

an authorized official of a federal, state, or local government agency at reasonable times and locations. For a hazardous waste, each shipping paper copy must be retained for three years after the material is accepted by the initial carrier. For all other hazardous materials, each shipping paper copy must be retained by the operator for one year after the material is accepted by the initial carrier. Each shipping paper copy must include the date of acceptance by the carrier. The date on the shipping paper may be the date a shipper notifies the air carrier that a shipment is ready for transportation, as indicated on the air bill or bill of lading, as an alternative to the date the shipment is picked up or accepted by the carrier. Only an initial carrier must receive and retain a copy of the shipper's certification, as required by § 172.204 of this subchapter.

(2) Retain a copy of each notification of pilot-in-command, an electronic image thereof, or the information contained therein for 90 days at the airport of departure or the operator's principal place of business.

(3) Have the information required to be retained under this paragraph readily accessible at the airport of departure and the intended airport of arrival for the duration of the flight leg.

(4) Make available, upon request, to an authorized official of a Federal, State, or local government agency (including an emergency responder(s)) at reasonable times and locations, the documents or information required to be retained by this paragraph. In the event of a reportable incident, as defined in § 171.15 of this subchapter, make immediately available to an authorized official of a Federal, State, or local government agency (including an emergency responders), the documents or information required to be retained by this paragraph.

(d) The documents required by paragraphs (a) and (b) this section may be combined into one document if it is given to the pilot-in-command before departure of the aircraft.

[71 FR 14604, Mar. 22, 2006, as amended at 72 FR 25177, May 3, 2007; 73 FR 57006, Oct. 1, 2008; 74 FR 2267, Jan. 14, 2009]

### Subpart B—Loading, Unloading and Handling

#### § 175.75 Quantity limitations and cargo location.

(a) No person may carry on an aircraft a hazardous material except as permitted by this subchapter.

(b) Except as otherwise provided in this subchapter, no person may carry a hazardous material in the cabin of a passenger-carrying aircraft or on the flight deck of any aircraft, and the hazardous material must be located in a place that is inaccessible to persons other than crew-members. Hazardous materials may be carried in a main deck cargo compartment of a passenger aircraft provided that the compartment is inaccessible to passengers and that it meets all certification requirements for a Class B aircraft cargo compartment in 14 CFR 25.857(b) or for a Class C aircraft cargo compartment in 14 CFR 25.857(c). A package bearing a KEEP AWAY FROM HEAT handling marking must be protected from direct sunshine and stored in a cool and ventilated place, away from sources of heat.

(c) For each package containing a hazardous material acceptable for carriage aboard passenger-carrying aircraft, no more than 25 kg (55 pounds) net weight of hazardous material may be loaded in an inaccessible manner. Loaded in an inaccessible manner means cargo that is loaded in such a manner that a crew member or other authorized person cannot handle, and when size and weight permit, separate such packages from other cargo during flight. This includes materials loaded in a freight container in an accessible cargo compartment. In addition to the 25 kg limitation above, an additional 75 kg (165 pounds) net weight of Division 2.2 (non-flammable compressed gas) may be loaded in an inaccessible manner. These requirements do not apply to Class 9 and ORM-D materials.

(d) Each package displaying a "Cargo Aircraft Only" label must be loaded on cargo aircraft as follows:

(1) In a manner that a crew member or other authorized person can access, handle and when size and weight permit, separate such packages from other cargo during flight;

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(2) In a cargo compartment certified by FAA as a Class C aircraft cargo compartment as defined in 14 CFR 25.857(c); or

(3) In an FAA-certified freight container that has an approved fire or smoke detection system and fire suppression system equivalent to that required by the certification requirements for a Class C aircraft cargo compartment.

(e) For cargo aircraft only, the requirements of paragraph (c) and (d) do not apply to the following hazardous materials:

(1) Class 3—Packing Group III (that do not meet the definition of another hazard class), Division 6.1 (except those also labeled FLAMMABLE), Division 6.2, Class 7, Class 9 or ORM-D.

(2) Division 2.2 in that an additional 75 kg (165 pounds) net weight of Division 2.2 material is authorized in inaccessible locations.

