



U.S. Department  
of Transportation

**Pipeline and Hazardous  
Materials Safety  
Administration**

**June 10, 2026**

1200 New Jersey Avenue, SE  
Washington, DC 20590

DOT-SP 22193

**EXPIRATION DATE: 2028-05-31**

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Samsung SDI Battery Systems GmbH  
Premstaetten, Austria  
  
US AGENT: Labelmaster Services, Inc.  
Chicago, IL
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of prototype lithium ion batteries that have not completed all U.N. tests and exceed 35 kg net weight per package by cargo-only aircraft. This special permit provides no relief from the Hazardous Materials Regulations (HMR) or the International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO TI) 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.
  - d. This special permit serves as an approval under Special Provision A88 of the ICAO TI, and as a "Competent Authority Approval" as defined under § 107.1.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.101 Hazardous Materials Table Column (9B) in that lithium batteries may have a mass exceeding 35 kg per

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package; § 173.185(a) in that the lithium battery is not of a type proven to meet the criteria in part III, sub-section 38.3 of the UN Manual of Tests and Criteria; and § 173.185(b)(6) in that air transportation is authorized, as specified herein.

5. **BASIS:** This special permit is based on the modification applications of Samsung SDI Battery Systems GmbH dated January 23, 2026, submitted in accordance with § 107.105 and the public proceeding thereon.
6. **HAZARDOUS MATERIALS (49 CFR 172.101):**

<b>Hazardous Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
Lithium ion batteries <i>lithium ion polymer batteries</i>	9	UN3480	N/A

7. **SAFETY CONTROL MEASURES:**

- a. **PACKAGING:**

- (1) Outer packaging: UN 50A steel Large Packagings that have been constructed, tested, and certified to the Packing Group I performance level.
- (2) Packagings must comply with the requirements of Packing Instructions 910 of the Supplement to the ICAO TI.
- (3) Not more than one battery is allowed per package.
- (4) The net weight of each battery within a package must not exceed 220 kg (485 pounds).

- b. **TESTING:**

- (1) Cells comprising the batteries must be of a type that has successfully passed the tests in accordance with Section 38.3 of the UN Manual of Tests and Criteria, 8<sup>th</sup> Revised Edition.
- (2) Batteries are not required to be of a type that has successfully passed the tests in accordance with Section 38.3 of the UN Manual of Tests and Criteria, 8<sup>th</sup> Revised Edition.

c. OPERATIONAL CONTROLS:

(1) Authorized batteries are as described in Samsung SDI Battery Systems GmbH's application dated January 23, 2026, and on file with the Office of Hazardous Materials Safety and as follows:

(i) A maximum Watt-hour rating of 24.8 kWh each and;

(ii) Cells comprising the batteries are identified as model CP7294L101 and have a rated capacity of 72.9 Ah and a nominal voltage of 3.15 V.

(2) Cells and batteries must be protected against short-circuiting.

(3) Cells or modules connected in parallel must be equipped with an effective means to prevent dangerous reverse current flow.

(4) The batteries must be offered for air transportation at a state of charge not greater than 30%.

(5) A Battery Management System (BMS) verified to prevent overcharge, short-circuiting, and over-discharge.

d. MARKING: Each package, and overpack if used, must be marked with the special permit number "DOT-SP 22193" in accordance with § 172.302(c).

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 and it is reoffered for transportation in conformance with this special permit, the HMR and the ICAO TI.

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

c. This special permit in no way affects the need to obtain any required authorizations from other agencies of the United States Government or from the competent authorities of countries of origin, transit, destination, and State of Operator.

d. The grantee must maintain a record of all activity conducted under the authority granted in this special permit and upon request make this information available to DOT representatives or enforcement officials. The record must contain a listing and number of shipments made to include:

- (1) Dates of shipment; and
- (2) Description of each type of shipment.

9. MODES OF TRANSPORTATION AUTHORIZED: Cargo-only aircraft.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each aircraft used to transport packages covered by this special permit. The shipper must furnish a copy of this special permit to the air carrier before or at the time the shipment is tendered.
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.:



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for William Quade  
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-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: ae