming or Make-Up Machines , see Note, item 114391:	
Sub 3	In boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 4	Less than 10.....	125
Sub 5	10 but less than 15.....	85
Sub 6	15 or greater.....	70
Sub 7	In packages other than boxes or crates, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 8	Less than 10.....	150
Sub 9	10 but less than 15.....	92.5
Sub 10	15 or greater.....	77.5
★114391	NOTE—Does not apply on machines that mix but do not otherwise work or prepare dough. For applicable provisions, see item 125750.	
114440-A	Dough Working Machines , etc...☒Cancel; see item 114390.	
114820-A	Bearings or Bushings, NOI: subject to item 114800	
△114822-A	Ball or roller, see Note, item 114822, ►in boxes, drums or Packages 1241 or 1273.....	77.5
116380-A	NOTE—Will also apply on ball or roller bearing or bushing parts, other than plastic, such as cups, cones and retainers, with or without balls or rolls, but will not apply on anti-friction bearing or bushing balls or rolls.	
119650-A	Candy Coolers, NOI , without legs or with legs detached, etc...☒Cancel; obsolete.	
124065-A	Distilling Apparatus: subject to item 119640	
124125-A	Turpentine, copper or copper and iron or steel combined...☒Cancel; obsolete.	
124145-A	Laundry: subject to item 124000	
124146-A	Household: subject to item 124035	
124185-A	Dryers (Drying Machines) , etc...☒Cancel; see item 124190.	
124186-A	Machines , washing and drying combined (Washer-Dryer Combinations or Combination Washer-Dryers), etc...☒Cancel; see item 124190.	
124186-A	Parts , laundry machine, metal, in mixtures, etc...☒Cancel; see provisions otherwise applicable.	
124186-A	NOTE—☒Cancel; no further application.	
124186-A	Washers (Washing Machines); or Parts thereof, NOI , other than metal, etc...☒Cancel; see item 124190 and provisions otherwise applicable.	
124186-A	NOTE—☒Cancel; no further application.	

ITEM	ARTICLE	CLASS
	MACHINERY GROUP: subject to item 114000	
	Laundry: subject to item 124000	
	Household: subject to item 124035	
★124190	Washers (Washing Machines) or Dryers (Drying Machines), see Note, item 124191, in boxes, crates or Packages 1019, 1022, 1082, 1254, 2030, 2386, 2408, 2540 or 2541, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 5.....	250
Sub 2	5 or greater.....	125
★124191	NOTE—Also applies on Washer-Dryer Combinations, including Laundry Centers.	
▶124670-A	Machines, pneumatic tire changing, iron or steel, air-powered or other than air-powered, or Parts thereof, NOI, in boxes, crates or Package 2190, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 10.....	125
Sub 2	10 or greater.....	77.5
125380-A	Mining, Ore Milling or Smelting: subject to item 125200	
125850-A	Frames, concentrating table or vanning machine, KD, etc...☒Cancel; obsolete.	
	Mufflers, Exhaust Systems, Automobile Pipe, Surge Suppressors and related articles, viz.:	
	Automobile Pipe or Tubing, steel, copper plate or terne plate, straight or bent, further processed than cut to length, see Note, item 125853;	
	Exhaust Systems, internal combustion engine, see Note, item 125851;	
	Hydraulic Accumulators;	
	Industrial Noise, Pulsation or Surge Suppressors or Silencers, see Note, item 125852;	
	Mufflers, Resonators, Spark Arresters or Silencers, internal combustion engine;	
	▶In packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
△125851-A	NOTE—Exhaust systems consist of mufflers, resonators or silencers and exhaust or tail pipes, with or without head pipes, collectors, manifolds or mounting hardware.	
△125852-A	NOTE—Also applies on named commodities when combined with spark arresters or when having spark arresting capabilities.	
△125853-A	NOTE—Applies on the following types of automobile pipe or tubing: crankcase breather, crankcase ventilator, gasoline tank filler, exhaust, oil filler, oil strainer suction, radiator outlet, tailpipe or tailpipe extensions, or gas tank filler pipe fittings.	
126060-A	Oil Mill: subject to item 125900	
	Oil Cake Press Boxes or Plates, iron or steel, etc...☒Cancel; obsolete.	
126181-A	Paper Machine Clothing, new or reconditioned: subject to item 126180	
	Felts or Fabrics, press or dryer section, natural or synthetic fiber, separate or combined or combined with metal fiber, ▶in boxes, closed-end fiberboard tubes, or wrapped rolls.....	85
127630-A	Pumps, fuel dispensing and metering, power, with or without display compartments, hoses, nozzles or other components necessary for operation, see Note, item 127631, ▶in boxes, crates or Packages 1389 or 2339....	125
△127631-A	NOTE—Applies on fuel dispensing pumps commonly found at gas stations and other similar locations for dispensing measured amounts of fuel.	
128020-A	Pumps, measuring, power, with or without enclosed display compartments, other than fuel dispensing pumps, see Note, item 128021:	
Sub 1	Used, having value only for reconditioning or for salvage of parts, actual value not exceeding \$50.00 each, see Note, item 128022, loose or in packages.....	70
Sub 2	NOI, ▶in boxes, crates or Packages 1389 or 2339.....	85
△128021-A	NOTE—For provisions applicable to fuel dispensing pumps, see item 127630, 'Pumps, fuel dispensing and metering, power.'	
△128022-A	NOTE—Shipper must certify on shipping orders and bills of lading at time of shipment that the actual value of each pump does not exceed \$50.00. If the shipper fails to so certify the actual value, sub 2 of the item will apply.	
★129060	Saws, power operated, portable, NOI, including Portable Sawmill Machines or Chainsaws:	
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 12.....	100
Sub 4	12 or greater.....	70
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 12.....	110
Sub 8	12 or greater.....	77.5

