



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

April 17, 2025

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 21907

EXPIRATION DATE: 2027-03-31

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: BMW Manufacturing Co., LLC
Greer, SC
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of lithium ion batteries in alternative packaging. 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 § 173.185(b)(3)(i) in that lithium cells or batteries must be placed in non-metallic inner packagings that completely enclose the cells or batteries, and separate the cells or batteries from contact with equipment, or other devices, or electronically conductive materials, except as specified herein.
5. BASIS: This special permit is based on the application of BMW Manufacturing Co., LLC dated December 3, 2024, submitted in accordance with § 107.105 and the public proceeding thereon.

Tracking Number: 2024124218

6. HAZARDOUS MATERIALS (49 CFR 172.101):

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

7. SAFETY CONTROL MEASURES:a. PACKAGING:

(1) Trays: One hundred six (168) lithium ion cells must be housed on a tray with slots where each slot holds a cell using four (4) thermoplastic polyurethane fingers that touch the top and bottom of the cells to restrict cell movement and rotation. The cells must be adequately spaced to protect against short-circuiting and prevent the propagation of thermal runaway should that happen.

(2) Outer Packaging: UN 4H2 plastic box that meets the Packing Group II performance level, each containing not more than four filled trays stacked vertically to prevent movement during transportation. The completed package is 1220 mm (48 inches) x 1020 mm (40.2 inches) x 820 mm (32.3 inches).

(3) The completed outer package must be sealed to prevent introduction of dust, water, or other external impurities during transportation.

(4) The completed outer package must be strapped to hold the pieces in place using the one-inch-high strength polyester strap as described in BMW Manufacturing Co., LLC's application dated January 27, 2025, and which is on file with the Office of Hazardous Material Safety.

(5) The gross weight of a total loaded package may not exceed 386 kg (850 pounds)

b. TESTING: The cells must be of a type proven to successfully pass all prescribed testing requirements in accordance with the UN Manual of Tests and Criteria, applicable revised edition at the time of shipment.

c. OPERATIONAL CONTROLS:

(1) Packages prepared under the terms of this approval are prohibited from being offered for transportation or transported under the provisions of 49 CFR 173.185(c).

(2) No batteries other than single cell batteries, or no cells contained in or packed with equipment are authorized to be shipped in the alternate packaging under this special permit.

d. MARKING: Each package, and overpack if used, prepared under the provisions of this approval must be plainly marked with the special permit number: "DOT-SP 21907".

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 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 and rail freight.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: SH/TG