



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

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

NOV 19 2002

DOT-E 12716
(FIRST REVISION)

EXPIRATION DATE: May 31, 2004

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Air Liquide America, L.P.
Houston, Texas
(Former grantee: Air Liquide America Corporation)
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of certain DOT Specification 3AAX cylinders containing chlorine. 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 § 173.304a(2) in that a DOT Specification 3AAX cylinder is not authorized for chlorine except as specified herein.
5. BASIS: This exemption is based on the application of Air Liquide America Corporation dated May 24, 2001 and additional information dated September 4, and November 19, 2001 and March 7, 2002, submitted in accordance with § 107.105 and the public proceeding thereon. An additional letter from Air Liquide America, L.P dated October 1, 2002 was also submitted.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Chlorine	2.3	UN1017	N/A, Hazard Zone B

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is a DOT Specification 3AAX cylinder that is permanently mounted on a motor vehicle (semitrailer). Cylinders must be: in conformance with Weldship Corporation drawing no. 9800161 Rev. 0 on file with the Office of Exemptions and Approvals (OHMEA); and equipped with a packless type valve with a non-perforated diaphragm as shown on CEODEUX Ultra High Pure Equipment Technology S.A. Plan No. 4535 on file with the OHMEA. Additionally, each cylinder must be in accordance with the following requirements:

Minimum service pressure:	2400 psig
Maximum outside diameter:	22 inches
Minimum wall thickness:	0.536 inch
Maximum cylinder length:	480 inches
Maximum water capacity:	5700 pounds
Maximum filling density:	125 percent

b. TESTING -

(1) Each cylinder must be retested and inspected in accordance with § 180.205 as specified for DOT Specification 3AAX cylinders.

(2) After emptying and prior to each refilling of the prescribed cylinder, and while the packaging contains a residue of chlorine, each cylinder must be inspected and leak tested in accordance with Air Liquide Procedure for Leak Checking Chlorine Tube Trailers dated March 4, 2002 on file with the OHMEA. Any cylinder showing evidence of leakage in excess of one part per million (ppm) must not be refilled.

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c. OPERATIONAL CONTROLS -

(1) No more than four cylinders may be permanently mounted on a motor vehicle. Cylinders must be mounted horizontally, in accordance with Weldship Corporation drawing P02201 Rev. 0 on file with OHMEA.

(2) Manifolding of the prescribed cylinders is not authorized.

(3) Each cylinder must have its entire product load discharged at a single location.

(4) Each cylinder must be marked in letters and numbers at least 2 inches high on a contrasting background "DOT-E 12716".

8. SPECIAL PROVISIONS:

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

b. Drivers must have been instructed as to the necessary safeguards and proper procedures in the event of an accident, fire or leak involving the hazardous materials covered by this exemption.

c. Air Liquide America, L.P. must inform CHEMTREC, CANUTEC and Chlorine Emergency Plan responders that Chlorine Institute Emergency Kits will not work with the CEODEUX valves on the motor vehicles authorized under this exemption.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each 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.

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- 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: CWFreeman/sln