ITEM	ARTICLE	CLASS
	MACHINERY GROUP: subject to item 114000	
★130355	Spreaders , salt or sand, vehicle mounting:	
Sub 1	In boxes or crates:	
Sub 2	Greatest dimension exceeding 96 inches.....	200
Sub 3	Greatest dimension not exceeding 96 inches.....	175
Sub 4	In packages other than boxes or crates:	
Sub 5	Greatest dimension exceeding 96 inches.....	250
Sub 6	Greatest dimension not exceeding 96 inches.....	200
130700-A	Tanks: subject to item 130660	
130730-A	Butchers' Rendering , steel...☒Cancel; obsolete.	
	Digester , NOI, iron or steel, etc...☒Cancel; obsolete.	
131350-A	Textile Machine Parts: subject to item 131000	
131680-A	Protector or Dagger Rods , etc...☒Cancel; obsolete.	
133250-A	Track Laying Machines , KD...☒Cancel; obsolete.	
	Wood Sawing Machines (Saws and Engines combined) , portable, NOI, etc...☒Cancel; see item 129060.	
	METALS GROUP: subject to item 135300	
136220-A	Shot , britannia metal, etc...☒Cancel; obsolete.	
△137400-A	Mirrors , NOI, see Notes, items 79022, 137452 and 137456:	
△137420-A	Bent, in boxes:	
Sub 1	Not exceeding 15 feet in length nor 7½ feet in width.....	125
Sub 2	Exceeding 15 feet in length or 7½ feet in width.....	300
△137440-A	Not bent, in boxes:	
Sub 1	120 united inches or under, also in Packages 1F, 5F, 6F, 52F, 61F, 79F, 93F, 115F or 139F.....	100
Sub 2	Exceeding 120 united inches, but not exceeding 15 feet in length nor 7½ feet in width.....	125
Sub 3	Exceeding 15 feet in length or 7½ feet in width.....	250
△137452-A	NOTE—Shipments must be so packed and so loaded that glass rests on full flat edge.	
△137456-A	NOTE—The term 'united inches' means the sum of the two greatest dimensions (length and width) of package.	
	PLASTIC OR RUBBER ARTICLES, OTHER THAN EXPANDED, GROUP: subject to item 156500	
156830-A	Film or Sheeting , NOI, see Note, item 156831, ►in boxes, crates, wrapped bundles or rolls, or Packages 2057, 2059 or 2221, see Note, item 156832:	
Sub 1	Food or pharmaceutical grade, see Note, item 156834, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 2	Less than 15.....	110
Sub 3	15 but less than 30.....	77.5
Sub 4	30 or greater.....	65
Sub 5	Other than food or pharmaceutical grade as defined in Note, item 156834, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 6	Less than 15.....	92.5
Sub 7	15 but less than 30.....	65
Sub 8	30 or greater.....	55
△156831-A	NOTE—Does not apply on self-supporting (rigid) plastic sheet or plate. For applicable provisions, see item 156300.	
△156832-A	NOTE—Film or sheeting tendered for shipment on lift truck skids or pallets must not overhang the skid or pallet deck, and all exposed surfaces and edges must be completely wrapped with plastic film or corrugated fiberboard. Film or sheeting stacked on lift truck skids or pallets must be secured to the lift truck skid or pallet by means necessary to withstand the normal rigors of the less-than-truckload environment.	
△156834-A	NOTE—The term 'food or pharmaceutical grade' embraces film or sheeting that will be used in connection with food, foodstuffs, pharmaceuticals or other applications, and where exposure of the film or sheeting to hazardous materials, odor-emitting freight, debris or other contaminants will result in a claim for, or refusal of, all or part of the shipment. Bills of lading and shipping orders must be so notated, and shipping containers or packages must also be so marked.	
	RACKS: subject to item 163900	
164390-A	Racks and Related Articles, viz.:	
	Corrals , shopping cart (Cart Corrals), see Note, item 164393;	
	► Firewood Racks or Holders;	
	Racks , NOI;	
	Spice Racks , see Note, item 164394;	
	Swimming Pool Cover Racks or Reels;	
	In packages, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1.....	400
Sub 2	1 but less than 2.....	300
Sub 3	2 but less than 4.....	250
Sub 4	4 but less than 6.....	175
Sub 5	6 but less than 8.....	125
Sub 6	8 but less than 10.....	100
Sub 7	10 but less than 12.....	92.5
Sub 8	12 but less than 15.....	85
Sub 9	15 but less than 22.5.....	70
Sub 10	22.5 but less than 30.....	65
Sub 11	30 or greater.....	60
△164393-A	NOTE—Applies on containment systems or structures for storing or holding shopping carts in parking lots.	
△164394-A	NOTE—Spice racks may be shipped with complement of empty bottles or jars in same package.	

