U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

JUL 12 2002

DOT-E 12504
(SECOND REVISION)

EXPIRATION DATE: June 30, 2004

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Carrier Corporation
Syracuse, NY

2. PURPOSE AND LIMITATIONS:

a. This exemption authorizes the manufacture, marking and sale of the temperature controlled equipment (Solara) as described in Paragraph 7 below for use in motor vehicles engaged in the transportation in commerce of Class 3 liquids or Division 2.1 gases described in paragraph 7 below, subject to the limitations and special requirements specified herein. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.

b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

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

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.203(a) in that the marking of exemption number on shipping papers is waived, and § 177.834 (l)(2)(i), in that the maximum surface temperature of the heater may exceed 54°C, except as specified herein.

5. BASIS: This exemption is based on the application of Radian International submitted on behalf of the Carrier Corporation dated June 27, 2002 submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous materials description -- proper shipping name	Hazard Class/ Division	Identi-fication Number	Packing Group
Flammable liquids authorized by the HMR.	3	Various	I, II or III
Flammable gases authorized by HMR.	2.1	Various	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Materials in the classes identified above, properly packaged in accordance with the HMR, may be shipped by highway vehicles equipped with the diesel-operated heating equipment as described in the technical specifications, Attachment A, dated July 10, 2000 on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA).

b. OPERATIONAL CONTROLS - Any electrical equipment in the lading space must be of non-sparking or explosion proof type. There must be no combustion equipment in the lading space, and no arrangement for return of air from the lading space to any combustion equipment. The heating system (including a required thermostatically controlled blower and radiator) must be such that no part of the lading will be heated to over 130°F. and must conform to § 393.77. The heater unit and its fuel supply must be externally mounted on truck or trailer, must retain combustion in a sealed combustion chamber, must utilize outside air for combustion (air from the cargo space cannot be used for combustion) and gases from combustion must be exhausted to the outside of truck or trailer.

c. MARKING -

(1) Each Solara System must be plainly and durably marked "DOT-E 12504".

(2) Each Solara System manufactured under the authority of this exemption must be marked with the Carrier Transicold 10-digit serial number which includes the product code, plant code and date code of manufacture in addition to the sequential unit number. This information will be on a metal tag attached to the unit with a decal marked with DOT-E 12504 and Carrier Transicold, Athens, GA.

8. SPECIAL PROVISIONS:

a. In accordance with the provisions of Paragraph (b) of § 173.22a, persons may use the temperature controlled equipment authorized by this exemption for the transportation of the hazardous materials specified in paragraph 6, only in conformance with the terms of this exemption.

b. A person who is not a holder of this exemption, but receives a motor vehicle equipped with the Solara system covered by this exemption, may reoffer it for transportation provided no modifications or changes are made to the system and it is offered for transportation in conformance with this exemption and the HMR.

c. A current copy of this exemption must be maintained at each manufacturing facility at which the temperature control equipment is manufactured and must be made available to a DOT representative upon request.

d. The marking requirement of § 172.203(a) is waived.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law 49 U.S.C. 5101 et seq:

- All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, Parts 171-180.

- Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must also inform the AAHMS, in writing, as soon as practicable of any incidents involving shipments made under this exemption.

Issued in Washington, D.C.

Robert A. McGuire
for Associate Administrator
for Hazardous Materials Safety

JUL 12 2002
(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590. Attention: DHM-31.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/exemptions Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: sln