



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

March 06, 2024

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 16060
(FIFTH REVISION)

EXPIRATION DATE: 2028-01-31

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Dae Ryuk Can Co., Ltd
Seoul, South Korea

US AGENT: CT Corporation System
Washington, DC

2. PURPOSE AND LIMITATIONS:

a. This special permit authorizes the manufacture, mark, sale, and use of non-DOT specification inside containers conforming to all regulations applicable to the DOT Specification 2P, except as specified herein, for the transportation in commerce of certain Division 2.1 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 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 §§ 173.304a(a)(1) and 173.304a(d)(3)(ii) in that a non-DOT specification packaging is not authorized, except as specified herein, and the maximum charging pressure may be exceeded as provided herein.
5. BASIS: This special permit is based on the renewal application of Dae Ryuk Can Co., Ltd. dated December 22, 2023, submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Petroleum gases, liquefied <i>or</i> Liquefied petroleum gas	2.1	UN1075	N/A
Receptacle small, containing gas <i>or</i> gas cartridges (<i>flammable</i>), <i>without release device, not refillable and not exceeding 1L capacity</i>	2.1	UN2037	N/A

7. SAFETY CONTROL MEASURES:

- a. PACKAGING: Packagings prescribed are non-DOT specification, non-refillable inside containers. The 4 oz container has a water capacity not exceeding 15.07 cubic inches (0.247 L). The 8 oz container has a water capacity not exceeding 31.06 cubic inches (0.51 L). The 16 oz container has a water capacity not exceeding 60.41 cubic inches (0.99 L). The containers must conform to Dae Ryuk Can Co. Ltd. drawings on file with the Office of Hazardous Materials Safety (OHMS). The containers must meet all the requirements specified in § 173.304a(d)(3)(ii) and § 178.33, except as follows:

§ 178.33-2 Type and size.

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- (b) * * * The maximum inside diameter may not exceed 4.33 inches (110.0 mm).

§ 178.33-7 Wall thickness.

(a) For the 4 oz and 8 oz containers, the minimum wall thickness of the body must be 0.012 inches (0.30 mm) with a corresponding minimum bottom thickness of 0.0197 inches (0.50 mm). For the 16 oz container, the minimum wall thickness of the body must be 0.014 inches (0.36 mm) with a corresponding minimum bottom thickness of 0.0236 inches (0.60 mm).

§ 178.33-8 Tests.

(a) Each 2,500 containers or fewer successively produced in a day must constitute a lot. These containers must be complete with ends assembled, of the same material, size, design, construction, and finish.

(b) Five containers out of each lot of 2,500 containers or fewer successively produced must be pressure tested to determine the burst pressure. The containers must be complete with ends assembled. The minimum burst pressure may not be less than 246 psig for the 4 oz and 8 oz containers and 260 psig for the 16 oz container.

(c) If any of the test containers in a lot fail the pressure test, that lot must be rejected, or ten additional containers selected at random from the lot may be subjected to the pressure test. Should any of the ten test containers fail the test, the entire lot must be rejected.

(d) Each completed container filled for shipment must have been heated until the pressure in the container is equivalent to the equilibrium pressure of the contents at 130 °F without evidence of leakage, distortion, or other defect.

(e) The containers authorized by this special permit must be packaged in outside packagings conforming to § 173.301(a)(9).

§ 178.33-9 Marking.

(a) * * *

(1) Each container must be marked “DOT SP-16060” instead of “DOT-2P”.

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b. OPERATIONAL CONTROLS:

- (1) Each container must be filled and tested in accordance with § 173.304a(d)(3)(ii), except that the maximum charge pressure may not exceed 57 psig at 70 °F, and 137 psig at 130 °F.
- (2) Each outside packaging must be marked “INSIDE CONTAINERS CONFORM WITH DOT-SP 16060”.

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.

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 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 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: Jephthah Nti