



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

October 18, 2024

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 21852

EXPIRATION DATE: 2026-09-30

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: National Aeronautics and Space Administration
Washington, DC
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of Methylhydrazine in the packaging specified in paragraph 7.a. 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 § 173.226(b) in that a non-UN Standard drum is not authorized, except as specified herein.
5. BASIS: This special permit is based on the application of the National Aeronautics and Space Administration dated September 3, 2024, submitted in accordance with § 107.105 and the public proceeding thereon.

Tracking Number: 2024094149

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Methylhydrazine	6.1	UN1244	I

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Prescribed packagings are twenty-seven 55-gallon stainless steel drums constructed to the DOT Specification 5C and manufactured before December 21, 1990. Each drum must be further packed in a 95-gallon 1H2 tested and certified as meeting the Packing Group I performance level. The inner drum must be isolated from the outer drum by a shock-mitigating, non-reactive material, which completely surrounds the inner packaging on all sides. All outer drums, even those tested to contain inner packaging(s) or as a single packaging for solids, must withstand a hydrostatic test pressure of 100 kPa (15 psig). The outer drum must have a minimum thickness of 6.3 mm (0.248 inch).

b. OPERATIONAL CONTROLS:

(1) Each DOT Specification 5C drum must be visually checked for leakage or evidence of leakage prior to being packed in the 1H2 drum. Additionally, each DOT Specification 5C must be checked with a Draeger MMH vapor detector to verify there is no emission of toxic vapors prior to being packed in the 1H2 drum.

(2) DOT Specification 5C drums that are leaking, show evidence of leakage, or are emitting toxic vapors may not be transported under the terms of this special permit.

(3) The shipper must palletize the drums, block and brace the drums within the transport vehicle, and seal the transport vehicle used.

(4) Drums may not be stacked (double decked) within the transport vehicle. Shipments must be from one origin to one destination only without any intermediate pickup or delivery.

(5) Only one movement is authorized under the terms of this special permit.

(6) Transportation is only authorized from the White Sands Test Facility in Las Cruces, NM to Calca Solutions in Lake Charles, LA.

(7) The transport vehicle must be escorted while in transportation.

(8) The transport vehicle shall have satellite links from the origin to the destination.

(9) The transport vehicle shall have a minimum of two (2) drivers.

8. SPECIAL PROVISIONS:

a. Under the terms of this special permit, the grantee may only offer hazardous materials (i.e., the grantee is not authorized as a carrier).

b. 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 and it is reoffered for transportation in conformance with this special permit and the HMR.

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: BM