

March 24, 2008



U.S. Department  
of Transportation

East Building, PHH - 30  
1200 New Jersey Avenue, Southeast  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 14585  
(THIRD REVISION)

**EXPIRATION DATE: January 31, 2010**

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Kidde Aerospace  
Wilson, NC
2. PURPOSE AND LIMITATIONS:
  - a. This special permit authorizes the manufacture, marking, sale and use of non-DOT specification stainless steel cylinders (fire extinguishers), used as components on the US Army's Future Combat Systems Manned Ground Vehicles (FCSMGV), conforming with all regulations applicable to a DOT Specification 39 cylinder except as specified herein, for the transportation in commerce of the materials authorized by this special permit. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
  - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use, use as a component of a transport vehicle or other device, or other uses not associated with transportation in commerce.
  - c. Party status will not be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.302 and 173.302a in that a non-DOT specification cylinder is authorized, except as specified herein.

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5. BASIS: This special permit is based on the application of Kidde Aerospace dated September 5, 2007, and additional information dated December 21, 2007, and January 16, 2008, submitted in accordance with § 107.105 and the public proceeding thereon and additional information of March 21, 2008.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

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

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a stainless steel non-refillable, non-DOT specification cylinder with a test pressure of 2250 psig, a maximum service pressure of 1200 psig and a maximum water capacity of 215 cubic inches. The cylinder is designed and manufactured in accordance with drawings and specifications described in the Kidde Aerospace & Defense application dated September 5, 2007 on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA) and must be equipped with a pressure relief device (PRD) designed in accordance with § 173.301(f). The cylinder designed in accordance with the DOT Specification 39 (§§ 178.35 and 178.65) except as follows:

§ 178.65(b) *Material*

(1) Type ARMCO Nitronic 40 (21-6-9) stainless steel with the following analysis is authorized for the cylinder body with proper welding procedure.

<u>CHEMICAL ANALYSIS</u>	<u>PERCENT</u>
Carbon	0.040 max.
Manganese	8.00/10.00
Phosphorous	0.060 max.
Sulfur	0.030 max.
Silicon	1.00 max.
Chromium	19.00/21.50
Nickel	5.50/7.50
Nitrogen	0.15/0.40

§ 178.65(e) *Openings and attachments.* Openings and attachments are not required to be on the cylinder heads. Openings must be shown on Kidde Aerospace drawing numbers 474633 and 474645 on file with the OHMSPA.

§ 178.65(f) \* \* \*

§ 178.65(i) *Markings.*

(1) \* \* \*

(2)

(i) Applies except instead of DOT-39, cylinders must be marked "DOT-SP 14585".

(ii) thru (vii) \* \* \*

(viii)(B) - does not apply.

b. TESTING - Each pressure vessel must be tested as required in § 178.65(f) and as prescribed in the Kidde Aerospace & Defense application on file with OHMSPA.

c. OPERATIONAL CONTROLS -

(1) Cylinders authorized under this special permit are limited to use as components (fire extinguishers) of the US Army's Future Combat Systems Manned Ground Vehicle (FCSMGV).

(2) Non-specification cylinders authorized under this special permit are only authorized to support the US Army's Future combat Systems Manned Ground Vehicle (FCSMGV).

**March 24, 2008**8. SPECIAL PROVISIONS:

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

b. A person who is not a holder of this special permit, but receives a package covered by this special permit, may reoffer it for transportation provided no modification or change is made to the package and it is offered for transportation in conformance with this special permit and the HMR.

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

d. Each packaging manufactured under the authority of this special permit must be either (1) marked with the name of the manufacturer and location (city and state) of the facility at which it is manufactured or (2) marked with a registration symbol designated by the Office of Hazardous Materials Special Permits and Approvals for a specific manufacturing facility.

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

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel and cargo only aircraft.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each motor vehicle, cargo vessel or aircraft used to transport packages covered by this special permit. The shipper must furnish a copy of this special permit 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 special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

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- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this special permit 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 special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

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

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety -- OHMSPA, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Theodore L. Willke

**March 24, 2008**

Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at

[http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm)

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