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

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

JUN 1 2 2003

DOT-E 12454
(FIRST REVISION)

EXPIRATION DATE: May 31, 2005

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Ethyl Corporation
Richmond, VA

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of certain DOT Class 105 tank cars qualified by an alternative testing protocol. 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 §§ 180.509(e) and 180.509(k) in that Class 105 tank cars must be tested, except as specified herein and the shipping paper requirements in § 172.203(a) are waived.

5. BASIS: This exemption is based on the application of Ethyl Corporation dated May 23, 2003, 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
Metal carbonyls, n.o.s. (Methylcyclopentadienyl manganese tricarbonyl)	6.1	UN3281	II
Motor fuel anti-knock mixtures (tetraethyl lead)	6.1	UN1649	I

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packagings authorized are DOT Class 105 tank cars owned and operated by the exemption holder and identified in the application.

b. TESTING - In addition to the requirements in § 180.509(d), (f), (g), (h), (i) and (j), each tank car must have a hydrostatic test that conforms to the following:

(1) Prior to the hydrostatic testing, the tank car facility must remove any pressure relief device from the tank and flange the opening to prevent leakage during the test.

(2) Each tank must be filled with water or a liquid with similar viscosity at a temperature not to exceed 100 degree Fahrenheit. After filling, the tank car must be pressurized to not less than the tank test pressure, as indicated on the tank and the certificate of construction. The tank, including its closures, must hold the prescribed pressure for at least 20 minutes, during which time the tank car facility must inspect the tank for leakage, bulging, or any other defect that may render the tank car unsafe for transportation.

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. Marking: Each tank car must be marked with "DOT-E 12454" in letters and numerals at least 4 inches high on a contrasting background above the DOT specification marking. Each car must be marked with the inspection and test due date (calendar year only) in accordance with Appendix C of the AAR Tank Car Manual.

d. The shipping paper entry requirements of § 172.203(a) are waived.

9. MODES OF TRANSPORTATION AUTHORIZED: Rail freight.

10. MODAL REQUIREMENTS: None as a requirement of 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:

- 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 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.:

JUN 1 2 2003

For Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

(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: FG/AM