



U.S. Department  
of Transportation  
**Research and  
Special Programs  
Administration**

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

**MAR 14 2003**

DOT-E 10143  
(FOURTH REVISION)

EXPIRATION DATE: November 30, 2004

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Eurocom, Inc  
Irving, Texas
2. PURPOSE AND LIMITATION:
  - a. This exemption authorizes the transportation in commerce of certain Division 2.2 gases identified in paragraph 6 below for transportation in a non-DOT specification container. 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 § 173.306(a) in that a non-DOT specification container is not authorized except as specified herein.
5. BASIS: This exemption is based on the application of Eurocom, Inc. dated December 10, 2002, submitted in accordance with § 107.105 and the public proceeding thereon.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Argon, compressed	2.2	UN1006	N/A
Compressed gas, n.o.s.*	2.2	UN1956	N/A
Helium, compressed	2.2	UN1046	N/A
Krypton, compressed	2.2	UN1056	N/A
Neon, compressed	2.2	UN1065	N/A
Xenon, compressed	2.2	UN2036	N/A

\* Mixtures comprised of only neon, helium, argon, krypton or xenon gases.

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is a nonrefillable, non-DOT specification inside metal container conforming with Messer Griesheim GmbH drawing 81/3402-0/3, Technical Regulations for Compressed Gas (TRG) 300 on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA), and DOT Specification 2Q (§ 178.33a) except as follows:

§ 178.33a-2 Type and size.

1. Single trip inside containers. Must be seamless, equipped with a valve as shown on Newman-Green drawing M115-97-4 on file with the OHMEA.

2. The capacity of the containers is 61 cubic inches (1-liter or 33.7 fluid ounces). The diameter of the container is 3.15 inches (80 mm).

§ 178.33a-7 Wall thickness.

The wall thickness of the containers is 0.020 inch (0.5 mm).

§ 178.33a-8 Tests

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1. One out of each lot of 2,500 or less or five containers out of each lot of more than 2,500, successively produced per hour, must be pressure tested to destruction. Acceptable containers must show no evidence of leakage, distortion or other defects at a pressure below 319 psig (22 bars) and burst at a pressure below 550 psig (37.9 bars).

2. If one of the test containers fails, the lot with be rejected or ten additional containers may be selected at random and subjected to the test under which the failure occurred. Should any of the ten containers fail, the entire lot must be rejected.

§ 178.33a-9 Marking.

1. \* \* \*

(1) "DOT-E 10143" in lieu of "DOT 2Q".

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 modifications or changes are made to the package 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 package must be prepared and shipped in accordance with the following:

(1) The pressure in the container must be raised until the pressure in each completed container as prepared for shipment is equivalent to the equilibrium pressure of the lading at 50°C (130°F). Lading equilibrium pressure must not exceed 18 bar (260 psig) at this temperature.

(2) Each container must be packed in a composite package consisting of an inner and outer fiberboard carton. The inner and outer cartons are fabricated from 200 pound test corrugated fiberboard.

(3) Each outside packaging must be marked "INSIDE CONTAINERS COMPLY WITH DOT-E 10143".

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo aircraft and passenger-carrying aircraft.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each 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 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 Registration required by § 107.601 et seq., when applicable.

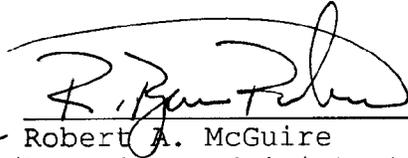
Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this 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.

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Issued in Washington, D.C.:



*fr* Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

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(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.

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Hazardous Materials Safety Homepage at  
<http://hazmat.dot.gov/exemptions> Photo reproductions and legible  
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