



U.S. Department
of Transportation

Research and
Special Programs
Administration

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

MAY 17 2004

DOT-E 9478
(FOURTH REVISION)

EXPIRATION DATE: April 30, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Meggitt Safety Systems Inc.
Simi Valley, CA
2. PURPOSE AND LIMITATIONS:
 - a. This exemption authorizes the manufacture, mark, sale and use of a non-DOT specification cylinder conforming with all regulations applicable to a DOT Specification 3AL cylinder for the transportation in commerce of the materials authorized by this exemption. 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 § 173.304a in that non-DOT specification cylinders are not authorized and § 175.3, except as prescribed herein.
5. BASIS: This exemption is based on the application of Meggitt Safety Systems dated April 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
Fire extinguishers (with bromotrifluoromethane)	2.2	UN1044	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packagings are non-DOT specification cylinders conforming to drawing 25693 Rev. P7, on file with the Office of Hazardous Materials Transportation Exemptions and Approvals (OHMEA) and DOT 3AL Specification (§§ 178.35 and 178.46) except as follows:

§ 178.35(f) *Marking*

Each cylinder must be permanently marked by stamping on the cylinder shoulder, head, neck or base in the order as required in 178.35(f)(1)(i) except that the marking "DOT 3AL" must be replaced by "DOT-E 9478 - 625".

§ 178.46(a) *Size and service pressure.*

Seamless aluminum cylinder with maximum water capacity of 30 cubic inches and a service pressure of 625 psig.

§ 178.46(c) *Manufacture.*

- * * *
- (5) * * *
- (i) * * *

(ii) Third sentence is revised to read "Failure must initiate in the cylinder sidewall".

§ 178.46(e) *Openings.*

* * *

(5) The following openings are authorized in the top head:

- (i) One 1 5/8 inch centered neck opening.
- (ii) Two 5/16 inch openings normal to and through in the neck sidewall at 180° to each other.

§ 178.46(h) *Flattening test.*

Flattening test is not required provided that a burst test on one cylinder out of each lot of 200 cylinders or less is performed. Failure must be in a ductile mode initiating in the cylinder sidewall. Test cylinder must remain in one piece. Burst pressure must be at least 4000 psig.

b. TESTING - Each cylinder must be reinspected and retested at least once every five years in accordance with § 180.205 as prescribed for DOT Specification 3AL cylinders.

8. SPECIAL PROVISIONS:

a. In accordance with the provisions of Paragraph (b) of § 173.22a, persons may use the packaging authorized by this exemption for the transportation of the hazardous materials specified in paragraph 6, only in conformance with the terms of this exemption.

b. A person who is not a holder of this exemption, but 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 offered for transportation in conformance with this exemption and the HMR.

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

d. Each packaging manufactured under the authority of this exemption must be marked with a registration symbol designated by the Office of Hazardous Materials Exemptions and Approvals for a specific manufacturing facility.

MAY 17 2004

e. A current copy of this exemption must be maintained at each facility where the package is manufactured under this exemption. It must be made available to a DOT representative upon request.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo aircraft only.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel, aircraft or motor vehicle used to transport packages covered by this exemption. The shipper shall furnish a 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, 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 also inform the AAHMS, in writing, as soon as practicable of any incidents involving the package and shipments made under this exemption.

Issued in Washington, D.C.



fa
Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

MAY 17 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