(3) Packages of hazardous materials transported aboard a cargo aircraft, when other means of transportation are impracticable or not available, in accordance with procedures approved in writing by the FAA Regional or Field Security Office in the region where the operator is located.

(4) Packages of hazardous materials carried on small, single pilot, cargo aircraft if:

(i) No person is carried on the aircraft other than the pilot, an FAA inspector, the shipper or consignee of the material, a representative of the shipper or consignee so designated in writing, or a person necessary for handling the material;

(ii) The pilot is provided with written instructions on the characteristics and proper handling of the materials; and

(iii) Whenever a change of pilots occurs while the material is on board, the new pilot is briefed under a hand-to-hand signature service provided by the operator of the aircraft.

(f) At a minimum, quantity limits and loading instructions in the following quantity and loading tables must be followed to maintain acceptable quantity and loading between packages containing hazardous materials. These requirements do not apply to Class 9 or ORM-D materials. For cargo aircraft only packages containing hazardous materials, packages loaded in conformance with paragraph (d) of this section are considered accessible for the purposes of the Cargo Only Aircraft table. The quantity and loading tables are as follows:

Section 175.75 Quantity and Loading Tables

**PASSENGER AIRCRAFT**

Packages Authorized for Transport Onboard a Passenger Aircraft

In an accessible cargo compartment		
If packages are accessible	If packages are inaccessible	If packages are in a freight container
No limit .....	25 kg per compartment plus an additional 75 kg of Division 2.2 material. (see Note 1).	25 kg per container plus an additional 75 kg of Division 2.2 material. (see Note 1).
In an inaccessible cargo compartment		
If packages are not in a freight container	If packages are in a freight container	
25 kg per compartment plus an additional 75 kg of Division 2.2 material. (see Note 1).	25 kg per compartment plus an additional 75 kg of Division 2.2 material. (see Note 1).	

**CARGO ONLY AIRCRAFT**

Packages Authorized for Transport Onboard a Passenger Aircraft

In an accessible cargo compartment		
If packages are accessible	If packages are inaccessible	If packages are in a freight container
No limit .....	25 kg per compartment plus an additional 75 kg of Division 2.2 material. (see Note 1).	25 kg per container plus an additional 75 kg of Division 2.2 material. (see Note 1).
In an inaccessible cargo compartment		

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If packages are not in a freight container	If packages are in a freight container
25 kg per compartment plus an additional 75 kg of Division 2.2 material. (see Note 1).	25 kg per compartment plus an additional 75 kg of Division 2.2 material. (see Note 1).

**Packages Only Authorized for Transport Aboard a Cargo Aircraft**

In an accessible cargo compartment

If packages are accessible	If packages are inaccessible	If packages are in a freight container and are accessible	If packages are in a freight container and are inaccessible
No limit .....	Forbidden. (see Note 1) .....	No Limit .....	Forbidden. (see Note 1).

In an inaccessible cargo compartment

If packages are not in a freight container	If packages are in a freight container
Forbidden. (see Note 1) .....	Forbidden. (see Note 1).

- Note 1:** The following materials are not subject to this restriction:  
 a. Class 3, PG III (unless the hazardous material meets the definition of another hazard class).  
 b. Class 6 (unless also labeled as a flammable liquid).  
 c. Class 7 (unless the hazardous material meets the definition of another hazard class).

[71 FR 14604, Mar. 22, 2006, as amended at 72 FR 55693, Oct. 1, 2007; 74 FR 2267, Jan. 14, 2009]

EDITORIAL NOTE: The following amendment could not be incorporated into §175.75 because of the inaccurate amendatory instruction. For the convenience of the user the amendatory instruction and text is set forth as follows:

At 71 FR 54395, Sept. 14, 2006, §175.75 was amended in part by revising paragraph (e) (5).

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\* \* \* \* \*

(e) \* \* \*

(5) At a minimum, quantity limits and loading instructions in the following quantity and loading tables must be followed to maintain acceptable quantity and loading distances between packages containing haz-

ardous materials. These requirements do not apply to Class 9 or ORM-D materials. The quantity and loading tables are as follows:

**Section 175.75 Quantity and Loading Tables**

\* \* \* \* \*

**CARGO ONLY AIRCRAFT**

[Packages authorized for transport onboard a passenger aircraft]

In an accessible cargo compartment

If packages are accessible	If packages are inaccessible	If packages are in a Freight Container
No limit .....	25 kg per compartment plus an additional 75 kg of Division 2.2 material (see Note 1).	25 kg per container plus an additional 75 kg of Division 2.2 material (see Note 1).

