

April 8, 2015



U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue, Southeast
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 11914
(NINTH REVISION)

EXPIRATION DATE: January 31, 2019

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Cascade Designs, Inc.
Seattle, WA
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of a Division 2.1 material in a non-refillable, non-DOT specification inside container conforming in part with the DOT Specification 2P. 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.
 - c. Party status will not 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 §§ 173.304a(d)(3)(ii) and 178.33 in that non-DOT specification packagings are not authorized, except as specified herein.
5. BASIS: This special permit is based on the Cascade Designs, Inc. application dated September 8, 2014 and additional information dated February 4-13, 2015 and March 15-26, 2015 submitted in accordance with § 107.105 and the public proceeding thereon.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/Division	Identification Number	Packing Group
Petroleum gases, liquefied	2.1	UN1075	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packagings are non-DOT specification, non-refillable inside containers, with a water capacity not exceeding 1L (61 cubic inches), and are constructed in conformance with Tae Yang Industrial Company, Ltd. drawings on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA). Containers conform with DOT Specification 2P (§ 178.33) except as follows:

§ 178.33-2 Type and size.

(a) * * *

(b) The maximum capacity of containers may not exceed 1L (61 cubic inches). The maximum inside diameter must not exceed 105.5 mm (4.15 inches).

§ 178.33-7 Wall thickness.

(a) The minimum wall thickness for containers not exceeding 0.5L (30.5 cubic inches) must be 0.32 mm (0.012 inch). The minimum wall thickness for the 1L (61 cubic inches) container must be 0.36 mm (0.0135 inch).

§ 178.33-8 Tests.

(a) One container out of each lot of 1,000 or less successively produced must be pressure tested to destruction. The bottom end of the test container must reverse prior to any leakage or rupture. For containers not exceeding 0.5L (30.5 cubic inches), the test container must not burst below 18.25 bar (265 psig). For 1L (61 cubic inches) containers, the test container must not burst below

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21.65 bar (314 psig). Should the test sample fail, 10 additional samples must be taken at random from the lot and tested as above. If any of the 10 additional samples fail the test, the lot must be rejected.

§ 178.33-9 Marking.

(a) * * *

(1) "DOT-SP 11914" in lieu of "DOT 2P".

* * *

b. OPERATIONAL CONTROLS - Each container must be filled and tested in accordance with § 173.304a(d)(3)(ii) except that the maximum charge pressure may not exceed 60 psig at 70°F, and the pressure at 130°F may not exceed 135 psig.

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 modifications or changes are made to the inner package 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.

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

d. MARKING - Each outside packaging must be marked "INSIDE CONTAINERS CONFORM WITH DOT-SP 11914".

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel and cargo only aircraft.

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 notices of certain hazardous materials incidents, and 171.16 Detailed hazardous materials

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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 Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-31.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: SG