

January 31, 2020



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 20935  
(FIRST REVISION)

**EXPIRATION DATE: 2021-12-31**

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Daicel Safety Systems Americas, Inc.  
Simi Valley, CA
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of pyrotechnic articles (igniters, micro gas generators, or similar) containing not more than 141 grams of solid explosive or pyrotechnic material whose net energy content does not exceed 134 kcal and produces less than 3.67 moles of gas when packed in a special shipping container. This special permit provides no relief from the Hazardous Materials Regulations (HMR) or the International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Good by Air (ICAO Technical Instructions) 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. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
  - d. This special permit serves as a "Competent Authority Approval" as defined in 49 CFR § 107.1 and as an "approval" under Special Provision A62 and Packing Instruction 101 of the ICAO Technical Instructions.

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- e. For international shipments, see Paragraph 8.c.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180 and the ICAO TI.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.320 in that the EX number need not be marked on the package, §§ 173.54(a), 173.56(b), 173.57 and 173.58 in that a new explosive need not be examined and tested in accordance with the requirements of these sections, and § 173.60 in that alternative packaging is authorized.
5. BASIS: This special permit is based on the application of Daicel Safety Systems Americas, Inc. dated August 26, 2019 submitted in accordance with § 107.105 and the public proceeding thereon and additional information dated January 24, 2020.
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>
Articles, pyrotechnic for technical purposes	1.4S	UN0432	N/A

7. SAFETY CONTROL MEASURES:
- a. Inner packaging must be a 4-inch X 14-inch Schedule 80 seamless steel pipe nipple closed at both ends with 4-inch diameter forged steel end caps, 3,000 psi per ASTM 105, equipped with welded pull handles on one end cap (MCM-CARR P/N: 1856A61) and/or pipe nipple (MCM-CARR P/N: 7088A3) per SDI D/N: 800005, Rev B.
- b. The inner packagings must be placed in:
- (1) A cushioned UN 4G fiberboard box, 4C wooden box, 4D plywood box;
  - (2) A 4A steel box, 4B aluminum box, 4N metal (other than steel or aluminum) box;

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(3) A 1A2 removable head steel drum, 1B2 removable head aluminum drum, or 1N2 removable head metal (other than steel or aluminum) drum; or

(4) A container that meets the requirements of the Institute of Makers of Explosives' Safety Library Publication No. 22.

c. The movement of explosive articles is limited to samples for evaluation, testing, or waste disposal.

d. A container in which an explosive event has occurred may not be reused under the terms of this special permit.

e. Articles are limited to igniters and micro gas generators manufactured by Daicel Safety Systems Americas, Inc. that function by deflagration rather than detonation.

f. The maximum net explosive weight within the inner packaging (pipe) shall not exceed 141 grams with no individual article to exceed 540 mg for initiators or 1851 mg for micro gas generators and;

g. The maximum energy content within the inner packaging (pipe) shall not exceed 134 kcal; and

h. The maximum gas generation within the inner packaging (pipe) shall not exceed 3.67 moles; and

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.

c. This special permit in no way affects the need to obtain any required authorizations from other agencies of the United States Government or from the competent authorities of countries of origin, transit, and destination.

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9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, passenger-carrying aircraft and cargo only aircraft.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each, 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:
  - 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.

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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

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: Andrew Eckenrode