



U.S. Department  
of Transportation

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

**Research and  
Special Programs  
Administration**

**SEP 20 2004**

DOT-E 6563  
(EIGHTH REVISION)

EXPIRATION DATE: August 31, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Mada Medical Products Inc.  
Carlstadt, NJ
2. PURPOSE AND LIMITATION:
  - a. This exemption authorizes the transportation in commerce of certain non-DOT specification cylinders containing Division 2.2 materials. 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 § 173.302a(a)(1) and § 175.3 in that non-DOT specification cylinders are not authorized, except as specified herein.
5. BASIS: This exemption is based on the application of Mada Medical Products, Inc. dated September 9, 2004, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Air, compressed	2.2	UN1002	N/A
Oxygen, compressed	2.2	UN1072	N/A

Additionally, non-liquefied, Division 2.2 materials, specifically identified to, and acknowledged in writing by the Office of Hazardous Materials Exemptions and Approvals (OHMEA).

7. SAFETY CONTROL MEASURES: PACKAGING - Prescribed packaging is a non-DOT specification steel cylinder made in compliance with DOT Specification 3E (§§ 178.35 and 178.42) except as follows:

- § 178.42(a) Welded or brazed cylinder not over 90 cu. in. water capacity. (Brazing material must have a melting point above 1000°F.) Longitudinal seams and welded tubing prohibited. Service pressure must be 1800 psig.
- § 178.42(b) Steel: GLX-50-W, or ASTM-A-572 of uniform quality, adequately killed deep drawing quality steel.
- § 178.42(d) Cylinder must be manufactured by best appliances and methods. No defect is permitted that is likely to weaken the finished cylinder appreciably. A reasonably smooth and uniform surface finished is required. Second sentence is deleted.
- § 178.42(f) (2) The cylinder referred to in subparagraph (1) of this paragraph must burst at a pressure higher than 6,000 psi without fragmenting or otherwise showing lack of ductility, and one additional cylinder in the same lot of 500 must be subjected to 3000 psi test and subsequently flattened between flat plates with the circumferential joint at a right angle to the plates. Flattening without cracking to six times the thickness of the seam joint is required.

(3) Other cylinders must be examined under pressure of at least 3000 psig and show no defect. The pressure must be maintained for at least 30 seconds and sufficiently longer to insure complete examination.

§ 178.42(g) All cylinders must be tested for leakage by internal air or gas at 1800 psig following the hydrostatic test. Leakers must be rejected.

§ 178.42(i) Marking: Substitute "DOT-E 6563-1800" for "DOT 3E1800." All other markings are required. Cylinders and packages marked "DOT SP-6563-1800" prior to issuance of this exemption may be transported under the terms of this exemption.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this exemption and the HMR.

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

c. Each cylinder must be secured against rotational movement within the overpack. Cylinders must be shipped in strong outside packagings complying with § 173.301(a)(9).

d. Continued use of cylinders with longitudinal welds and welded tubing is authorized under the following conditions:

(1) Cylinders manufactured before January, 1980 are no longer authorized and must be removed from service.

(2) Cylinders manufactured after January, 1980 must be removed from service when they reach 15 years of age.

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- (3) New construction of cylinders with longitudinal seams and welded tubing is not authorized under this exemption.

e. The transportation of oxygen by aircraft is only authorized when in accordance with § 172.102(c)(2) Special Provision A52 and §§ 175.85(h) and (i).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel, cargo only aircraft, and passenger-carrying aircraft.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel or aircraft used to transport packages covered by this exemption. The shipper must furnish a current copy of this exemption to the air carrier before or at the time the shipment is tendered.
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 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.

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- 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 incidents 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

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 SEP 20 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/sln