SUPPLEMENT 4 TO NMF 100-AV

ITEM	ARTICLE	CLASS
175885-A	Signals , road traffic, light flashing, including Traffic Lights , in boxes or crates; or when trailer mounted, ► in packages; subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
175887-A	NOTE—☒Cancel; no further application.	
176050-A	Signs , NOI, prepaid, see Notes, items 176051 and 176052, in boxes, crates or Packages 1160 or 2337, see ►Note, item 176053, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
△176051-A	NOTE—Also applies on letters, numbers, figures or symbols not of themselves constituting complete signs.	
△176052-A	NOTE—Provisions also apply on sign faces or facings.	
△176053-A	NOTE—Neon signs may also be shipped in Package 546.	
176054-A	NOTE—☒Cancel; no further application.	
177670-A	Sprayers , handheld or hand operated; or Foggers , handheld or hand operated; with or without motors, see ►Note, item 177674, ►in packages, ►see Note, item 177684, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 1	400
Sub 2	1 but less than 2	300
Sub 3	2 but less than 4	250
Sub 4	4 but less than 6	175
Sub 5	6 but less than 8	125
Sub 6	8 but less than 10	100
Sub 7	10 but less than 12	92.5
Sub 8	12 but less than 15	85
Sub 9	15 but less than 22.5	70
Sub 10	22.5 but less than 30	65
Sub 11	30 or greater	60
△177674-A	NOTE—Applies on sprayers or spraying devices other than when: wheeled; trailer mounted; with integral skid bases; or designed for trailer, vehicle or wheel mounting.	
177680-A	Sprayers , NOI, see Note, item 177682; Steam or Water Cleaning Outfits , separate or combined; or Snowmaking Machines ; wheeled; trailer mounted; with integral skid bases; or for trailer, vehicle, aircraft or wheel mounting; with or without engines:	
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	150
Sub 3	8 or greater	92.5
Sub 4	►In packages other than boxes or crates, see Note, item 177684, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 5	Less than 8	250
Sub 6	8 or greater	110
△177682-A	NOTE—Applies on sprayers of liquids or powders.	
177684-A	NOTE—Small detachable parts must be ►in boxes or in sprayer barrel or tank.	
►191710-A	VEHICLE PARTS: subject to item 190500 Fenders , boat-carrying or utility trailer, or snow or ice vehicle:	
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	200
Sub 3	8 but less than 12	100
Sub 4	12 or greater	70
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	250
Sub 7	8 but less than 12	110
Sub 8	12 or greater	77.5

