



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety Administration**

June 16, 2021

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

DOT-SP 21192
(FIRST REVISION)

EXPIRATION DATE:2023-01-31

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Vacco Industries
South El Monte, CA
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of satellites containing certain refrigerant gases, as articles containing non-flammable, non-toxic gas. 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 the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
 - c. No party status will 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 § 173.232(g)(3) in that non-specification packaging containing gas is not authorized, except as provided herein.
5. BASIS: This special permit is based on the application of Vacco Industries dated February 4, 2021 submitted in accordance with § 107.105 and the public proceeding thereon and additional information dated June 3, 2021.

Tracking Number: 2021064179

June 16, 20216. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/Division	Identification Number	Packing Group
Articles containing non-flammable, non-toxic gas, n.o.s. (HFC-236a)	2.2	UN3538	N/A
Articles containing non-flammable, non-toxic gas, n.o.s. (R 134a)	2.2	UN3538	N/A

7. SAFETY CONTROL MEASURES:a. PACKAGING:

(i) Articles are mini satellite cubes containing compressed refrigerant gas. Outer packaging is a foam lined plastic protective Pelican storage case. Articles and the outer packaging must be as described in the application on file with the OHMS. The satellites, propellant, maximum expected operating pressure (MEOP) of the propellants and volume of propellant are:

VACCO Root Part #*	Description*	MEOP	Propellant	Propellant Volume
X17025000 ICD	ArgoMoon	5.17 bar (75 psi)	R 134a	204 cc
X19032000	LICIA Cube	97.5 psia	HFC-236fa	1,097 cc
X18071000	SDL Solo	65 psia	HCF-236fa	3,832 cc
X18013000	SDL Broadhead - COLD	97.5 psia	HFC-236fa	178 cc
X18005000	Shoebox I	97.5 psia	HFC-236fa	1,888 cc
19007000	Shoebox II	97.5 psia	HFC-236fa	1,899 cc
X19019000	BCT	97.5 psia	HFC-236fa	969 cc
19037000	SNIFE & AFIT	97.5 psia	HFC-236fa	969 cc
20009003	SETH	65 psia	HFC-236fa	6,242 cc

* VACCO Root Part # and Description are internal to VACCO Industries, and unique part numbers and descriptions are assigned to each customer.

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(ii) The design burst pressure of each satellite shall be no less than twice the MEOP of the satellite.

b. MARKING:

(i) Outer package must be marked with the proper shipping name, identification number, and name and address to be marked in addition to the hazard class label for non-flammable gas and CAO label, based on classification as UN3538; Articles containing non-flammable, non-toxic gas, n.o.s. (HFC-236a) or (R 134a); 2.2.

(ii) Each package must be plainly and durably marked "DOT-SP 21192" as required by § 172.301(c).

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 modification or change is made to the package or its contents 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.

9. MODES OF TRANSPORTATION AUTHORIZED: Cargo Air, Highway

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo 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:

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- 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

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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 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 <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: Kenny Herzog