



OHM Newsletter

Office of Hazardous Materials Operations

DEPARTMENT OF TRANSPORTATION / MATERIALS TRANSPORTATION BUREAU / WASHINGTON, D.C. 20590

VOL. V Number 46

September 1975

HM-127; Notice 75-7 (40 FR 32758 - 8/4/75). This Notice of Proposed Rule Making proposes to establish a new Part 107 to the regulations as well as new Exemption Procedures. Comment period closes September 12, 1975. Announcement of a Public Hearing was also included in the Notice. The Hearing was held on August 26, 1975 to discuss the above proposals.

(NOTE: Reference to this Notice was made in the July edition of the Newsletter for early reference to the Hearing.)

HM-127; Notice 75-7A (40 FR 37247 - 8/26/75). This Notice announced a Public Hearing to be held in Anchorage, Alaska on September 3, 1975 to discuss the proposed Exemption Procedures.

HM-22; Amendment 171-30 (40 FR 37214 - 8/26/75). This Amendment updates the reference to sections VIII (Division I) and IX of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code. The effective date is September 30, 1975, with immediate compliance authorized.

Notice of Special Permits issued or denied during July 1975 (40 FR - 8/27/75).

Notice of Special Permits issued or denied during August 1975 (40 FR - 9/15/75).

LITHIUM BATTERIES

There has been a recent increasing interest in electronic current producing devices known as Lithium Batteries. The most common lithium batteries contain lithium metal, lithium bromide, sulfur dioxide and acetonitrile. These batteries have several advantages over the more conventional types of batteries now in use. However, they also pose some additional hazards such as possible leakage of sulfur dioxide gas, spontaneous fire and even explosive rupture. Anyone desiring to ship this type of battery should contact this Office.

IAEA CERTIFICATES --
DOT SPECIFICATION RADIOACTIVE MATERIALS PACKAGES

This information is directed toward those shippers of radioactive materials packages of U.S. design which are covered for domestic shipments by published DOT Specifications in 49 CFR, when such packages are involved in export shipments from the USA. For shipments involving Type B or fissile radioactive materials, international regulations (IAEA) require the furnishing of IAEA Certificates of Competent Authority. The issuance of such certificates is a function of the Office of Hazardous Materials Operations pursuant to 49 CFR 173.393b. Shipment of such packages is authorized under several regulatory provisions contained in sections 173.394, 173.395, and 173.396.

The following is a summary of those certificates which have been issued to date by this Office, reciting for export purposes equivalent provisions which are provided in DOT Regulations when domestic shipments only are involved:

USA/0002/B()F ~ This certificate issued 7/29/75 specifies the requirements for the use of the DOT Specification 6M package (§ 178.104) and reflects the related regulatory revisions pursuant to Docket No. HM-111 published December 31, 1974. This certificate supersedes the original issuance, dated February 28, 1969 as USA-DOT-2-69.

USA/0003/B()F ~ This certificate issued 7/31/75 specifies the requirements for the use of the DOT Specification 6L package (§ 178.103) and reflects the related regulatory revisions pursuant to Docket No. HM-111, published December 31, 1974. This certificate supersedes the original issuance, dated February 28, 1969 as USA-DOT-3-69.

USA/4909/B()F ~ This certificate issued on 4/23/75 specifies the requirements for the use of the DOT Specifications 20 PF and 21 PF packages (§§ 178.120 and 178.121) for the shipment of enriched Uranium Hexafluoride (UF₆) in inner cylinder/outer protective overpack packagings. The certificate replaces provisions contained previously in DOT SP-4909, and reflects recent regulatory provisions contained in Docket No. HM-111, published December 31, 1974.

USA/5021/F - This certificate issued March 28, 1975, specifies certain regulatory provisions (§ 173.396(b)(7)), as published in Docket No. HM-111 on December 31, 1974. Such provisions provide for limited quantities of enriched uranium in certain DOT specification steel drums.

IAEA Certificates --
DOT Specification Radioactive Materials Packages Cont.

USA/5800/B - This certificate issued on June 14, 1975 specifies the requirements for the use of DOT Specification 20WC (the "wooden overcoat") packaging (§ 178.194) and reflects certain regulatory provisions published in Docket No. HM-111 on December 31, 1974. The certificate replaces provisions contained previously in DOT SP-5800.

Copies of the above certificates may be obtained upon request from the Office of Hazardous Materials Operations, Attention: Technology Division. Your attention is invited to the fact that a condition in each certificate requires that each user of such certificate shall register his identity in writing with this Office.

FIVE PINTS DO NOT MAKE A GALLON

During the past few months, several hundred hazardous materials incident reports concerning corrosive liquids in glass bottles within fiberboard boxes have been received. Most of these reports referred to the inner containers as one-gallon glass bottles and stated that six were contained within the outer fiberboard box. Since that packaging configuration is NOT authorized by DOT regulations, shippers were contacted. In every instance the contacted shipper insisted that our information was in error and that he did not ship six one-gallon bottles of corrosive liquids in fiberboard boxes, but that he did ship five-pint glass bottles in outer fiberboard boxes (Spec. 12A) as authorized, for example, by section 173.263(a)(16) for hydrochloric acid.

Carriers submitting incident reports should check the information they are entering on incident reports to determine that the information is accurate and complete as possible. Considerable time and effort is being expended by this Office following up on reports containing inaccurate information. We would like to minimize these efforts in order to make more beneficial use of our resources.