ITEM	ARTICLE	CLASS
194120-A	<p>WASHERS; GASKETS; OR PACKING DEVICES, FORMS OR SHAPES, OTHER THAN PACKAGING: subject to item 194000</p> <p>Washers; Gaskets; or Packing Devices, Forms or Shapes, other than packaging; NOI, in bags, boxes or crates, or in wrapped rolls secured ►on lift truck skids or pallets, subject to Item 170 and having a density in pounds per cubic foot of:</p> <p>Sub 1 Less than 1 400</p> <p>Sub 2 1 but less than 2 300</p> <p>Sub 3 2 but less than 4 250</p> <p>Sub 4 4 but less than 6 175</p> <p>Sub 5 6 but less than 8 125</p> <p>Sub 6 8 but less than 10 100</p> <p>Sub 7 10 but less than 12..... 92.5</p> <p>Sub 8 12 but less than 15..... 85</p> <p>Sub 9 15 but less than 22.5..... 70</p> <p>Sub 10 22.5 but less than 30..... 65</p> <p>Sub 11 30 or greater 60</p>	
200280-A	<p>YARN:...☒Cancel; no further application.</p>	
200300-A	<p>Cellulose Sponge Coated, etc...☒Cancel; see item 200420.</p>	
200320-A	<p>Coconut Husk (Cocoa or Coir Yarn), etc...☒Cancel; see item 200420.</p>	
200340-A	<p>Cotton Mop, etc...☒Cancel; see item 200420.</p>	
200380-A	<p>Cotton, NOI, other than in skeins, balls, hanks or on cards, etc...☒Cancel; see item 200420.</p>	
200400-A	<p>Jute, other than in skeins, balls or hanks, etc...☒Cancel; see item 200420.</p>	
★200420	<p>Yarn, NOI, in bales, boxes or Packages 2015, 2017, 2018, 2120, 2123, 2151, 2152, 2153, 2154, 2155, 2156 or 2295, subject to Item 170 and having a density in pounds per cubic foot of:</p>	
Sub 1	Less than 1 400	400
Sub 2	1 but less than 2 300	300
Sub 3	2 but less than 4 250	250
Sub 4	4 but less than 6 175	175
Sub 5	6 but less than 8 125	125
Sub 6	8 but less than 10 100	100
Sub 7	10 but less than 12 92.5	92.5
Sub 8	12 but less than 15 85	85
Sub 9	15 but less than 22.5 70	70
Sub 10	22.5 but less than 30 65	65
Sub 11	30 or greater 60	60
200430-B	<p>Synthetic Fiber, NOI; or Cotton and Synthetic Fiber Blended, NOI, etc...☒Cancel; see item 200420.</p>	
200432-B	<p>NOTE—☒Cancel; no further application.</p>	
200440-A	<p>Yarn, NOI, etc...☒Cancel; see item 200420.</p>	

