

December 16, 2015



U.S. Department
of Transportation

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

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 16540

EXPIRATION DATE: November 30, 2017

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Gaz Liquefies Industrie
Paris, France,

US AGENT: Aris Antoniou
Kingwood, TX

2. PURPOSE AND LIMITATIONS:

- a. This special permit authorizes the manufacture, mark, sale and use a specification UN portable tank conforming to the requirements specified in § 172.102(c)(7) portable tank code T50 that has been designed, constructed, certified, and stamped in accordance with the latest edition of Section VIII, Division 1 of the ASME Code with a design margin of 3.5:1. The portable tank is used for the transportation in commerce of certain Division 2.3, Class 3, Division 6.1, and Class 8 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. This special permit also serves as an approval under § 172.102(b)(3), Special Provision B77.

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3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §, 172.102(c)(7) in that anhydrous hydrazine is not authorized in portable tanks, § 172.102(c)(8), Special Provision TP38 in that portable tanks are not insulated, and §§ 178.274(b) and 178.277(b)(1) in that the latest edition of Section VIII, Division 1 of the ASME Code may not be used, except as specified herein.
5. BASIS: This special permit is based on the application of Gaz Liquefies Industrie dated July 31, 2015, 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	Identi- fication Number	Packing Group
Dimethylhydrazine, unsymmetrical	6.1	UN1163	I (Hazard Zone B)
Dinitrogen tetroxide	2.3	UN1067	N/A (Hazard Zone A)
Hydrazine, anhydrous	8	UN2029	I
Isopropanol or Isopropyl alcohol	3	UN1219	II
Methylhydrazine	6.1	UN1244	I (Hazard Zone A)
Nitric oxide and dinitrogen tetroxide mixtures or Nitric oxide and nitrogen dioxide mixtures	2.3	UN1975	N/A (Hazard Zone A)

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7. SAFETY CONTROL MEASURES:a. PACKAGING -

(1) Packaging prescribed is a specification UN portable tank conforming to the requirements of § 172.102(c)(7) portable tank code T50 which is designed, constructed, certified, and stamped in accordance with Section VIII, Division 1 of the ASME Code with a design margin of 3.5:1.

(2) Each portable tank must be constructed in accordance with the manufacturer's drawings, specifications, and calculations on file with the Office of Hazardous Materials Safety Approvals and Permits Division and in accordance with the following characteristics:

G.A. drawing	GLI dwg. 100220ASME
ASME Design pressure <i>see Note(1)</i>	2.0 MPa (290 psig) @ 50 °C (122 °F)
Test pressure	3.0 MPa Hydro/435 psig Hydrostatic
Material	204L SA240/SA240M
Design temperature range	-40 °C to +50 °C
Water capacity	995 liters(263 USWG) nominal
Shell thickness	11.75 mm nominal [9.73 mm min by Code]
Head thickness	9.8 mm nominal [8.97 mm min by Code]
Corrosion allowance	0
NDE	Radiography: RT1 UW-51 i.e., full UW-11(a) Liquid penetrant: 100% UG-103
Tare weight	900 kg (1,985 lb)

Note: The design pressure means the "Maximum Allowable Working Pressure" as used in the ASME Code.

b. TESTING -

(1) Hydrostatic test certificates for each tank must be maintained by the owner and made available upon request to any representative of DOT.

(2) Each tank must be inspected and tested as specified in § 180.605(c)(1) for UN portable tanks.

c. OPERATIONAL CONTROLS -

(1) The pressure produced by the lading and any gas padding at 50 °C (122 °F) may not exceed the design pressure of the portable tank.

(2) Each portable tank must be filled by weight.

(3) Each tank must be visually inspected prior to shipment to ensure that it has not been damaged during loading. Any unsafe condition must be corrected prior to the tank's use.

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 Special Permits and Approvals 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.

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

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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 Dr. Magdy El-Sibaie
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-30, 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 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: MAJORS