



OHM Newsletter

Office of Hazardous Materials

DEPARTMENT OF TRANSPORTATION / OFFICE OF THE SECRETARY / WASHINGTON, D.C. 20590

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NOTICES AND AMENDMENTS PUBLISHED DURING JULY

- HM-118; Notice No. 74-9 (39 F.R. 25235 - 7/9/74).
This Notice of Proposed Rule Making proposes to amend Part 172 of the Hazardous Materials Regulations to specify that expandable polystyrene containing either a flammable liquid or flammable gas is classed as a flammable solid in section 173.150. Comment period closes September 24, 1974.
- HM-119; Notice No. 74-10 (39 F.R. 27693 - 7/31/74).
This Notice of Proposed Rule Making proposes to provide a specification for nonreusable, molded, open-head polyethylene drums, to authorize use of this packaging with certain dry and paste materials, and to provide for the use of a larger capacity plastic drum in section 173.245b. Comment period closes November 5, 1974.
- HM-100; Amendment Nos. 173-82, 179-14 (39 F.R. 24909 - 7/8/74). These amendments authorize the shipment of ethylene oxide in insulated portable tanks and upgrade the requirements of filling and the specifications of tank cars authorized for ethylene oxide. Also, AAR Specification ARA-IV-A and ARA-IV, and DOT Specification 104 and 104W tank cars are no longer authorized for transportation of ethylene oxide. The effective date is January 31, 1975, with immediate compliance authorized.
- HM-109; Amendment Nos. 173-83, 179-15 (39 F.R. 27572 - 7/30/74). These amendments establish a requirement for a protective shield for certain uninsulated tank car heads. The effective date is August 30, 1974, with immediate compliance authorized.

Notice of Special Permits issued or denied during July 1974
(39 F.R. - 8/9/74).

HAZARDOUS MATERIALS REGULATIONS
BOARD - NOTICE OF CHANGE OF MEMBER

The following special notice appeared in the Federal Register on August 5, 1974:

On June 8, 1971, the Acting Administrator, Federal Aviation Administration, designated Mr. James F. Rudolph, Director, Flight Standards Service, to serve as a member of the Hazardous Materials Regulations Board on his behalf. On July 1, 1974, the Administrator assigned Mr. Richard P. Skully, Acting Director, Flight Standards Service, to take Mr. Rudolph's place as Board member for the Federal Aviation Administration, effective on that date.

Issued in Washington, D. C. on July 30, 1974.

/s/ Alan I. Roberts
Secretary
Hazardous Materials
Regulations Board

FOURTH ANNUAL REPORT OF THE SECRETARY OF
TRANSPORTATION ON HAZARDOUS MATERIALS CONTROL

The Department of Transportation announced on July 30, 1974 the availability of the Fourth Annual Report of the Secretary of Transportation on Hazardous Materials Control.

This report was prepared by the Office of Hazardous Materials and discusses major research and technology efforts in progress or completed during the calendar year 1973.

Copies of the report may be obtained by writing to:

Office of Public Affairs (S-80)
Department of Transportation
400 Seventh Street, S. W.
Washington, D. C. 20590

EXPORT SHIPMENTS OF TOXIC MATERIALS

The seventh session of the United Nations Committee of Experts on the Transport of Dangerous Goods adopted definitions and criteria for three groups of toxic materials. Group III toxic materials (not highly or extremely toxic) do not fall within the definition for Poisons Class B in the United States and are not subject to the Department's regulations under that classification. However, to assist shippers who export UN Class 6, Division 6.1 Poisonous (Toxic) substances, the following label (except for color, which should be white with black inscription and pictograph) is specified for Group III materials and is required by several foreign countries. This label is of the same dimensions as the prescribed DOT hazardous materials labels:



Export Shipments of Toxic Materials Cont.

The criteria for the three routes of exposure for Group III toxic substances are as follows:

Oral toxicity LD ₅₀ (mg/kg)	Solids	>50 - 500
	Liquids	>50 - 2,000
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Dermal toxicity LD ₅₀ (mg/kg)		>200 - 1,000
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Inhalation Toxicity LC ₅₀	Vapors ^{1/} (ml/m ³)	>200 - 1,000
	Dusts and Mists (mg/l)	>2 - 10

^{1/} ml/m³ is equivalent to ppm (parts per million).

