



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

SEP 15 2004

DOT-E 12475
(FOURTH REVISION)

EXPIRATION DATE: August 31, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Chemetall Foote Corporation
Kings Mountain, NC
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of the hazardous materials identified in paragraph 6 in certain UN1A1 drums and the reuse of those UN1A1 drums without leakproofness testing. 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 § 173.181 in that a UN1A1 drum is not authorized for the transport of lithium alkyls, § 173.28(b)(2) in that each drum must be leakproofness tested prior to being refilled, except as specified herein.
5. BASIS: This exemption is based on the application of Chemetall Foote Corporation dated August 23, 2004 submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

| Proper Shipping Name/ Hazardous Materials Description | Hazard Class/ Division | Identi- fication Number | Packing Group |
|---|------------------------------|-------------------------------|------------------|
| Flammable liquid, corrosive, n.o.s. | 3 | UN2924 | II |
| Lithium aluminum hydride, ethereal | 4.3 | UN1411 | I |
| Lithium alkyls | 4.2 | UN2445 | I |
| Organometallic compound or compound solution or compound dispersion, water-reactive, flammable, n.o.s. | 4.3 | UN3207 | I |

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is UN1A1 drums that meet the following additional requirements:

(1) Bodies and heads must be made of carbon steel with all seams made by fusion welding, and must have a minimum thicknesses of:

(i) 5.0 mm for a drum with a nominal capacity not exceeding 40 liters.

(ii) 6.0 mm for a drum with a nominal capacity greater than 40 liters but not exceeding 125 liters.

(iii) 7.0 mm for a drum with a nominal capacity greater than 125 liters but not exceeding 450 liters.

(2) Drums must be marked with a minimum test pressure of 1800 kPa.

(3) Closures must be grouped in the head of the drum and protected by a steel collar and cover.

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b. TESTING -

(1) Prior to first use - Each drum must be subjected to a test pressure of not less than 1800 kPa without leakage or permanent deformation. Any drum showing evidence of leaking or permanent deformation must be rejected.

(2) Periodic Testing - At intervals not exceeding 60 months, each drum must be subjected to a test pressure of not less than 1800 kPa without leakage or permanent deformation. Any drum showing evidence of leaking or permanent deformation must be rejected. After successfully passing the test, each package must be marked with:

(i) The date (month and year) on which the test was performed; and

(ii) The name and address, or symbol of the person carrying out the test (if performed in the United States) or the State in which the test was carried out and an identification of the person performing the test as required by the Competent Authority of the State in which the test was carried out.

8. SPECIAL PROVISIONS:

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

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

c. Each drum must be marked "DOT-E 12475" as required by § 172.301(c).

d. The leakproofness test specified in § 173.28(b)(2) is waived for drums used in accordance with the provisions of this exemption.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, and cargo vessel.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel or motor vehicle used to transport packages covered by this exemption.
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, 49 CFR 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.

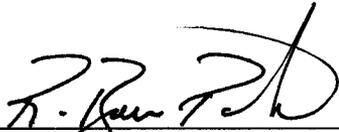
Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this 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 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.:



Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

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(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: DBurger/JSH/sln