

August 27, 2014



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 15854  
(FIRST REVISION)

**EXPIRATION DATE: July 31, 2016**

1. GRANTEE: Colmac Coil Manufacturing, Inc.  
Colville, WA
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of methanol in alternative packaging by motor vehicle and cargo vessel. 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 development of this special permit only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use, use as a component of a transport vehicle or other device, or other uses not associated with 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 § 173.222 and the IMDG Code, Special Provision 301 in that alternative packaging is authorized, as provided herein.
5. BASIS: This special permit is based on the application of Colmac Coil Manufacturing, Inc. dated August 1, 2013, submitted in accordance with § 107.105 and the public proceeding thereon.

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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>
Methanol	3	UN1230	II

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a heat pipe coil contained inside a heat transfer unit transported inside a non-DOT specification wooden box. The packaging must meet the following requirements:

- (1) The heat pipe coil is designed with copper tubes containing methanol installed within a fin pack, comprised of aluminum fins, surrounded by heavy gauge sheet metal housing in accordance with the drawings on file with the Approvals and Permits Division.
- (2) All copper tube must be manufactured per ASTM B75. The burst pressure of each tube must be at a minimum 1,000 psig.
- (3) After filling the tube with no more than 0.5 lbs. (approximately 0.29 L) of methanol, the fill tube is permanently sealed by means of high temperature brazing (5% silver solder). The tubes must not be completely full of methanol.
- (4) Each heat transfer unit contains no more than 400 individual copper tubes. The total quantity of methanol contained within each unit is no greater than 200 lbs (approximately 107 L).
- (5) The wooden crates must be designed to withstand "LTL shipping" or "common carrier shipping". Colmac Coil must construct the crates to prevent damage to the unit(s) during transportation.

b. OPERATIONAL CONTROLS -

(1) The completed heat transfer unit must be wrapped in a waterproof lining and packed into a wooden crate constructed of dimensional lumber and plywood.

(2) The wooden crate must be securely braced and blocked during transportation to prevent movement of the packaging.

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 modifications or changes are 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 and Cargo Vessel.

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

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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 Dr. Magdy El-Sibaie  
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)

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PO: BMoore/TG