



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

February 20, 2026

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 22215

EXPIRATION DATE: 2026-05-31

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Blue Origin, LLC
Merritt Island, FL
2. PURPOSE AND LIMITATIONS:
 - a. This emergency special permit authorizes the one-time, one-way transportation in commerce of certain Division 1.1D detonating cord, Division 1.4C power device cartridges, and Division 1.4S detonating fuzes with Division 2.2 compressed gases, together in the same motor vehicle, subject to the packaging and special provisions prescribed herein. 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 § 173.61(a) in that the shipment of Division 1 explosives in the same outside packaging with other hazardous materials is not authorized, except as specified herein; Subpart F of Part 172 in that placarding other than “DANGEROUS” is waived; § 173.301(g) with respect to the manifolding restrictions and container valve protection requirements for transportation of compressed or liquefied gases; § 173.302(a) regarding the non-liquefied compressed gas cylinder shipping requirements for nitrogen, and § 177.848(d) Table regarding the segregation of hazardous materials in the same vehicle.

Tracking Number: 2026024687

5. **BASIS:** This emergency special permit is based on the application of Blue Origin, LLC dated February 19, 2026, submitted in accordance with § 107.117 and the determination it was necessary to prevent significant economic loss.
6. **HAZARDOUS MATERIALS (49 CFR 172.101):**

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Ammonia, anhydrous	2.2	UN1005	N/A
Cartridges, power device	1.4C	UN0276	N/A
Cord, detonating, <i>flexible</i>	1.1D	UN0065	N/A
Fuzes, detonating	1.4S	UN0367	N/A
Nitrogen, compressed	2.2	UN1066	N/A
Xenon, compressed	2.2	UN2036	N/A
Detonators, non-electric, <i>for blasting</i>	1.4S	UN0455	N/A
Cord, detonating, mild effect <i>or</i> Fuse, detonating, mild effect <i>metal clad</i>	1.4D	UN0104	N/A
Fuzes, detonating, <i>with protective features</i>	1.4D	UN0410	N/A

7. **SAFETY CONTROL MEASURES:**

a. **PACKAGING:**

(1) Packagings prescribed for the “flight-ready” spacecrafts must encapsulate the entire spacecraft and any fixtures, work stands, or flight adaptor structures required to support the spacecraft. Packagings must provide a protective environmental container with continuous low flow rate gaseous nitrogen or conditioned air purging. They must be designed to support the structural loading imposed by their own weight and the transport environment and must meet any hoisting/forklift compatibility requirements.

(2) Both packagings and spacecraft must be designed and constructed in accordance with the requirements of NASA document KHB 1700.7, Rev. B entitled "Space Shuttle Payload Ground Safety Handbook" dated Sept. 1, 1992, and USAF document ESMCR 127-1 entitled "Range Safety" dated July 30, 1984, which are on file with Office of Hazardous Materials Safety (OHMS). No spacecraft covered by this special permit may contain a pressure relief valve in any system which could result in venting of toxic material if actuated. The packagings must be firmly attached to the transport vehicles by either steel chain or machine bolts and must be of a launch vehicle fairing (nose section of the rocket) for spacecraft launched on the New Glenn Launch vehicle:

This transport container configuration is approximately 27 feet in width and 88 feet in height on the transporter. The nose fairings transported in this launch vehicle have pressurized nitrogen bottles and detonating fuzes installed to allow for fairing separation in flight.

(3) The "flight-ready" spacecraft may not contain more than the following quantities of hazardous materials:

- (i) Nitrogen, compressed, 50 pounds;
- (ii) Xenon, 46 pounds;
- (iii) Anhydrous ammonia, 158 pounds;

b. OPERATIONAL CONTROLS:

(1) Each transport operation must be conducted in accordance with the requirements of ESMCR 127-1, Section 5.6.4 entitled Convoy Operations; e.g., fore and aft escorts must be provided, all convoy elements must be in radio contact with each other throughout the convoy operation, and speed may not exceed 10 mph.

(2) Shipments must be made between the Blue Origin facilities in Merrit Island, Florida and the Kennedy Space Center using only the roads specified in the application.

(3) To the extent possible, movement of the hazardous materials must be conducted when traffic is low.

c. MARKING:

(1) The package must be marked "DOT-SP 22215" in letters at least two inches high on at least 2 opposite sides on a contrasting background.

- (2) The transporter may display “DANGEROUS” placards instead of multiple types of placards required in Subpart F of Part 172.
8. SPECIAL PROVISIONS: 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 Quade
Acting Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, East Building PHH-6, 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: TG