



U.S. Department  
of Transportation

**Research and  
Special Programs  
Administration**

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

**OCT 26 2004**

(DOT-E 12007)  
(FIFTH REVISION)

EXPIRATION DATE: July 31, 2005

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Cardinal Professional Products  
Hollister, California  
(Former grantee: Soil Chemicals Corporation (SCC))

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

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of DOT specification cylinders authorized for Cloropicrin, for use by licensed fumigators, with closures that deviate from that required by the regulations. 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 § 173.226(a), § 173.227(a), and § 173.40(c)(1) in that the cylinder is closed with a "system plug" rather than a plug threaded directly into the cylinder.

5. BASIS: This exemption is based on the application of Cardinal Professional Products dated August 5, 2003, 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	Identification Number	Packing Group
Chloropicrin	6.1	UN1580	I

7. PACKAGING AND SAFETY CONTROL MEASURES:

a. PACKAGING - The packaging prescribed is a DOT specification cylinder equipped with the SCC brass "system plug". The "system plug" must be capable of withstanding the test pressure of the cylinder. The "system plug" assembly is as follows: a 3/4 inch NPT x 1/2 inch NPT reducing bushing attached to a 1/2 inch hex nipple, capped by a threaded 1/2 inch cap with a gasket. All threads of the reducing bushing must be wrapped with teflon tape. The reducing bushing must be torqued into the cylinder and the hex nipple so that no threads are exposed. The assembly must be made gas tight by means of the gasketed cap.

b. TESTING - Each cylinder, equipped with "system plug", must be leak tested at the time of each filling.

c. OPERATIONAL CONTROLS -

(1) The shipper must ensure that the "system plug" cap is securely tightened prior to shipping.

(2) Each cylinder must be shipped in the upright position.

(3) Each cylinder must have protection for the "system plug" against damage in accordance with the § 173.40(d) requirements for valves.

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 cylinder must be marked "DOT-E 12007" in accordance with the requirements specified in § 172.301(c).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.10. MODAL REQUIREMENTS: There are no modal-specific requirements associated with 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:

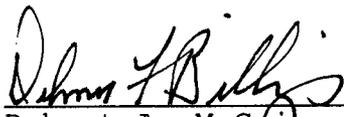
- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required 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 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 in Washington, D.C.:



*for* Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

**OCT 26 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.

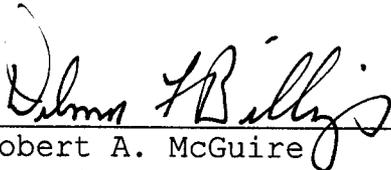
Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: 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
Great Lakes Chemical Corporation El Dorado, AR	Oct 7, 2004	<b>OCT 26 2004</b>	Jul 31, 2005



*for* Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

**OCT 26 2004**

Date