SPECIFICATIONS FOR NUMBERED PACKAGES

<input checked="" type="checkbox"/> Cancel; no further application.	Package 84
<input checked="" type="checkbox"/> Cancel; no further application.	Package 122
<input checked="" type="checkbox"/> Cancel; no further application.	Package 180
<input checked="" type="checkbox"/> Cancel; no further application.	Package 202
<input checked="" type="checkbox"/> Cancel; no further application.	Package 278
<input checked="" type="checkbox"/> Cancel; no further application.	Package 693
<input checked="" type="checkbox"/> Cancel; no further application.	Package 709
<input checked="" type="checkbox"/> Cancel; no further application.	Package 1247
<input checked="" type="checkbox"/> Cancel; no further application.	Package 2058
<input checked="" type="checkbox"/> Cancel; no further application.	Package 2067
<input checked="" type="checkbox"/> Cancel; no further application.	Package 2068
<input checked="" type="checkbox"/> Cancel; no further application.	Package 2081
<input checked="" type="checkbox"/> Cancel; no further application.	Package 2083
<input checked="" type="checkbox"/> Cancel; no further application.	Package 2088
<input checked="" type="checkbox"/> Cancel; no further application.	Package 2089
<input checked="" type="checkbox"/> Cancel; no further application.	Package 2092
<input checked="" type="checkbox"/> Cancel; no further application.	Package 2095

SPECIFICATIONS FOR NUMBERED PACKAGES

Package 2103

Cancel; no further application.

Package 2105

Cancel; no further application.

Package 2106

Cancel; no further application.

Package 2108

Cancel; no further application.

Package 2112

Cancel; no further application.

Package 2131

Cancel; no further application.

Package 2136

Cancel; no further application.

Package 2162

Cancel; no further application.

Package 2172

Cancel; no further application.

Package 2186

Cancel; no further application.

Package 2208

Cancel; no further application.

Package 2282

Cancel; no further application.

Package 2431

Cancel; no further application.

Package 2451

Cancel; no further application.

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DOCUMENTS AND GOVERNING RULES FOR TENDERING SHIPMENTS

►ITEM 250150-A

UNIFORM STRAIGHT BILL OF LADING

ORIGINAL—NOT NEGOTIABLE

Carrier's Pro No. (Sticker):	Date:
Pick Up Carrier's Name/SCAC:	Shipper's Bill of Lading No.:
Delivering Carrier's Name/SCAC:	PO No.:
	Load No.:

Shipper's Name:	Shipper's Contact Person:		
Address:	City:	State:	Zip:

Consignee's Name:			
Address:	City:	State:	Zip:
Consignee's Contact Person:	Consignee's Contact Phone No. or Email:		

Send freight bill to:

Company:	Contact Person:
Address, City, State, Zip:	

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT []
 The carrier may decline to make delivery of this shipment without payment of freight and all other lawful charges.

Additional Shipment Information:
Requested Additional Services:
Emergency Response Contact Name & Phone No.:
Contact to notify if problems enroute or at delivery:

** Information provided in table below is subject to correction**

No. & Type of Handling Units	No. & Type of Individual Packages	HM	Description of Articles, Packages, Special Marks and Exceptions (See Notes 1 and 2; NMFC Item 250100)	Requires additional care or attention (Y/N; See Note 3)	NMFC Item Number & Subprovision	NMFC Class	Total Weight (Pounds)	Extreme Dimensions (inches) L x W x H

☒ Mark "X" to designate Hazardous Materials as defined in USDOT Regulations.
 NOTE (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property as follows:
 "The agreed or declared value of the property is specifically stated by the shipper to be not exceeding _____per_____."
NOTE (2) Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).
 NOTE (3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation with ordinary care. See NMFC Item 250100.

RECEIVED: Subject to the rates and/or contracts agreed upon in writing between the carrier and the shipper otherwise to the rates, classifications, and rules published by the carrier and available to the shipper upon request. The property described, except as noted, was received in apparent good order, except that the contents of packages and their condition are not known. Carrier, either by direct service or by interline service with another carrier, will deliver the shipment as marked, consigned and destined as shown. All services to be performed by the carrier are subject to the terms and conditions of the Uniform Straight Bill of Lading found in the current issue of the National Motor Freight Classification. Shipper certifies that it has knowledge of all the terms and conditions of this bill of lading, and agrees to and accepts them for itself and any assigns.

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

DOCUMENTS AND GOVERNING RULES FOR TENDERING SHIPMENTS

ITEM 250150-A-Continued

UNIFORM STRAIGHT BILL OF LADING TERMS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Sec. 7. (a) The consignor, consignee, or shipper shall be liable for the freight and other lawful charges accruing on the shipment, as billed or corrected as specified in 49 U.S.C. §13710, and carrier may require prepayment of the charges prior to delivery and refuse to give up possession at the destination until payment is made, as specified in 49 U.S.C. § 13707(a).

