1. **GRANTEE:** Air Liquide Electronics U.S. LP
   Morrisville, PA

2. **PURPOSE AND LIMITATION:**
   
a. This special permit authorizes the transportation in commerce of DOT-3AA 2400 Y container (tonner) that has developed a leak in the valve or fusible plug assemblies that have been temporarily repaired for emergency transportation using the described Y-Cap kit. 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 § 173.3(e) in that the “Y-Cap” is not authorized, except as provided herein.

5. **BASIS:** This special permit is based on the application of Air Liquide Electronics U.S. LP dated June 30, 2023, and updated information dated November 9, 2023, submitted in accordance with § 107.105 and the public proceeding thereon.
6. **HAZARDOUS MATERIALS (49 CFR 172.101):**

<table>
<thead>
<tr>
<th>Hazardous Materials Description</th>
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<tbody>
<tr>
<td>Proper Shipping Name</td>
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<tr>
<td>-------------------------</td>
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<tr>
<td>Dichlorosilane</td>
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<tr>
<td>Boron trichloride</td>
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7. **SAFETY CONTROL MEASURES:**

a. **PACKAGING:** The prescribed packaging is a DOT 3AA 2400 x 24” O.D large cylinder (known as tonner or Y-container) containing one of the hazardous materials listed in Paragraph 6 above that has developed a leak in the valve or pressure relief device and has been temporarily repaired using the Y-Cap kit for transportation to a facility where the hazardous material can be securely managed or discharged. The Y-Cap kit overview and component drawings (Tonner Emergency Capping Assembly dated 10/31/23) are included with Air Liquide Electronics application on file with the Office of Hazardous Materials Safety (OHMS).

b. **OPERATIONAL CONTROLS:**

(1) Transportation authorized by highway only under the terms of this special permit.

(2) The repaired tank is authorized to be transported by private or contract carrier one-time, one-way, from the point of discovery to a facility suitable for discharge and examination of the material being transported.

(3) Training for personnel making the repairs must include knowledge of the Air Liquide Emergency Y-Cap Containment Kit Instruction Booklet on file with the OHMS. This training must include:

   (i) Proper use of the devices and tools in the kit;

   (ii) Use of respiratory equipment and all other safety equipment; and

   (iii) Knowledge of the properties of hazmats listed in Paragraph 6.
(4) Packagings repaired using the “Y” kit must be properly blocked and braced to ensure the packagings are secured in the transport vehicle.

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.

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.:

[Signature]

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: RS/TG