



U.S. Department
of Transportation

Research and
Special Programs
Administration

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

MAY 1 1 2004

DOT-E 11178
(SEVENTH REVISION)

EXPIRATION DATE: April 30, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Great Lakes Chemical Corporation
El Dorado, AR

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

2. PURPOSE AND LIMITATIONS:

a. This exemption authorizes the transportation in commerce of bromine, Class 8, Hazard Zone A, in a non-DOT specification portable tank constructed of 1/4 inch thick mild steel with 1/4 inch lead lining. 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 § 172.101 Column (7) Special Provisions T-18 and T-41, and § 173.249(f), except as specified herein.

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Outside diameter..... 30 inches, nominal.
Length..... 63.75 inches, nominal.
Head thickness..... 0.250 inch, min.
Sidewall thickness..... 0.250 inch, min.
Openings - Sidewall..... none
Openings - head..... 2 inch, 150psig rated
flanged ball valve.
Pressure relief devices..... none
Welded attachments..... 2-valve cover lifting
lugs.
Lining..... 0.25 inch layer of bonded
lead

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.
- c. 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.
- d. Each portable tank must be visually inspected after each use for damage to the lining and corrosion to the tank.
- e. Each portable tank must be secured to the motor vehicle in conformance with the requirements of 49 CFR 393.100 through 393.106.
- f. Each portable tank must be plainly and durably marked on opposite sides of the tank in letters and numerals at least 2 inches high on a contrasting background, "DOT-E 11178".
- g. Each portable tank must be labeled in accordance with Subpart E of Part 172.

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h. Each portable tank must be marked as prescribed in § 172.313 for materials which are poisonous by inhalation. (Note: shipping papers must also be marked in accordance with § 172.203(m)).

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.

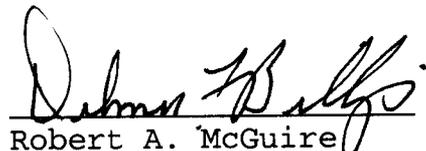
No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

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.

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 also inform the AAHMS, in writing, as soon as practicable of any incidents involving the package and shipments made under this exemption.

Issued in Washington, D.C.



Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

MAY 11 2004

Date

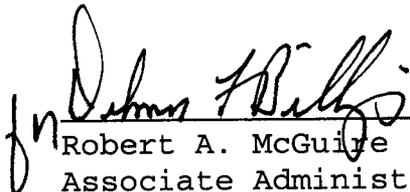
Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

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: ALB

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
Albemarle Corporation Baton Rouge, LA	Mar 18, 2004	MAY 1 1 2004	Apr 30, 2006



Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety