



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

December 19, 2023

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 16519
(THIRD REVISION)

EXPIRATION DATE: 2027-11-30

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Space Exploration Technologies Corp.
Hawthorne, CA
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of certain hazardous materials that are components of the Falcon Launch Vehicle Flight Termination System (FTS) that have been damaged during recovery. 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 development of this special permit only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use, use as a component of a transport vehicle or other device, or other uses not associated with 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 § 173.62 in that the packaging is not authorized, § 173.56(b) in that Class 1 materials must be approved and 172.320 in that each package must be marked with the EX numbers, except as provided herein.

Tracking Number: 2023085612

5. BASIS: This special permit is based on the application of Space Exploration Technologies Corp. dated August 30, 2023, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper shipping name	Hazard Class/ Division	Identification Number	Packing Group
Charges, shaped, flexible, linear (damaged*)	1.1D	UN0288	II

* add the word damaged after the proper shipping name

7. SAFETY CONTROL MEASURES:

a. PACKAGING:

(i) Inner Packaging: Static resistant plastic bags containing not more than 400 g net explosive weight of damaged shaped charges that are recovered in the event that the nominal landing is not successful.

(ii) Outer Packaging: UN1A2 steel drum meeting packing group II performance criteria with sufficient vermiculite or similar, suitable material to prevent movement or impact during transportation.

b. OPERATIONAL CONTROLS: All packages shipped under the terms of this special permit must be transported by a contract carrier under the exclusive use of Space Exploration Technologies Corp.

8. SPECIAL PROVISIONS:

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

b. MARKING: Each drum must be marked "DOT-SP 16519" as provided by § 172.301(c).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor Vehicle, 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.:

A handwritten signature in blue ink, appearing to read "Dan B.", is written over a faint, circular official stamp.

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: KH