U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

SEP 20 1991

DOT-E 10478

1. Calif.- Fresno Transportation Company, Fresno, CA, is hereby granted an exemption from certain provisions of this Department's Hazardous Materials Regulations to transport packages prescribed herein containing a flammable liquid for transportation in commerce subject to the requirements specified herein. This exemption authorizes the use of a DOT MC 306 cargo tank motor vehicle constructed of an alternative aluminum alloy for the shell and heads for the transport of an elevated temperature lading and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on Calif.-Fresno Transportation Company's application dated August 2, 1990 submitted in accordance with 49 CFR 107.103 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Oil and petroleum distillate, classed as a flammable liquid.

4. PROPER SHIPPING NAME (49 CFR 172.101). Petroleum distillate.

5. REGULATION(S) AFFECTED. 49 CFR 173.119, 178.340-3(a)(1).

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle.

7. SAFETY CONTROL MEASURES. Packaging prescribed is a non-DOT specification cargo tank motor vehicle meeting DOT MC 306 cargo tank specifications except as specified below. The cargo tank shall be constructed according to Davis Engineering Company drawing numbers CFTA0 dated 04 JAN 89, CFTD1 dated 24 OCT 88, CFTD2 dated 08 MAR 89, CFTD3 dated 23 FEB 89, CFTD4 dated 15 MAR 89, CFTD5 dated 24 MAR 89, and CFTD6 dated 04 APR 89 on file with the Office of Hazardous Materials Exemptions and Approvals.

In addition, the following sections apply:

a. 178.340-3

(a) Only aluminum alloy material suitable for fusion welding and in compliance with the following ASTM specifications shall be used:

i. ASTM B-209 Alloy 2219-T851 for the tank shell; and

ii. ASTM B-209 Alloy 6061-0 for the tank heads, bulk heads, baffles, and ring stiffeners.

* * *

b. 178.340-4

(a) The maximum calculated stress value may not exceed 20 percent of the minimum ultimate strength of the material at 500 degrees fahrenheit as authorized in 49 CFR 178.340-3 above, except when ASME code pressure vessel design requirements apply.

(b) * * *

8. SPECIAL PROVISIONS.

a. No additional load of any kind shall be carried on top of the cargo tank motor vehicle while the cargo tank motor vehicle is being used to transport hazardous materials.

b. Persons who receive 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.

c. Shippers using the packaging covered by this exemption must comply with the shipping paper, marking, labeling, and placarding requirements of 49 CFR Part 172; all provisions of this exemption, and all other applicable requirements contained in 49 CFR Parts 100-180.

d. Each cargo tank motor vehicle must be plainly marked on the curb side near the front, in letters at least two inches high on a contrasting background "DOT-E 10478".

e. Each cargo tank motor vehicle must be retested and reinspected in accordance with 49 CFR Part 180 as prescribed for DOT Specification MC 306 cargo tank motor vehicles.

f. A copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.

g. Drivers must have been instructed as to necessary safeguards and proper procedure in the event of unusual delay, fire, or accident.

h. Motor carriers operating under the terms of this exemption must have a "Satisfactory" or Conditional" safety rating as prescribed in 49 CFR Part 385.

i. "DOT-E 10478" must be stamped on the metal certification plate of the cargo tank on the line that reads "Specification identification".

9. REPORTING REQUIREMENTS. Any incident involving loss of packaging contents or packaging failure must be reported to the Associate Administrator for Hazardous Materials Safety as soon as practicable.

10. EXPIRATION DATE. June 30, 1993.

Issued at Washington, D.C.:

SEP 20 1991

(DATE)

Alan I. Roberts
Associate Administrator for
Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, U.S. Department of Transportation, Washington, D.C., 20590. Attention: Exemptions Branch.

Dist: FHWA.