



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

AUG 17 2004

DOT-E 12599
(THIRD REVISION)

EXPIRATION DATE: July 31, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Voltaix, Inc.
North Branch, NJ
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of Silicon tetrafluoride, Division 2.3, in certain manifolded DOT Specification 3AA and 3AAX cylinders. 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. The safety analyses did not consider the hazards and risks associated with consumer use or other uses not 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(g) in that manifolding cylinders containing silicon tetrafluoride is not authorized and § 173.302a(a)(4) in that DOT Specification 3AAX cylinders are not authorized for silicon tetrafluoride, except as specified herein.
5. BASIS: This exemption is based on the application of Voltaix, Inc. dated August 5, 2004, submitted in accordance with § 107.109.

AUG 17 2004

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

| Proper Shipping Name/ Hazardous Materials Description | Hazard Class/ Division | Identi- fication Number | Packing Group |
|--|------------------------------|-------------------------------|------------------|
| Silicon tetrafluoride, compressed | 2.3 Hazard Zone B | UN1859 | N/A |

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packagings are DOT Specification 3AA or 3AAX cylinders manufactured with 4130X alloy steel and having a service pressure of at least 2,200 psig. Manifolder DOT-3AA and 3AAX Specification cylinders must fully conform with § 173.301(g).

b. TESTING - Each cylinder must be retested and reinspected in accordance with the applicable requirements of § 180.209(a).

c. MARKING -

(i) Each cylinder must be marked "DOT-E 12599" as specified in §§ 172.302(b) and (c).

(ii) Additionally, each tube trailer motor vehicle must be marked "DOT-E 12599" on both sides near the middle in letters and numerals at least 2 inches high on a contrasting background.

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 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.

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

AUG 17 2004

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.
 - o 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.
 - 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

Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

AUG 17 2004

(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: CWF/AM