

March 22, 2012



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 14193  
(FIFTH REVISION)

**EXPIRATION DATE: March 31, 2015**

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Honeywell International, Inc.  
Morristown, NJ
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of thirty five non-DOT specification IMO Type 5 portable tanks, each mounted in an ISO frame, containing certain Division 2.2 and 2.3 compressed gases. 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 § 172.101, Hazardous Materials Table, Column (7), Special Provision B9 in that no bottom outlets are permitted, except as provided herein.
5. BASIS: This special permit is based on the application of Honeywell International, Inc., dated December 14, 2010, and additional information of January 23, 2012 submitted in accordance with § 107.105 and the public preceding thereon.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

<b>Hazardous Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B or Zone C (Trifluorochloroethylene, uninhibited)</i>	2.3	UN3160	N/A
1,1,1,2-Tetrafluoroethane, or Refrigerant gas R 134a	2.2	UN3159	N/A

7. SAFETY CONTROL MEASURES:

- a. PACKAGING - Packagings authorized are thirty non-DOT specification portable tanks, each mounted in an ISO Type 1C frame and in accordance with the following specifications:

Tank Number	Water Capacity L (US Gallons)	Design pressure Bar (PSIG)
ETNU 581000-8	18,000 (4755)	27.5 (399)
ETNU 581005-5	18,000 (4755)	27.5 (399)
ETNU 581010-0	18,000 (4755)	27.5 (399)
ETNU 581011-6	18,000 (4755)	27.5 (399)
ETNU 581015-8	18,000 (4755)	27.5 (399)
ETNU 581017-9	18,000 (4755)	27.5 (399)
ETNU 581018-4	18,000 (4755)	27.5 (399)
CCRU 537248-9	16,849 (4451)	27.5 (399)
CCRU 537252-9	16,849 (4451)	27.5 (399)
CCRU 537262-1	16,849 (4451)	27.5 (399)
SEGS 220022-4	16,909 (4467)	19.6 (285)
ETNU 581002-9	18,000 (4755)	27.5 (399)
ETNU 581006-0	18,000 (4755)	27.5 (399)
ETNU 581008-1	18,000 (4755)	27.5 (399)
ETNU 581009-7	18,000 (4755)	27.5 (399)
ETNU 581012-1	18,000 (4755)	27.5 (399)
ETNU 581013-7	18,000 (4755)	27.5 (399)
ETNU 581014-2	18,000 (4755)	27.5 (399)
ETNU 581016-3	18,000 (4755)	27.5 (399)

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ETNU 581019-0	18,000 (4755)	27.5 (399)
LOGU 935074-3	19,998 (5283)	25 (363)
LOGU 935064-0	19,998 (5283)	25 (363)
ETNU 591008-0	18,488 (4884)	27.5 (399)
ETNU 570006-5	18,488 (4884)	27.5 (399)
ETNU 581004-0	18,488 (4884)	27.5 (399)
EURU 538000-7	18,000 (4755)	27.5 (399)
EURU 538001-2	18,000 (4755)	27.5 (399)
EURU 538002-8	18,000 (4755)	27.5 (399)
EURU 538003-3	18,000 (4755)	27.5 (399)
EURU 538004-9	18,000 (4755)	27.5 (399)
EURU 538005-4	18,000 (4755)	27.5 (399)
EURU 538006-0	18,000 (4755)	27.5 (399)
EURU 538007-5	18,000 (4755)	27.5 (399)
EURU 538008-0	18,000 (4755)	27.5 (399)
EURU 538009-6	18,000 (4755)	27.5 (399)

(1) These pressure relief devices are required:  
Two (2) - 2 inch diameter, or one (1) - 3 inch diameter, spring loaded safety relief valves set to discharge at a pressure between 270 psig and 399 psig, not to exceed tank design pressure. Each tank must have a minimum total relief device capacity of 1,224,000 SCFH. Each pressure relief device must be marked with a start-to-discharge pressure in psig and a rated relief device capacity in SCFH.

(2) Insulation - Division 2.3 materials must be transported in portable tanks that conform with § 172.102 Special Provision B14 and the insulation must be protected by stainless steel cladding. Portable tanks containing Division 2.2 materials may be uninsulated. A sun shield is optional.

(3) Bottom outlets are permitted.

b. TESTING -

(1) Hydrostatic test certificates for each tank must be maintained by the owner or manufacturer at its principal business office and be made available to any representative of the DOT upon request.

(2) Minimum test pressure is one and one-half times the design pressure.

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(3) Each tank must be pressure tested at least once every 5 years at one and one-half times the design pressure as specified for DOT 51 portable tanks in § 180.605(c).

(4) Each tank must be visually inspected at least once in every 2 1/2 years as specified for DOT 51 portable tanks in § 180.605(c).

c. OPERATIONAL CONTROLS -

(1) The tank must be filled so as not to be liquid full at 130°F.

(2) Each tank must be visually inspected prior to each trip to ensure that it has not been damaged on the previous trip.

(3) No product may be shipped that has venting requirements exceeding 1,224,000 SCFH. The venting capacity required for each product must be determined by the flow formulas contained in Compressed Gas Association (CGA) Pamphlet S-1.2.

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 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 portable tank must be plainly marked on both sides near the middle, in letters at least two inches high on a contrasting background, "DOT-SP 14193."

d. Transportation of Division 2.3 materials (gases which are poisonous by inhalation) are not authorized aboard cargo vessel unless specifically authorized in the Hazardous Materials Table (§ 172.101).

e. Portable tanks that will be used in offshore service are required to be stamped "Offshore Portable Tank" and

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require additional information to be submitted and acknowledged by the Associate Administrator for Hazardous Materials Safety justifying use in such service.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.
10. MODAL REQUIREMENTS:
  - a. A current copy of this special permit must be carried aboard each cargo vessel used to transport packages covered by this special permit.
  - b. Portable tanks may not be transported in container-on-flat car (COFC) or trailer-on-flat car (TOFC) service except under conditions approved by the Associate Administrator for Safety, Federal Railroad Administration.
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.

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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 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](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: SStaniszewski