



U.S. Department  
of Transportation

**Pipeline and Hazardous  
Materials Safety  
Administration**

**October 24, 2022**

1200 New Jersey Avenue, SE  
Washington, DC 20590

DOT-SP 20647  
(SECOND REVISION)

**EXPIRATION DATE: 2026-09-30**

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Advanced Chemical Transport, Inc.  
Sunnyvale, CA
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation of a non-DOT specification bulk metal container with inner non-DOT specification metal trap/canisters containing Division 4.2 materials for disposal. 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 § 173.242 in that non-DOT specification bulk containers are not authorized.
5. BASIS: This special permit is based on the application of Advanced Chemical Transport, Inc. dated September 26, 2022, submitted in accordance with § 107.109.

Tracking Number: 2022095358

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Phosphorus, white dry <i>or</i> Phosphorus, white, under water <i>or</i> Phosphorus white, in solution <i>or</i> Phosphorus, yellow dry <i>or</i> Phosphorus, yellow, under water <i>or</i> Phosphorus, yellow, in solution	4.2	UN1381	I

7. SAFETY CONTROL MEASURES:a. PACKAGING:

(1) The outer packaging consists of a metal box certified in accordance with “DNV Standard for Certification No. 2.7-1, Offshore Containers,” dated April 2006 and conforming to Gauthiers’ drawing number PES-11-DG-1087-020, dated March 21, 2014, on file with the Office of Hazardous Materials Safety (OHMS). The outer packaging may not contain more than one inner packaging.

(2) The inner packaging consists of a canister conforming to Veeco Turbodisc Operations drawing number 1094033 Rev. C, dated February 12, 2007, on file with OHMS. The inner packaging must be secured in the outer packaging with load locks to prevent movement during transportation.

(3) No new outer packagings may be manufactured under the terms of this special permit.

b. OPERATIONAL CONTROLS:

(1) Transportation must be directly from the initial waste generation location to a disposal facility with no additional stops.

(2) A maximum of two outer packaging may be transported on each motor vehicle.

(3) The outer packagings must be secured to prevent movement during transportation.

(4) The packagings must be transported on motor vehicle owned and operated by Advanced Chemical Transport.

(5) Motor vehicles must be in exclusive use of the grantee of this special permit.

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.
- 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 Administration, U.S. Department of Transportation, East Building PHH-13, 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 <https://www.phmsa.dot.gov/approvals-and-permits/hazmat/special-permits-search>. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: JN