U.S. Department
of Transportation

**Research and
Special Programs
Administration**

JUN 23 2000

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

DOT-E 6746
(SIXTH REVISION)

EXPIRATION DATE: **May 31, 2002**

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Bridgestone/Firestone, Inc.
Akron, Ohio

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of andydrous ammonia in certain non-DOT Specification portable tanks subject to the specific design requirements listed in paragraph 7 of this document. This exemption provides no relief from any Hazardous Materials Regulation (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 § 173.315(a) table in that a non-DOT specification packaging is authorized.

5. BASIS: This exemption is based on the application of Bridgestone/Firestone dated February 29, 2000, 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
Anhydrous ammonia	2.2	UN1005	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packagings prescribed are non-DOT specification portable tanks manufactured in conformance with the DOT Specification MC-331 cargo tank except that each tank is not marked with the DOT MC-331 specification number. In addition, each tank must be built to Trinity Industries, Inc., drawings W108006 through W108145 on file with the Office of Hazardous Materials Exemptions and Approvals and have a:

(1) maximum gross weight of 41,666 pounds;
(2) maximum allowable working pressure of 288 psig;
(3) pressure relief valve setting of 288 psig;
(4) pressure relief valve capacity of 10,300 cubic feet per minute; and
(5) a minimum service temperature of 0°F.

No new construction is authorized.

b. TESTING - Each portable tank must be reinspected and retested as specified in § 180.407(c) for DOT Specification MC 331 cargo tanks.

c. OPERATIONAL CONTROLS - The portable tank may not be permanently attached to a motor vehicle and used as a cargo tank.

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 modifications or changes are made to the package 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 portable tank must be plainly marked on both sides near the middle, in letters at least two inches high on a contrasting background "DOT-E 6746".

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and cargo vessel.

10. MODAL REQUIREMENTS:

a. A current copy of this exemption must be carried aboard each cargo vessel and motor vehicle used to transport packages covered by this exemption.

b. For shipment by water, the tank must be stowed on deck in the open not outboard of hatch covers. "EMPTY" tanks may be stowed outside of hatch covers. Stacking is authorized. In addition, the following safety procedures must be instituted to protect personnel and property in the handling operations and stowage:

(1) Designation of an individual who is knowledgeable in ammonia damage control, to assume responsibility for clearing the area and fighting the effects of ammonia in the event spills occur.

(2) Posting aboard ship an attached cargo card which explains the applicable damage control procedures.

(3) No unnecessary personnel are allowed in the area when loading or unloading ammonia from the vessel. Each individual involved in the handling process must have on his person, ready for donning in case of an emergency, a full-face gas mask of the total-rebreather or ammonia refill canister type. Protective clothing, gloves and boots must be readily available to him for emergency use. Similar gear must be stored aboard ship in an accessible area remote from the ammonia storage area.

(4) The firehose at each fire hydrant in the vicinity of the portable tank must be fitted with an approved combination spray nozzle. During the lifting on and off of the portable tank the firehose must be laid out and the pressure maintained in the firemain.

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, 49 CFR Parts 171-180.

- 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. (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.:

R. Ryan Posten

For Robert A. McGuire
Acting Associate Administrator for
Hazardous Materials Safety

JUN 23 2000
(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.

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.

PO: CHH/sdc