FIFTH ANNUAL REPORT ON HAZARDOUS MATERIALS CONTROL

Prepared by the Office of Hazardous Materials, the fifth annual report discusses major research and technology efforts in progress or completed during calendar year 1974. The report includes a statistical compilation of the accident and casualty reports submitted by carriers; a listing of waivers issued during the year; an appendix containing new regulations; compliance evaluation of hazardous materials shippers and container manufacturers; and a summary of outstanding problems concerning the transportation of hazardous materials.

Copies of the report may be purchased from:

Superintendent of Documents
Government Printing Office
Washington, D. C. 20402

Price: \$2.25 per copy
Stock No: 050-000-00-100-8

AVAILABILITY OF OHMO SPONSORED RESEARCH REPORTS

The following reports resulting from research contracts sponsored by this Office are available from:

National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia 22151

The following information must be furnished when ordering:

"Spontaneously Combustible Solids--
A Literature Survey"
By: Eleonore G. Kayser and Carl Boyars
Report No. TES-20-75-1
Contract No. DOT-AS-40049
Accession No. PB244046/AS
\$3.75 for paper copy and \$2.25 for microfiche

"Classification of Oxidizers and Flammable
Solids, Phase III" By: Charles B. Dale
Report No. TES-20-75-2
Contract No. DOT-AS-30042
Accession No. PB240878/AS
\$3.75 for paper copy and \$2.25 for microfiche

VIOLATIONS OF HAZARDOUS MATERIALS REGULATIONS

<u>Company</u>	<u>Violation</u>	<u>Fine</u>
Amerford International (Air Freight Forwarder)	Offering container of hazardous materials for air transportation without proper description.	\$ 250.00
American Colloid Co. (Shipper by motor)	Failing to describe hazardous materials on shipping papers. Failing to make prescribed certification on shipping papers.	100.00
Fredrik A. Brandt (Pilot in Command)	Accepting hazardous materials for air transportation not properly packed, marked, labeled, or certified by shipper.	50.00
Hopkins Agricultural Chemical Co. (Shipper by air)	Offering a hazardous material with improper label, improper description and no required markings on container.	250.00
OMI Corp/ SEL-REX Corp. (Shipper by air)	Offering containers of hazardous materials for air transportation without proper description.	250.00
Productol Chemical Co. (Shipper by air)	Offering shipment of poison for air transportation without proper description, container leaked liquid.	500.00
Reynolds Metals Co. (Shipper by air)	Offering hazardous materials for air transportation with improper marking and labeling.	250.00
Societe Bic (Shipper by air)	Failing to properly label hazardous materials.	Case referred to U.S. Dept. of State
TIME-DC (Motor carrier)	Failing to mark (placard) a vehicle transporting hazardous materials.	100.00
Viking International Air Freight (Air carrier)	Transporting by air shipment of hazardous materials improperly labeled and shipper certification was incomplete (did not indicate passenger or cargo aircraft). Failed to notify pilot in command of hazardous materials on board.	250.00

INTERMODAL HAZARDOUS MATERIALS SEMINARS
SAN FRANCISCO AND LOS ANGELES

Plans for the 2-day Hazardous Materials Seminars, to be held in the San Francisco and Los Angeles areas, announced in the July and August Newsletters, have been finalized and are as follows:

San Francisco, California

First Seminar : November 3 and 4, 1975

Second Seminar: November 5 and 6, 1975

Both Seminars will be held at:

Sheraton Inn San Francisco Airport
1177 Airport Boulevard
Burlingame, California 94010
TELEPHONE: (415) 343-9200

Los Angeles, California

First Seminar : November 10 and 11, 1975

Second Seminar: November 12 and 13, 1975

Both Seminars will be held at:

Americana Hotel
6161 Centinela Avenue
Culver City, California 90230
TELEPHONE: (213) 644-1776

Room rates are the same at both hotels (\$18.00 single and \$22.00 double), and both hotels offer limousine service from the airport. Make your reservations directly with the hotel.

The registration fee for each Seminar is \$20.00 per person. The fee covers handout materials, coffee, and lunch for each day of the session. Checks should be made payable to "Department of Transportation" and mailed with the attached Registration Form to:

Operations Division (MTH-30)
Office of Hazardous Materials Operations
Materials Transportation Bureau
U.S. Department of Transportation
Washington, D. C. 20590
TELEPHONE: (202) 426-2301

R E G I S T R A T I O N F O R M

I plan to attend the Hazardous Materials Transportation Seminar at:

San Francisco, California - November 3 and 4, 1975 _____
San Francisco, California - November 5 and 6, 1975 _____

Los Angeles, California - November 10 and 11, 1975 _____
Los Angeles, California - November 12 and 13, 1975 _____

I plan to attend the following workshops:

How to use the Regulations _____	Air _____
Packaging _____	Motor _____
(Inside containers) _____	
Packaging _____	Water (Packages, _____
(Outside containers) _____	freight containers, _____
	and portable tanks) _____
Tank Cars _____	Water (Bulk liquids, _____
Tank Trucks _____	tank barges, vessels, _____
	and bulk liquid _____
Radioactive Materials _____	terminals) _____

Name _____

Company _____

Address _____
(Street)

(City) (State)

(Zip code)

Telephone: (Area code) (Number)

Please submit a separate form for each registrant. This form may be reproduced.

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.

DEPARTMENT OF TRANSPORTATION
MATERIALS TRANSPORTATION BUREAU
Washington, D.C. 20590

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