



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

April 24, 2023

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 21483

EXPIRATION DATE: 2025-03-31

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Trinity Industries, Inc.
Dallas, TX
2. PURPOSE AND LIMITATIONS:
 - a. This special permit authorizes the manufacture, mark, sale, and use of certain DOT specification 105J600W and DOT specification 105J600I tank cars equipped with a welded protective housing for the transportation in commerce of Division 4.2 and Division 4.3 hazardous materials. 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. In accordance with 49 CFR 107.107(a), party status may not be granted to a manufacturing special permit. These packagings may be used in accordance with 49 CFR 173.22a.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 179.100-12(c) in that alternative packaging is authorized.
5. BASIS: This special permit is based on the application of Trinity Industries, Inc. dated November 29, 2022, submitted in accordance with § 107.105 and the public proceeding thereon.

Tracking Number: 2022124055

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Organometallic substance, liquid, pyrophoric	4.2	UN3392	I
Organometallic substance, liquid, pyrophoric, water-reactive	4.2	UN3394	I
Organometallic substance, liquid, water-reactive	4.3	UN3398	I
Organometallic substance, liquid, water-reactive, flammable	4.3	UN3399	I

7. SAFETY CONTROL MEASURES:a. PACKAGING:

- (1) For tank cars built before March 16, 2009, packaging described is a DOT specification 105J600W constructed under certificate L096020A except that they are equipped with a welded protective housing in lieu of a bolted protective housing as specified in § 179.100-12(c).
- (2) For tank cars built on or after March 16, 2009, packaging described is a DOT specification 105J600I except that they are equipped with a welded protective housing instead of a bolted protective housing as specified in § 179.100-12(c).
- (3) The tank cars shell has a minimum thickness of 0.981-inch.
- (4) The tank cars heads have a minimum thickness of 1.136-inch thickness.
- (5) The tank cars have a nominal shell-full capacity of 18,063 water gallons.
- (6) The tank cars have full height head protection in compliance with § 179.16.

(7) Gross weight on rail of tank cars operating under this special permit may not exceed 286,000 pounds GWR.

(8) New tank car construction with the welded protective housing is not authorized under terms of this special permit.

b. MARKING: The tank car shall be stenciled "DOT-SP 21483" in letters and materials at least 4" high in a contrasting color as required by § 179.22.

8. SPECIAL PROVISIONS:

a. In accordance with the provisions of Paragraph (b) of § 173.22a, persons may use the packaging authorized by this special permit for the transportation of the hazardous materials specified in paragraph 6, only in conformance with the terms of this special permit.

b. A person who is not a holder of this special permit, but 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 offered for transportation in conformance with this special permit and the HMR.

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

d. Each packaging manufactured under the authority of this special permit must be either (1) marked with the name of the manufacturer and location (city and state) of the facility at which it is manufactured or (2) marked with a registration symbol designated by the Office of Hazardous Materials Safety for a specific manufacturing facility.

e. A current copy of this special permit must be maintained at each facility where the packaging is manufactured under this special permit. It must be made available to a DOT representative upon request.

f. The builder of the tank cars authorized under this special permit must develop a program of maintenance and qualification. Any such program must identify areas of inspection for fatigue, corrosion, wear, etc., have a "life cycle" maintenance plan, and be of demonstrable reliability and sensitivity. This program must identify inspection items, inspection methods, acceptance criteria, and inspection frequencies and must have written procedures that ensure that work performed on cars conforms to Federal Regulations. Persons seeking to operate cars built under this special permit must incorporate and acknowledge the owner's program of maintenance and qualification in a written, signed document, which must be made available to a representative of the U.S. Department of Transportation upon request.

g. Any of the builder's procedures developed in relation to the car approved by this special permit, whether for construction or subsequent modification or examination, must be open to a representative of the U.S. Department of Transportation upon request.

9. MODES OF TRANSPORTATION AUTHORIZED: Rail freight.

10. MODAL REQUIREMENTS: The grantee must notify the Federal Railroad Administration (FRA) of any unusual incident or incidents known to it that occur during the movement of cars built under this special permit. This includes adverse findings related to the welded protective housing during qualification. The FRA may be contacted at:

Federal Railroad Administration
Hazardous Materials Division
1200 New Jersey Ave., SE
W35-331
Washington, DC 20590
ATTN: Mark Maday, Staff Director
Telephone: 202-493-0479; Fax: 202-493-6478
mark.maday@dot.gov

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 Materials 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: MAJORS