



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

April 17, 2025

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 21892

EXPIRATION DATE: 2025-12-31

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Electronic Fluorocarbons, LLC
Hopkinton, MA
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of anhydrous ammonia in DOT 3AAX cylinders. 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 § 173.304a(a), in that a DOT 3AAX cylinder is not authorized; and § 173.301(f) in that an unbacked rupture disk is used, as specified herein.
5. BASIS: This special permit is based on the application of Electronic Fluorocarbons, LLC dated November 7, 2024, submitted in accordance with § 107.105 and the public proceeding thereon.

Tracking Number: 2024114388

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Ammonia, anhydrous	2.2/2.3*	UN1005	N/A

* Division 2.3 for international shipment.

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Prescribed packagings are DOT specification 3AAX cylinders which meet all requirements of §§ 178.35 and 178.37 as applicable.

- (1) Each cylinder must have a marked service pressure of 2,400 psig and a nominal water capacity of 1036 lbs. (470 Liters).
- (2) The cylinder must be equipped with CG-1 (rupture disk) pressure relief device (PRD) set in accordance with §173.301(f)(3) at the cylinder test pressure.

b. OPERATIONAL CONTROLS:

- (1) Each cylinder must meet all applicable filling requirements in the Hazardous Materials Regulations for anhydrous ammonia.
- (2) Electronic Fluorocarbons LLC will act as a shipper under the terms of this special permit.
- (3) Cylinders are only authorized for transportation under the terms of this special permit until December 31, 2025. The quantity of cylinders shipped shall not exceed 160.
- (4) Emergency response information must be provided with the shipment and available via an emergency response telephone number. and the information must indicate that the cylinders are fitted with a CG-1 (rupture disk) pressure relief device and provide appropriate guidance for exposure to fire.
- (5) Cylinders authorized under this special permit may be transported by cargo vessel only when loaded into closed steel freight containers.

- c. MARKING: In addition to the DOT 3AAX specification marking, each cylinder covered by this special permit must be plainly and durably marked "DOT-SP 21892".
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 packaging 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, rail freight, and cargo vessel.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel, or 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