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

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

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

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

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

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

DOCUMENTS AND GOVERNING RULES FOR TENDERING SHIPMENTS

▶ITEM 250160-A

STRAIGHT BILL OF LADING—SHORT FORM
ORIGINAL—NOT NEGOTIABLE

Carrier's Pro No. (Sticker):	Date:
Pick Up Carrier's Name/SCAC:	Shipper's Bill of Lading No.:
Delivering Carrier's Name/SCAC:	PO No.:
	Load No.:

Shipper's Name:	Shipper's Contact Person:		
Address:	City:	State:	Zip:

Consignee's Name:			
Address:	City:	State:	Zip:
Consignee's Contact Person:	Consignee's Contact Phone No. or Email:		

Send freight bill to:

Company:	Contact Person:
Address, City, State, Zip:	

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT []
 The carrier may decline to make delivery of this shipment without payment of freight and all other lawful charges.

Additional Shipment Information:
Requested Additional Services:
Emergency Response Contact Name & Phone No.:
Contact to notify if problems enroute or at delivery:

** Information provided in table below is subject to correction**

No. & Type of Handling Units	No. & Type of Individual Packages	HM	Description of Articles, Packages, Special Marks and Exceptions (See Notes 1 and 2; NMFC Item 250100)	Requires additional care or attention (Y/N; See Note 3)	NMFC Item Number & Subprovision	NMFC Class	Total Weight (Pounds)	Extreme Dimensions (inches) L x W x H

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

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

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

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

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

NOTE (4) Bill of Lading Terms and Conditions shall be provided upon written or electronic request per 49 U.S.C. § 13710(a).

RECEIVED: Subject to the rates and/or contracts agreed upon in writing between the carrier and the shipper otherwise to the rates, classifications, and rules published by the carrier and available to the shipper upon request. The property described, except as noted, was received in apparent good order, except that the contents of packages and their condition are not known. Carrier, either by direct service or by interline service with another carrier, will deliver the shipment as marked, consigned and destined as shown. All services to be performed by the carrier are subject to the terms and conditions of the Uniform Straight Bill of Lading found in the current issue of the National Motor Freight Classification. Shipper certifies that it has knowledge of all the terms and conditions of this bill of lading, and agrees to and accepts them for itself and any assigns.

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

PROCEDURES GOVERNING DETENTION

★ITEM 450100**APPLICATION**

These procedures govern the imposition of charges for detention of vehicles with or without power units during transportation of freight in interstate or foreign commerce by motor carriers that are participants in the National Motor Freight Classification.

★ITEM 450110**DEFINITIONS**

(a) Detention, vehicle with power unit – When a vehicle with power unit (tractor) and driver is delayed or detained at the designated pickup or delivery premises, or as close thereto as conditions will permit, for loading or unloading of freight, beyond the free time allowed for those services.

(b) Detention, trailer without power unit – When a vehicle without a power unit (spotted or dropped trailer) is delayed or detained on the designated pickup or delivery premises, beyond the free time allowed for loading or unloading of freight. A trailer is spotted or dropped when it is placed at a site designated by a consignor, consignee, or their representative, detached from the tractor, and left in full possession of the consignor, consignee, or their representative unattended by any carrier employee.

(c) Free time – Time allowed without charge for loading or unloading of freight. After expiration of free time, a detention charge will be imposed.

(d) Loading time – The placement of freight as tendered in a vehicle. Loading includes stowing and counting the freight in or on the carrier's vehicle, and furnishing the carrier a signed Bill of Lading and/or any other documents necessary to transport the freight.

(e) Unloading time – Unloading involves the removal of freight as tendered from a vehicle. Unloading includes surrender to the consignee of the delivery receipt, payment of lawful charges to carrier when required prior to delivery of the freight, notification to carrier that a vehicle is unloaded, and signing the delivery receipt when delivering carrier's agent is present at unloading.

(f) Advanced charges – Charges paid by carrier for services incidental to the transportation of freight that are performed by another party, including, but not limited to, demurrage or lumping charges.

