

April 03, 2020



U.S. Department  
of Transportation

East Building, PHH-30  
1200 New Jersey Avenue S.E.  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 20434  
(SECOND REVISION)

**EXPIRATION DATE: 2024-03-31**

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Cardinal Professional Products  
Decatur, IL
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of up to 11.35 kg (25 pounds) of an organic phosphate compound described in paragraph 6 of this special permit in a DOT Specification 3AA cylinder equipped with an education (dip) tube and without an overpack. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
  - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
  - c. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.334(a) in that charging the cylinder with more than 5 kgs (11 pounds) of the mixture is not authorized, except as specified herein; § 173.334(b) in that an education tube is not authorized, except as specified herein; § 173.334(d) in that the cylinder must be overpacked; and § 173.334(e) in that the drop test is authorized without the overpack.

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5. BASIS: This special permit is based on the application of Cardinal Professional Products dated March 12, 2020, submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR 172.101):

<b>Hazardous Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
Organic phosphate compound, mixed with compressed gas	2.3	NA1955	N/A Hazard Zone C

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Packaging prescribed is a DOT Specification 3AA cylinder. Each cylinder must be in conformance with § 173.334, except as follows:

(1) Each cylinder may be charged with no more than 11.35 kg (25 pounds) of hazardous materials authorized in paragraph 6 of this special permit to a maximum filling density of not more than 80 percent of the water capacity.

(2) Each prescribed cylinder may be equipped with an education (dip) tube.

(3) The cylinders are not overpacked as required in §173.334(d).

(4) The cylinders (without an overpack) must meet the drop test requirement of §173.334(e).

b. TESTING: Each cylinder must be inspected and retested as specified in § 180.209 as required for a DOT 3AA cylinder.

c. OPERATIONAL CONTROL:

(1) The cylinder must be charged in accordance with § 173.334 and the total pressure in the cylinder at 130 °F may not exceed 1.05 times the marked service pressure of the cylinder. The maximum vapor pressure at 130 °F may not exceed 1,100 psia.

(2) Before each filling of a cylinder, the person filling the cylinder must visually inspect the outside of the cylinder. A cylinder that has a crack or leak, is bulged, has a defective valve, or bears evidence of physical abuse, fire or heat damage, or detrimental rusting or corrosion may not be used unless it is properly repaired and requalified as prescribed in § 180.209.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit 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 special permit and the HMR.

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

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each motor vehicle used to transport packages covered by this special permit.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit 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 special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.

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- o Persons operating under the terms of this special permit 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 special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

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

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for William Schoonover  
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety

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Administration, U.S. Department of Transportation, East Building  
PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C.  
20590.

Copies of this special permit may be obtained by accessing the  
Hazardous Materials Safety Homepage at  
[http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm).  
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PO: Mark Toughiry/NICKS