In an inaccessible cargo compartment

If packages are not in a freight container	If packages are in a freight container
25 kg per compartment plus an additional .....	25 kg per compartment plus an additional 75 kg of Division 2.2 material (see Note 1).
75 kg of Division 2.2 material .....	25 kg per compartment plus an additional 75 kg of Division 2.2 material (see Note 1).

**PACKAGES ONLY AUTHORIZED FOR TRANSPORT ABOARD A CARGO AIRCRAFT**

In an accessible cargo compartment

If packages are accessible	If packages are inaccessible	If packages are in a freight container and are accessible	If packages are in a freight container and are inaccessible
No limit .....	Forbidden (see Note 1) .....	No Limit .....	Forbidden (see Note 1).

In an inaccessible cargo compartment	
If packages are not in a freight container	If packages are in a freight container
Forbidden (see Note 1) .....	Forbidden (see Note 1).

NOTE 1: Except the following materials are not subject to this restriction:

- a. Class 3, PG III (unless the hazardous material meets the definition of another hazard class)
- b. Class 6 (unless also labeled as a flammable liquid)
- c. Class 7 (unless the hazardous material meets the definition of another hazard class)

**§ 175.78 Stowage compatibility of cargo.**

(a) For stowage on an aircraft, in a cargo facility, or in any other area at an airport designated for the stowage of hazardous materials, packages containing hazardous materials which

might react dangerously with one another may not be placed next to each other or in a position that would allow a dangerous interaction in the event of leakage.

(b) At a minimum, the segregation instructions prescribed in the following Segregation Table must be followed to maintain acceptable segregation between packages containing hazardous materials with different hazards. The Segregation Table instructions apply whether or not the class or division is the primary or subsidiary risk. The Segregation Table follows:

SEGREGATION TABLE

Hazard label	Class or division							
	1	2	3	4.2	4.3	5.1	5.2	8
1 .....	Note 1	Note 2						
2 .....	Note 2	.....	.....	.....	.....	.....	.....	.....
3 .....	Note 2	.....	.....	.....	.....	X	.....	.....
4.2 .....	Note 2	.....	.....	.....	.....	X	.....	.....
4.3 .....	Note 2	.....	.....	.....	.....	.....	.....	X
5.1 .....	Note 2	.....	X	X	.....	.....	.....	.....
5.2 .....	Note 2	.....	.....	.....	.....	.....	.....	.....
8 .....	Note 2	.....	.....	.....	X	.....	.....	.....

(c) Instructions for using the Segregation Table are as follows:

(1) Hazard labels, classes or divisions not shown in the table are not subject to segregation requirements.

(2) Dots at the intersection of a row and column indicate that no restrictions apply.

(3) The letter “X” at the intersection of a row and column indicates that packages containing these classes of hazardous materials may not be stowed next to or in contact with each other, or in a position which would allow interaction in the event of leakage of the contents.

(4) Note 1. “Note 1” at the intersection of a row and column means the following:

(i) Only Division 1.4, Compatibility Group S, explosives are permitted to be transported aboard a passenger aircraft. Only certain Division 1.3, Com-

patibility Groups C and G, and Division 1.4, Compatibility Groups B, C, D, E, G and S, explosives may be transported aboard a cargo aircraft.

(ii) Division 1.4 explosives in Compatibility Group S may be stowed with Division 1.3 and 1.4 explosives in compatibility groups as permitted aboard aircraft under paragraph (c)(4)(i) above.

(iii) Except as otherwise provided in this Note, explosives of different compatibility groups may be stowed together whether or not they belong to the same division.

(iv) Division 1.4B and Division 1.3 explosives may not be stowed together. Division 1.4B explosives must be loaded into separate unit load devices and, when stowed aboard the aircraft, the unit load devices must be separated by other cargo with a minimum separation of 2 m (6.5 feet). When not loaded in unit load devices, Division 1.4B and