DOT-SP 21513

(FOR RENEWAL, SEE 49 CFR 107.109)

1. **GRANTEE:** (See individual authorization letter)

2. **PURPOSE AND LIMITATION:**

   a. This special permit authorizes the transportation in commerce of certain Division 2.1 gases in cylinders without each pressure relief device being in communication with the vapor space of each cylinder. 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. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.

3. **REGULATORY SYSTEM AFFECTED:** 49 CFR Parts 106, 107 and 171-180.

4. **REGULATIONS FROM WHICH EXEMPTED:** 49 CFR § 173.301(f)(2) and § 177.840(a)(1) in that the pressure relief device need not be in communication with the vapor space of a cylinder containing a Division 2.1 hazardous material.

5. **BASIS:** This special permit is based on the application of The Chemours Company FC LLC dated February 3, 2023, submitted in accordance with § 107.105 and the public proceeding thereon and additional information dated June 2, 2023.

Tracking Number: 2023064122
6. **HAZARDOUS MATERIALS (49 CFR 172.101):**

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>Hazard Class/Division</th>
<th>Identification Number</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Difluoromethane or Refrigerant Gas R 32*</td>
<td>2.1</td>
<td>UN3252</td>
<td>N/A</td>
</tr>
<tr>
<td>Liquefied gas, flammable, n.o.s.*</td>
<td>2.1</td>
<td>UN3161</td>
<td>N/A</td>
</tr>
</tbody>
</table>

* Gases authorized for transportation under this special permit must meet the criteria of the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (Seventh Revised Edition) Category 1B or equivalent American Society of Heating, Refrigerating and Air-Conditioning Engineers A2L.

7. **SAFETY CONTROL MEASURES:**

a. **PACKAGING:** Packaging must comply with the HMR.

b. **OPERATIONAL CONTROLS:**

   (1) The working pressure may not exceed 500 psi (outlet working pressure for the CGA 164 connection for flammable A2L refrigerants).

   (2) Water capacity of each cylinder may not exceed 57 kg (125 pounds).

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 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. § 173.301(f)(2) and § 177.840(a)(1) are waived in that the pressure relief device need not be in communication with the vapor space of a cylinder containing a Division 2.1 hazardous material.
9. **MODES OF TRANSPORTATION AUTHORIZED:** Motor vehicle.

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


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: NICKS