★ITEM 450120**FREE TIME**

(a) The amount of free time allowed shall be established independently by each carrier, and may vary depending upon the number of shipments per stop, the type of equipment, the weight of the freight, whether it is fully palletized or non-palletized, how it is packaged, or other criteria deemed relevant by a carrier.

(b) Free time for vehicles with power units will begin upon arrival of the vehicle at the designated pickup or delivery premises, or as close thereto as conditions will permit, as arrival is regularly determined by carrier. Methods used to determine arrival time typically are arrival as indicated by GPS or other telematic device used by carrier, or arrival as recorded by driver. Free time will end upon completion of loading and receipt by the driver of a signed bill of lading, or completion of unloading and receipt by the driver of a signed delivery receipt.

(c) Free time for vehicles without power units will begin when the trailer is placed at the designated pickup or delivery premises, or as close thereto as conditions will permit, and will end when the time period allowed by the carrier for loading or unloading comes to an end. Free time and detention charges will accrue until consignor, consignee, or their representative, notifies carrier that loading or unloading has been completed, and the trailer is available for pickup.

(d) When consignor tenders or consignee receives more than one shipment at the same time, the combined weight will be used to determine free time.

(e) When a vehicle is both unloaded and loaded, each transaction will be treated independently of the other for purposes of calculating free time, unless loading is begun before unloading is completed, in which case free time for loading shall not begin until free time for unloading has expired.

(f) Because free time is based upon the freight as tendered to carrier and signed for, time spent assembling, packing, unpacking, breaking down, dismantling, inspecting, sorting, segregating, palletizing, and/or recouping freight shall be treated as detention time even absent actual delays beyond the amount of free time that would otherwise be allowed.

★ITEM 450130**NOTIFICATION OR APPOINTMENT; LIMITED OPERATING HOURS**

(a) A carrier may impose an additional charge when required to schedule an appointment or otherwise establish a specific time for pickup or delivery of freight.

(b) A request that carrier call before arrival for carrier convenience, or similarly worded requests, will be deemed to require a scheduled appointment.

(c) When a pre-arranged pickup or delivery appointment is required, such appointments can be scheduled on a one-time or continuous basis.

(d) Free time will not include wait time before a scheduled appointment time unless early arrival is required to make appointment due to lines or check-in procedures, in which case free time shall begin at arrival at designated pickup or delivery premises.

(e) If, through no fault of the carrier, the shipment cannot be delivered at the scheduled time, the freight will be placed on-hand and notification of its availability will be sent. Once placed on-hand, storage charges may be assessed. When freight is on-hand, the legal liability of a carrier is that of a warehouseman.

(f) The carrier has the right to assess storage charges when an appointment cannot be scheduled within some specified time period due to limited delivery hours, overbooking, inability to locate consignee, or other cause not the fault of the carrier.

PROCEDURES GOVERNING DETENTION

★ITEM 450140

CHARGES

- (a) The charges for detention, including but not limited to the time increments for which detention will accrue, the per shipment or per trailer charges, and the minimum charge if any, shall be established independently by each carrier.
- (b) Detention charges will not accrue when delay or detention is attributable to the carrier.
- (c) Charges will be assessed against the payor of the freight charges unless payment has been guaranteed to the satisfaction of the carrier by the consignor, consignee or third party.

★ITEM 450150

DOCUMENTATION OF DETENTION

- (a) Detention charges must be supported by documentation that allows the shipper, consignor, consignee, or payor to determine the additional amounts due for that service. Such documentation shall be provided to shipper, consignor, consignee, or payor upon request.
- (b) Supporting information should include, but need not be limited to,
 - 1. Date and time of arrival;
 - 2. Date and time the vehicle was released for departure;
 - 3. Non-working time, if any, with description of activity during that time;
 - 4. Total weight loaded or unloaded per vehicle stop, when weight could affect detention time.
- (c) Where carrier documentation of detention varies from that of the consignor or consignee, the carrier's records shall prevail and be binding upon both parties.
- (d) Records supporting the imposition of detention charges shall be retained for three years.

