



U.S. Department  
of Transportation

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

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 15491  
(SECOND REVISION)

**EXPIRATION DATE: October 31, 2017**

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Metalcraft/Sea-Fire Marine Inc.  
Baltimore, MD
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of certain non-DOT specification cylinders manufactured to a foreign specification which are charged with a Division 2.2 gas for export only. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
  - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the 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 §§ 171.23(a)(4) and (5) and 173.301(f) in that non-DOT specification cylinders are authorized to be charged for export only without pressure relief devices, as provided herein.
5. BASIS: This special permit is based on the application of Metalcraft/Sea-Fire Marine Inc. dated October 26, 2011 submitted in accordance with § 107.105 and the public proceeding thereon, and additional information dated January

November 27, 2013

16 through March 28, 2012, and April 12, 2012.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

<b>Hazardous Materials 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
Heptafluoropropane or Refrigerant gas R 227	2.2	UN3296	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is non-DOT specification aluminum cylinders similar to ISO 7866 cylinders. The cylinders are manufactured by Catalina Cylinders Inc., from aluminum alloy 6061-T6 in accordance with drawings and specifications on file with the Approvals and Permits Division. The cylinders have: a maximum service pressure of 69 bar (1000 psig); a minimum design test pressure of 1.5 times the service pressure; and a maximum water volume of 18.0 Liter (1100 cu in).

b. MARKING -

(1) Each cylinder must be plainly and durably marked "DOT-SP 15491" on the shoulder of the cylinder.

(2) Each cylinder must also be plainly and durably marked "For Export Only" near the special permit number marking.

c. OPERATIONAL CONTROLS -

(1) Cylinders authorized under this special permit are limited to Division 2.2 materials specified in section 6 above.

(2) Prescribed cylinders must meet the maximum filling density and service pressure requirements of 49 CFR Part 173.

(3) The shipping papers must identify the cylinders with the special permit number "DOT-SP 15491" and must carry the following certification: "These cylinders have been requalified, as required, and filled in accordance with the DOT requirements for export."

(4) Labeling of the cylinders, placarding of the containers for transport and shipping documents must comply with 49 CFR Part 172 hazard communication requirements as applicable.

(5) The emergency response information provided with the shipment and available via an emergency response telephone number must indicate that the cylinders are not fitted with pressure relief devices and provide appropriate guidance for exposure to fire.

d. REQUALIFICATION -

(1) Each cylinder must be requalified every 5 years by hydraulic pressure test at the prescribed test pressure and visual inspection in accordance with the procedures in § 180.207(d) as applicable.

(2) Requalification must be performed by a qualified re-tester holding a valid RIN issued by OHMSPA.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who 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 reoffered for transportation in conformance with this special permit and the HMR.

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

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

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10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel, aircraft, or motor vehicle 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:
  - 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.

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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, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Dr. Magdy El-Sibaie  
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). Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: RSHAFKEY/kah