

August 23, 2007



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 14519

**EXPIRATION DATE: October 31, 2007**

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Commodore Advanced Sciences, Inc.  
Richland, WA
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the one-time, one-way transportation in commerce of a non-DOT specification steel vessel containing solid sodium from Mobile, Alabama to Oakridge, Tennessee. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
  - 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 § 173.244 in that alternative packaging is authorized.
5. BASIS: This special permit is based on the application of Commodore Advanced Sciences, Inc. dated May 15, 2007 submitted in accordance with § 107.105 and the public proceeding 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>
Sodium	4.3	UN1428	I

7. a. PACKAGING - Packaging prescribed is a non-DOT specification steel vessel. The vessel is 4 feet long and is fabricated from a 36 inches diameter Schedule 40 pipe (0.375 inch wall thickness) and has elliptical heads. The vessel was originally pressure tested at 250 psig.

b. OPERATIONAL CONTROLS -

(1) Prior to transportation, the sodium must be fused solid and be padded with nitrogen or an inert gas. The pad pressure must be 5 psig or less. The steel vessel may not contain more than 250 pounds of sodium.

(2) All openings of the steel vessel must be closed with blank flanges.

(3) This special permit only authorizes the one-time, one-way transportation of the package described above from Mobile, Alabama to Oakridge, Tennessee, by direct routing with no intermediate stops for loading or unloading.

(4) Transportation must be in an enclosed motor vehicle under the exclusive use of Commodore Advanced Sciences, Inc. Drums of solid sodium are authorized as the only additional loadings on the vehicle with the steel vessel of sodium. All loadings must be loaded and unloaded at the same points of origin and destination.

(5) The package must be securely blocked and braced during transportation in conformance with the requirements of §§ 393.100 - 393.106.

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(6) Emergency response information provided with the shipment and available via an emergency response telephone number must indicate that the steel vessel is not fitted with pressure relief devices and provide appropriate guidance in case of a fire.

8. SPECIAL PROVISIONS:

a. A current copy of this special permit must be maintained at each facility where the package is offered for transportation.

b. The non-DOT specification steel vessel must be plainly and durably marked "DOT-E 14519" as specified in § 172.302(b) and (c).

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 Theodore L. Willke  
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.

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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: LaValle