U.S. Department
of Transportation

**Pipeline and
Hazardous Materials
Safety Administration**

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

MAY 24 2005

DOT-E 11598
(SEVENTH REVISION)

EXPIRATION DATE: April 30, 2007

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Metalcraft, Inc.
Baltimore, MD

2. PURPOSE AND LIMITATIONS:

a. This exemption authorizes the manufacture, mark, sale and use of DOT Specification cylinders equipped with pressure relief device systems other than as prescribed to be used for the transportation in commerce of certain 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 § 173.301(f), § 173.304a(a)(2), § 175.3 in that DOT Specification cylinders with pressure relief devices other than as prescribed are not authorized, except as specified herein.

5. BASIS: This exemption is based on the application of Metalcraft Inc. dated May 5, 2005, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi-fication Number	Packing Group
Bromotrifluoromethane *or* Refrigerant gas, R 13B1	2.2	UN1009	N/A
1-Chloro-1,2,2,2-tetrafluoroethane *or* Refrigerant gas R 124	2.2	UN1021	N/A
Heptafluoropropane *or* Refrigerant gas R 227	2.2	UN3296	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packagings are DOT Specification 39, 3AL, 4B360, and 4BW360 cylinders equipped with a pressure relief system in accordance with Metalcraft, Inc.'s drawings and specifications on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA). The pressure relief system is actuated by a fusible link or a heat actuated glass bulb. Each cylinder has a minimum test pressure of 720 psig and a minimum burst pressure of 1,440 psig. The pressure relief system must function: (a) at a temperature no greater than 212°F and (b) at a pressure no greater than 80 percent of the cylinder's minimum burst pressure.

b. TESTING - Each cylinder must be tested as required in the specification under which it is manufactured and each DOT Specification 3AL, 4B360 and 4BW360 cylinder must be retested as specified in § 180.205(c).

c. OPERATIONAL CONTROLS -

(1) The maximum permitted filling density is 70 pounds/cubic foot for Bromotrifluoromethane and 72 pounds/cubic foot for Heptafluoropropane, and the

maximum charge pressure may not exceed that specified in § 173.302(d).

(2) Bromotrifluoromethane may not be transported in DOT 4B360 or 4BW360 cylinders. Only DOT Specification 39 and 3AL cylinders prescribed in Paragraph 7.a. of this exemption are authorized.

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

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

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.

f. MARKING - Each cylinder must be marked plainly and durably marked DOT-E "11598".

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, cargo vessel, cargo aircraft only and passenger-carrying aircraft.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel and 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:

    - All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, Parts 171-180.

    - 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.

    - 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. (49 CFR 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.

Issued in Washington, D.C.:

MAY 24 2005

Date

Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

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: CWF/sln