For further information, interested persons should read pages 135 and 136 of Supplement 1973, Part I, Transport of Dangerous Goods (1970), United Nations Publication Sales No. E. 73. VIII.2.

FREEDOM OF INFORMATION (Second in a Series of Articles)

There are at the present more than 200 petitions for rule making on file with the Hazardous Materials Regulations Board. The original of each petition is on file with the Secretary of the Board and is available for inspection by the public in room 6215 Trans Point Building, Second and V Streets, S. W., Washington, D. C. Copies will be provided upon request at 25 cents per page.

VIOLATIONS OF HAZARDOUS MATERIALS REGULATIONS

The following violations are examples of DOT enforcement actions concerning the transportation of hazardous materials:

<u>Company</u>	<u>Violation</u>	<u>Fine</u>
Piedmont Aviation, Inc. (air carrier)	Accepting shipment of hazardous materials improperly packaged and certified by the shipper.	\$ 250.00
United Airlines (air carrier)	Accepting shipment of hazardous materials improperly marked and packaged.	\$1,000.00
Frontier Rock and Sand Co. (shipper by air)	No shipper certification of shipment of corrosive liquid.	\$ 300.00
J. H. Hampshire (shipper by air)	Improper labeling of hazardous cargo.	\$ 500.00
Revlon, Inc. (shipper by air)	Improper marking, labeling, and certification of shipment of flammable liquid.	\$ 400.00
Billings Transfer Corp. (motor carrier)	Failure to placard a motor vehicle transporting flammable liquids.	\$ 250.00
Dearborns Motor Express, Inc. (motor carrier)	Transporting hazardous materials not properly described or classified on shipping paper.	\$ 500.00
Red Ball Express (motor carrier)	Accepting hazardous materials not properly classified.	\$ 300.00
Transcon Lines (motor carrier)	Failing to placard a shipment of radioactive isotopes.	\$1,000.00
Hampden Color & Chemical (motor carrier/shipper)	Transporting hazardous materials not properly described or classified.	\$1,400.00

Violations of Hazardous Materials Regulations Cont.

<u>Company</u>	<u>Violation</u>	<u>Fine</u>
Hester Battery Manufacturing Company (motor carrier/shipper)	Failing to show shipping name and classification of hazardous material on shipping paper. Also failing to make prescribed certification on the shipping paper of hazardous materials offered for transportation.	\$ 200.00
Merriam-Graves Corp. (motor carrier/shipper)	Failing to require driver to have in his possession shipping papers properly describing hazardous materials.	\$1,200.00

FOURTH INTERNATIONAL SYMPOSIUM ON PACKAGING AND TRANSPORTATION OF RADIOACTIVE MATERIALS

On September 22 - 27, 1974, the U. S. Atomic Energy Commission will hold its Fourth International Symposium on Packaging and Transportation of Radioactive Materials. This is the symposium that was announced in the August Newsletter of last year.

The Symposium will be at the Fountainbleau Hotel in Miami Beach, Florida. Approximately 100 papers covering all phases of packaging and transportation, including regulations, packaging designs and testing, nuclear criticality safety, quality assurance, and experience will be included.

The registration fee is \$75.00 and will include admission to all session, activities, and a copy of the Symposium proceedings. Registration packages may be obtained from either of the following:

L. B. Shappert
Symposium Chairman
Oak Ridge National Laboratory
Post Office Box X
Oak Ridge, Tennessee 37830
TELEPHONE: (615) 483-8611
Ext. 36951

W. A. Pryor
Program Chairman
U. S. Atomic Energy Commission
Post Office Box E
Oak Ridge, Tennessee 37830
TELEPHONE: (615) 483-8611
Ext. 34113

LABEL AND PLACARD COLOR STANDARDS

The color standards for labels and placards as proposed in Docket No. HM-103; Notice 73-10 (39 F.R. 3164) are available from this Office. They come in two sets:

Set 1 - For printing inks only..... \$12.50 per set
Set 2 - For paints, enamels, lacquers, plastics and other opaque substances..... \$ 6.50 per set

Both sets may be purchased for \$18.00. Please address your order to:

Office of Hazardous Materials (TES-231)
Department of Transportation
Washington, D. C. 20590

Your check made payable to the Department of Transportation must be enclosed.

