



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

APR 16 2004

DOT-E 12067
(FOURTH REVISION)

EXPIRATION DATE: March 31, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: United Parcel Service Co.
Louisville, KY
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of Compressed gases, n.o.s., Division 2.2 materials in a non-DOT specification pressure vessel used as a component in an aircraft evacuation slide. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.3(a), 173.301(a)(2) and 173.302a(a) in that a non-DOT specification cylinder is not authorized, except as specified herein.

5. BASIS: This exemption is based on the application of United Parcel Service Co. dated March 26, 2004, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Compressed gases, n.o.s.	2.2	UN1956	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a pressure vessel manufactured by Tavco, Inc., of Chatsworth, CA (TAVCO DWG. 2370026) identified by B. F. Goodrich Part No. 4A3048 and used in the upperdeck evacuation slide assembly (B.F. Goodrich Part No. 4A3037) for Boeing 747 aircraft as shown on Figure 1101 (Sheet 10), Page 1112 dated January 13, 1994, on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA). The pressure vessel, with a maximum service pressure of 3,000 psig and a maximum volume of 1,400 cubic inches, must be fabricated of welded steel hemispheres and designed, constructed and marked in accordance with MIL-R-R-8573A(ASG) dated July 31, 1957 (entitled "Reservoirs, Air, Non-Shatterable Steel") as amended by Amendment 4 (also on file with OHMEA) except that the gunfire requirements in 4.4.11 do not apply.

b. TESTING - The pressure vessel must be retested in accordance with the requirements for DOT Specification 3AA cylinder as contained in 49 CFR 180.205 except that:

(i) the retest period is to be 3 years;

(ii) permanent volumetric expansion may not exceed 10 percent of the total expansion at test pressure;

(iii) the pressure vessel will be durably marked with the date of the last retest and with the retester's identification number issued by the Associate Administrator. These markings may be applied by means

of printing directly onto the pressure vessel or may appear on a label that is securely attached to the pressure vessel.

c. OPERATIONAL CONTROLS -

(i) The pressure vessel must be inspected at least every six years and radiographed in accordance with B. F. Goodrich "Aircraft Evacuation Systems Overhaul Manual w/IPL, 4A3037/4A3038 Series".

(ii) Transportation of the packaging must be on vehicles owned by UPS and be limited to transportation on public highway between the point of charging and the airport maintenance facility which may in no case exceed a one-way distance of 10 miles.

(iii) No more than one package may be transported per vehicle.

8. SPECIAL PROVISIONS:

a. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

b. The pressure vessel must not be refilled on a date more than 24 years after the date of manufacture marked on the pressure vessel.

c. Marking - The vessel must be marked in accordance with paragraph 3.7 of MIL-R-8573A(ASG) as submitted with the application. The exemption number "DOT-E 12067" must be also added to the marking. These markings may be printed directly onto the pressure vessel or may be printed on a durable label securely attached to the pressure vessel.

d. The pressure vessel must be shipped in strong outside packagings in accordance with § 173.301(a) (9).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

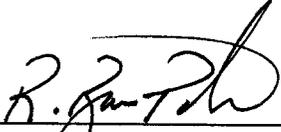
Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken

under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



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Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

APR 16 2004

Date

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: KFW/alb