



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

November 18, 2024

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 21782

EXPIRATION DATE: 2026-10-31

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Zhejiang Dongcheng Printing Industry Co., Ltd.
Quzhou, Zhejiang, China

US AGENT: Theodore A. Parker
Wapole, MA

2. PURPOSE AND LIMITATIONS:

a. This special permit authorizes the manufacture, mark, sale, and use of a non-DOT specification, non-refillable inside steel container conforming with all regulations applicable to a DOT specification 2Q inside container, except as specified herein, for the transportation in commerce of the hazardous materials authorized by this special permit. 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.

Tracking Number: 2024055079

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.304a(d)(3)(ii) in that the authorized pressure for DOT Specification 2Q containers are exceeded and that a non-DOT specification container is authorized, as provided herein.
5. BASIS: This special permit is based on the application of Zhejiang Dongcheng Printing Industry Co., Ltd. dated May 22, 2024, submitted in accordance with § 107.105 and the public proceeding thereon.
6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Propane	2.1	UN1978	N/A
Petroleum gases, liquefied <i>or</i> Liquefied petroleum gas	2.1	UN1075	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Prescribed packaging is a non-refillable, non-DOT specification inside steel container with a water capacity not exceeding 0.9 liters (54.9 cubic inches) and is not equipped with a pressure relief device. The container must be in conformance with Zhejiang Dongcheng Printing Industry Co., Ltd. drawing number ZDC-100-00, dated December 12, 2021; drawing number ZDC-200-00, dated December 12, 2021; drawing number ZDC-300-00, dated December 12, 2021; or drawing number ZDC-400-00, dated December 12, 2021, on file with the Office of Hazardous Materials Safety and with DOT Specification 2Q (§ 178.33a), except as follows:

§ 178.33a-7 Wall thickness.

- (a) The minimum wall thickness for containers manufactured under this special permit shall be 0.012 inch.

§ 178.33a-8 Tests.

- (a) Five out of each lot of 5,000 containers or fewer, successively produced per day, shall be pressure tested to destruction and must not burst below 540 psig. The containers must be complete with ends assembled.

(b) Each such 5,000 containers or fewer, successively produced per day, shall constitute a lot and if any of the test containers shall fail, the lot shall be rejected or ten additional containers may be selected at random and subjected to the pressure test. These containers shall be complete with ends assembled. Should any of the ten containers thus tested fail, the entire lot must be rejected. All containers constituting a lot shall be of like material, size, design, construction, finish, and quality.

§ 178.33a-9 Marking.

(a) * * *

(1) “DOT-SP 21782” in lieu of “DOT 2Q”.

(2) * * *

b. OPERATIONAL CONTROLS:

(1) Each container must be filled so that the maximum charging pressure may not exceed 110 psig at 70°F or 260 psig at 130°F. In addition, the liquid portion of the gas must not completely fill the container at any temperature up to and including 130°F.

(2) Prior to shipment, each completed container must be heated until the pressure in the container is equivalent to the equilibrium pressure of the lading at 130°F. Lading equilibrium pressure may not exceed 260 psig at 130°F. Acceptable container must show no evidence of leakage, distortion, or other defect.

(3) The container must be packed in strong outside packaging as prescribed in § 173.301(a)(9).

(4) Each outside packaging must be marked “INSIDE CONTAINERS COMPLY WITH DOT-SP 21782”.

(5) Each package may not exceed 66 pounds gross weight.

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 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 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.
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, and cargo vessel.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel, aircraft, or motor vehicle 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.:



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: BM