Reference to the availability of these standards was originally made in Docket HM-8 (38 F.R. 5313). At that time it was anticipated that they would be available through the National Technical Information Service. However, they are available only through this Office.

NUMBER OF HAZARDOUS MATERIALS INCIDENT REPORTS INCREASING

During July 1974, the number of hazardous materials incident reports received by this Office was 25 per cent higher than the highest prior monthly total and was double the number of incident reports received in January 1974. A large portion of this increase was reports submitted by carriers who were reporting for the first time.

However, most of these reports were incomplete. They failed to include needed information (particularly container information, e.g., DOT container specification, name or symbol of container manufacturer, date of manufacturer, gauge of metal, etc.). Our contacts with reporting carriers concerning incomplete reports often result in no additional information being obtained because the container had been destroyed or the needed information was no longer available from the carrier's records. In some instances, we have furnished a copy of the incomplete incident report to the shipper involved with the request that the information be supplied.

CONFERENCE ON TRANSPORTATION
OF HAZARDOUS MATERIALS IN AIR COMMERCE

On October 2 and 3, 1974, the conference previously announced on the Transportation of Hazardous Materials in Air Commerce will be held in the Departmental Auditorium on Constitution Avenue between 12th and 14th Streets, N. W., Washington, D. C. The agenda of the Conference is as follows:

WEDNESDAY, OCTOBER 2, 1974

7:30 to Registration -- Main Lobby
9:00 a.m. of the Auditorium

9:00 a.m. Welcome..... General Benjamin O. Davis, Jr.
 Assistant Secretary for Environ-
 ment, Safety and Consumer Affairs

9:10 a.m. Opening Remarks... John W. Barnum
 Under Secretary
 Department of Transportation

 Alexander P. Butterfield
 Administrator
 Federal Aviation Administration

9:45 a.m. "Overview of the Hazardous Materials Problems"

 W. J. Burns, Director
 Office of Hazardous Materials

10:00 a.m. Coffee break

10:15 a.m. "The Hazardous Materials Regulations"

Alan I. Roberts, Chief Curtis A. McKay
Regulations Division Deputy Division Chief
Office of Hazardous Materials Flight Operations Division

11:15 a.m. "Education and Compliance"

Charles S. Loucks, Chief Thomas C. Halloran
Operations Division Associate Regional Counsel
Office of Hazardous Materials Federal Aviation Administration

October 2, 1974 Cont.

12 Noon Lunch

1:30 p.m. "International William K. Byrd
 Problems" Deputy Director
 Office of Hazardous Materials

2:00 p.m. "Transportation of Radioactive Materials"

Alfred W. Grella, Chief Ellis C. Langford, Chief
Technology Division Hazardous Materials Staff
Office of Hazardous Materials Flight Standards Service, FAA

3:00 p.m. Coffee break

3:15 p.m. Panel -- "Discussion with the Experts!"

 Moderator..... Glenn J. Sedam
 Deputy Assistant Secretary for
 Environment, Safety and Con-
 sumer Affairs

 Members

 W. J. Burns C. S. Loucks, Chief
 Director Operations Division
 Office of Hazardous Materials Office of Hazardous Materials

 James F. Rudolph Alfred W. Grella, Chief
 Associate Administrator for Technology Division
 Safety Office of Hazardous Materials
 Federal Aviation Administration

 W. K. Byrd Ellis C. Langford, Chief
 Deputy Director Hazardous Materials Staff
 Office of Hazardous Materials Flight Standards Service, FAA

 Alan I Roberts, Chief Stephen L. Grossman
 Regulations Division Assistant General Counsel for
 Office of Hazardous Materials Regulation
 Office of the General Counsel

Conference Cont.

THURSDAY, OCTOBER 3, 1974

9:00 a.m. Presiding..... General Benjamin O. Davis, Jr.

9:15 a.m. WORKSHOPS

ROOM A "The Transportation of Radioactive Materials by Air"

Discussion Leader.... Alfred W. Grella

ROOM B "Packaging, Labeling, Marking, Classification,
Shipping Papers, Stowage, Inspection and Compliance"

Discussion Leaders... C. S. Loucks
Ellis C. Langford

10:30 a.m. Coffee break

10:45 a.m. Open Discussion

1:00 p.m. Adjourn



W. J. Burns
Director
Office of Hazardous Materials

The Secretary of Transportation has determined that publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through November 30, 1976.