U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

NOV 30 2004

DOT-E 10151
(EIGHTH REVISION)

EXPIRATION DATE: July 31, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Air Liquide America L.P.
Houston, Texas
(Former Grantee: Air Liquide America Corporation)

(See Appendix A to this exemption for a list of additional grantees)

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of a non-DOT specification, full removable head salvage cylinder of 45-gallon capacity, for overpacking a damaged or leaking package of pressurized and non-pressurized hazardous materials. 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 §§ 173.301, 173.302a(a)(1), 173.304a(a)(1), 173.201, 173.202, and 173.203 in that a non-DOT specification cylinder is not authorized, except as specified herein.

5. BASIS: This exemption is based on the application of Air Liquide America, L.P., dated September 27, 2004, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	**Hazard Class/ Division**	**Identi-fication Number**	**Packing Group**
Hazardous materials, except acetylene, which are authorized in DOT Specification cylinders	Class 3, Division 2.1, 2.2, 2.3, or 6.1 as appro-priate	As appro-priate	As appro-priate

7. SAFETY CONTROL MEASURES: Prescribed packaging is a non-DOT specification full-removable head austenitic stainless steel salvage cylinder of welded construction, with provisions for securely positioning the damaged cylinder contained therein. The salvage cylinder must conform with Sigri GmbH "4" drawing 800 288 "0" dated December 12, 1988, and be designed, constructed and stamped in accordance with Section VIII, Division I of the ASME Code. Additionally, the Salvage Cylinder must conform to the following:

Volume	45 gallons water capacity, nominal
Material	SA 240 Type 321
Design stress at MAWP	18,178 psi
Outside diameter	14 inches, nominal
Length	88 inches, nominal
Design wall thickness	0.472 inch (nominal), 0.414 inch minimum
Design service pressure	1087 psig (75 bar)
Test pressure	1638 (113 bar)
Openings:	
On sidewall	Three 1/4 inch NPT for a pressure gauge, an analysis valve and a purge valve
On removable top head	One 2 inch NPT for mechanism to operate damaged cylinder valve
Pressure relief device(s)	None
Welded attachments	Two lifting brackets

8. SPECIAL PROVISIONS.

a. Salvage cylinders are authorized for use only with damage or leaking cylinders whose contents are limited in pressure and volume so that if totally discharged into the salvage cylinder, the pressure in the salvage cylinder will not exceed: (1) 1,087 psig at 70°F for non-liquefied gases, and (2) 1,087 psig at 130°F for liquefied gases.

b. Drivers and persons who load, unload or transport these cylinders must have been trained in handling, loading and unloading the cylinder. The loaded salvage cylinder must be delivered to the consignor or consignee as soon as practicable.

c. At least once every 2 years, each cylinder must be visually reinspected (internally and externally) and hydrostatically retested at 1638 psig. The visual inspections must be performed in accordance with the Compressed Gas Associations Pamphlet C-6.

d. Transportation is limited to motor vehicles owned or leased by holder of this exemption or its customers or vehicles owned or leased by contract carriers employed by the exemption holder.

e. Each salvage cylinder must be plainly marked on opposite sides near the middle, in letters at least 2 inches high on a contrasting background "DOT-E 10151" and "SALVAGE CYLINDER".

f. Each salvage cylinder must be labeled as prescribed for its lading.

g. Each salvage cylinder must be secured to the motor vehicle by a securement system that conforms with the requirements contained in 49 CFR §§ 393.100 to 393.106.

h. 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 modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this exemption and the HMR.

i. Shippers using the packaging covered by this exemption must comply with all provisions of this exemption, and all other applicable requirements contained in 49 CFR Parts 171-180.

j. No new construction is authorized after October 1, 1995, of the salvage cylinders authorized by 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:

- All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- 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 incidents involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:

NOV 30 2004

Robert A. McGuire
for 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: sln

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The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Agilent Technologies Palo Alto, CA	Sep 23, 2004	NOV 30 2004	Jul 31, 2006
SET Environmental, Inc. Wheeling, IL	Jul 30, 2004	Aug 11, 2004	Jul 31, 2006

Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety