



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

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

NOV 14 2002

DOT-E 11321
(FIFTH REVISION)

EXPIRATION DATE: October 31, 2004

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: E.I. DuPont de Nemours and Company, Inc.
Wilmington, Delaware
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of non-insulated DOT specification cargo tanks and portable tanks containing titanium tetrachloride which is toxic by inhalation. 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 § 172.101 Column 7 Special Provisions B14 and T38 in that non-insulated packagings are not authorized except as specified herein.
5. BASIS: This exemption is based on the application of E.I. DuPont de Nemours and Company dated October 24, 2002, 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
Titanium tetrachloride	8	UN1838	II, Hazard Zone B

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packagings prescribed are DOT Specification MC 312, MC 330, MC 331, and DOT 412 cargo tanks and DOT Specification 51 and IM 101 portable tanks which do not meet the insulation requirements of § 172.101 Column 7 Special Provisions B14 and T38.

1. Prescribed cargo tanks are constructed of SA 516 Grade 70 steel. Thickness for tank shell and heads must be the greater than 0.375 inch and 0.500 inch, respectively, or the thickness required for a tank with a design pressure at least equal to 1.5 times the vapor of the lading at 115°F.
2. Prescribed portable tanks are constructed of Type 316L stainless steel. Thickness for tank shell and heads must be the greater than 0.350 inch or the thickness required for a tank with a design pressure at least equal to 1.5 times the vapor of the lading at 115°F.

b. TESTING - Each packaging must be requalified and inspected in accordance with the requirements for the appropriate DOT specification cargo tank or portable tank.

c. OPERATIONAL CONTROLS: Drivers must be trained and instructed to, when possible, move their vehicle away from the site of an accident involving a loss of fuel or fire, provided no lives will be endangered by moving the vehicle.

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 cargo tank must be plainly marked on the curb side near the front and each portable tank must be marked on two sides near the center in letters at least 2 inches high on a contrasting background, "DOT-E 11321".

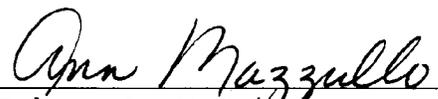
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel or motor vehicle used to transport packages covered by this exemption.
11. COMPLIANCE: Failure by a person to comply with 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 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 at Washington, D.C.:



Robert A. McGuire
Associate Administrator
for Hazardous Materials Safety

NOV 14 2002

(DATE)

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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: DL