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

MAY 26 1998

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

DOT-E 3569
(SEVENTH REVISION)

EXPIRATION DATE: April 30, 2000

(FOR RENEWAL, SEE 49 CFR SECTION 107.109)

1. GRANTEE: Western Atlas International, Inc.
Houston, TX

2. PURPOSE AND LIMITATION: This exemption authorizes non-DOT Specification cylinders of equal or greater integrity than those currently authorized for the transportation in commerce of certain 5.1 hazardous materials. This exemption provides no relief from any regulation other than as specifically stated herein.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR 172.101, Column (9B), 173.228, 175.3.

5. BASIS: This exemption is based on the application of Western Atlas International, Inc. dated March 11, 1998, submitted in accordance with 49 CFR 107.109.

6. HAZARDOUS MATERIALS (49 CFR 172.101):

| Hazardous materials description -- proper shipping name | Hazard Class/ Division | Identi-fication Number | Packing Group |
|---|---|---|---|
| Bromine trifluoride | 5.1 | UN1746 | I |
| | | | |

7. PACKAGING AND SAFETY CONTROL MEASURES:

PACKAGING - Packaging prescribed is a non-DOT Specification non-refillable cylinder constructed from not greater than 1 inch inside diameter by at least .344 inch thick side wall SAE 4140 Alloy seamless steel tubing with threaded plug closures at each end. Design rupture

pressure, 65000 psi. Maximum volume is 61 cubic inches water capacity. Cylinder must be designed and constructed in accordance with McCullough Tool Company drawing 6110-8-90 Revision A dated October 24, 1972, or NL McCullough drawings 6105-8-90, 6106-8-90, 6108-8-90, 6113-8-90, 6134-8-90 or 6120 (submitted with NL McCullough March 23, 1981, application) on file in the Office of Hazardous Materials Exemptions and Approvals (OHMEA).

8. SPECIAL PROVISIONS:

a. Persons who receive the packages covered by this exemption may reoffer them for transportation provided no modifications or changes are made to the packages, all terms of this exemption are complied with and a current copy of this exemption is maintained at each facility from which such reoffering occurs.

b. Shippers using the packaging covered by this exemption must comply with all provisions of this exemption, and all other applicable requirements contained in 49 CFR Parts 171-180.

c. Maximum permitted filling density is 75 percent.

d. Rupture discs must be rendered non-functional in transportation by installation of shipping plugs.

e. Packages shipped under this exemption are required to bear only the OXIDIZER label. The POISON label is not required.

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

10. MODAL REQUIREMENTS:

A copy of this exemption must be carried aboard each cargo vessel and aircraft 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. Section 5101 *et seq*:

    - All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.

    - Registration required by 49 CFR 107.601 *et seq*., when applicable.

    Each "Hazmat employee", as defined in 49 CFR 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 49 CFR 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 at Washington, D.C.:

Ann Mazzulli 5/26/98

Alan I. Roberts (DATE)
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.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

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