★ITEM 450160

UNREASONABLE DETENTION

- (a) Each carrier may at its discretion independently establish a period of time beyond free time when delay or detention at any facility, including but not necessarily limited to grocery warehouses, fulfillment centers, and/or warehouse distribution centers, becomes so unreasonable that the carrier may leave the facility with freight.
- (b) When a carrier leaves a facility with freight due to what has been defined as unreasonable detention, the carrier may place the freight on-hand and assess storage charges until it is picked up by the consignee or until redelivery is scheduled and the freight unloaded without unreasonable delay or detention.

★ITEM 450170

ADVANCED CHARGES

In the event that a carrier is required to pay for additional services as a condition to delivery/pickup, that carrier shall be fully reimbursed for such advanced charges, including but not limited to lumping, demurrage, or other fees paid, by the payor of the linehaul freight charges on the shipment. Such charges may be billed together with freight charges if known at the time of such billing or by subsequent billing as necessary.

MODEL AGREEMENTS

★ITEM 600400

MODEL CARRIER-BROKER AGREEMENT

NMFTA has developed a Model Carrier-Broker Agreement designed to set forth sample terms and conditions governing transportation services and arrangements between a motor carrier and a broker. The Model Carrier-Broker Agreement is available for use exclusively by motor carriers participating in the NMFC. For more information, please contact NMFTA Customer Service at customerservice@nmfta.org or 866-441-6632.

EXPLANATION OF ABBREVIATIONS AND REFERENCE MARKS

Abbreviation or Reference Mark	Explanation	Abbreviation or Reference Mark	Explanation
ASTM	ASTM International	Sec.	Section
Avdp.	Avoidupois	sq.	square
°C	degree Centigrade (Celsius)	sq. ft.	square foot; square feet
CFR	Code of Federal Regulations	sq. in.	square inch(es)
cm	centimeter(s)	STB	Surface Transportation Board
COD	Collect on Delivery	SU	Set Up
Cont'd	Continued	t/a	trading as
cu	cubic	t/d/b/a	trading and doing business as
cu. ft.	cubic foot; cubic feet	™	Trademark
DOT	Department of Transportation	UN	United Nations
d/b/a	doing business as	U.S.	United States
etc.	et cetera (and other things, or the rest; and so forth)	USC	United States Code
°F	degree Fahrenheit	viz.	namely
g	gram	vol.	volume
gal	gallon(s)	vs.	versus
in.	inch(es)	&	and
incl.	inclusive	°	degree
ISTA	International Safe Transit Association	%	percent
KD	Knocked Down	§	Section
kg	kilogram	☠	Indicates commodity or commodities may be subject to special federal regulations concerning the shipping of hazardous materials. See Item (Rule) 540 herein.
kPa	Kilopascal	▶	Indicates change
L	liter	☒	Indicates cancelation of item or package
lbs.	pounds	△	Indicates that the item is being brought forward without change
m	meter(s)	★	Indicates new item, package or participating carrier
ml	milliliter(s)	Ⓐ	Addition to Index to Articles
mm	millimeter(s)	Ⓑ	Eliminate from Index to Articles
MPa	Megapascal	Ⓒ	Change in Index to Articles
NMFC	National Motor Freight Classification	Ⓔ	These provisions are subject to the expiration date as shown in Item (Rule) 535.
NMFTA	National Motor Freight Traffic Association, Inc.	Ⓘ	The participation of this carrier is CANCELED; provisions of this Classification no longer apply for account of this carrier.
NOI	Not more specifically described herein	Ⓟ	Under postponement
o/a	operating as	®	Registered trade name or registered trademark
oz.	ounce(s)	⊕	Effective November 17, 2022, under authority of 49 CFR §1312.6(b)(3).
pcf	pounds per cubic foot	●	Indicates correction of printing error
psi	pounds per square inch		
qt.	quart		
RSorL	Classed the same or lower		
r.p.m.	revolutions per minute		
SCAC	Standard Carrier Alpha Code — The SCAC (alpha code) listings in this Classification represent only those carriers participating in the NMFC. For a complete listing of all assigned alpha codes, see the Directory of Standard Carrier Alpha Codes, NMF 101.		

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