



# Transporting Hazardous Materials / Pesticides



# Federal Hazmat Law



U.S. Senate Photo

*Protect against the risks to life, property, and the environment which are inherent in the transportation of hazardous materials in intrastate, interstate, and foreign commerce.*

49 U.S.C. Section 5101 et seq.



# Hazardous Materials Regulations

USDOT's HMR Govern the packaging and safe transportation of hazardous materials by air, highway, rail, and water (except bulk transportation onboard vessels).





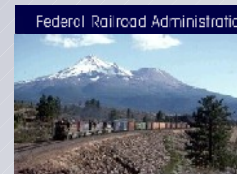
# PHMSA Responsibilities

- Formulates, issues and revises, and enforces the HMR
- Issues special permits and approvals under the Federal Hazmat Law
- Enforces regulations emphasizing:
  - Packaging Manufacturers, Retesters and Reconditioners
  - Multimodal shippers of hazmat



## Responsibilities (cont'd)

- Modal administrations (FAA, FMCSA, and FRA) enforce the HMR respective to their mode
- U.S. Coast Guard (Department of Homeland Security) enforces the HMR respective to maritime operations





## Common Problems Found During Inspections

- Failure to maintain training records
- Failure to train hazmat employees
- Packages not properly marked and labeled
- Incorrect shipping papers
- Failure to register with PHMSA
- Lack of a Security Plan



# The Hazardous Material Table

## §172.101

Symbols (1)	Hazardous Materials Descriptions and Proper Shipping Names	Hazard Class or Division (2)	Identification Numbers (4)	PG (5)	Label Codes (6)	Special Provisions (§172.102) (7)	(8) Packaging (§173.33)			(9) Quantity Limitations (9)											
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft (9A)	Cargo air- craft only (9B)										
G	Acrolein, stabilized	3 (3)	UN1092	I	3	1, D9, B41, B50, B42, B72, B77, T22, TP2, TP7, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden										
												6.1	UN1587	II	6.1	IB8, IP2, IP4	None	204	242	25kg	100kg
G	Copper cyanide	6.1	UN1587	II	6.1	IB8, IP2, IP4, T3, TP33	None	204	242	25kg	100kg										
												G	Flammable liquid, n.o.s.	3	UN1993	I	3	T11, TP1, TP27, 1B2, T7, TP1, TP8,	150	201	243
G	Flammable liquid, n.o.s.	3	UN1993	II	3	TP28, B1, B52, IB3, T4, TP1,	150	202	242	5L	60L										
												G	Phosphoric acid solution	8	UN1805	II	8	TP29 A7, IB3, N34, T4,	154	203	241
G	Phosphoric acid solution	8	UN1805	I	8	TP1	None	203	241	5L	60L										



## Column 5 \*

**PG**

- Specifies one or more packing groups assigned to a material

Packing Group I	PG I	Great Danger
Packing Group II	PG II	Medium Danger
Packing Group III	PG III	Minor Danger





## Column 6

### Label Codes

- Specifies codes which represent hazard warning labels
  - See "Label Substitution Table" in §172.101(g)
- If more than one code is present:
  - The first indicates the primary hazard
  - Additional codes indicates subsidiary hazards



# Column 7 Special Provisions

Symbols (1)	Hazardous Materials Descriptions and Proper Shipping Names (2)	Hazard Class or Division (3)	Identification Numbers (4)	PG (5)	Label Codes (6)	Special Provisions (§172.102) (7)	(8) Packaging (§173.33)			(9) Quantity Limitations (9)	
							Exceptions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft only (9A)	Cargo aircraft only (9B)
G	Acrolein, stabilized	6.1	UN1587	II	6.1	B9, B14, B30, B42, B72, B77, T22, TP2, TP7, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden
	Copper cyanide	6.1	UN1587	II	6.1		None	204	242	25kg	100kg
	Flammable liquid, n.o.s., stabilized	3	UN1993	I	3		150	201	243	1L	30L
G	Phosphoric acid, liquid	8	UN1805	III	8	A7, IB8, N34, T4, TP1	None	203	241	5L	60L
	Copper cyanide	6.1	UN1587	II	6.1		None	204	242	25kg	100kg
	Flammable liquid, n.o.s.	3	UN1993	I	3		150	202	242	5L	60L
G	Phosphoric acid solution	8	UN1805	II	8	A7, IB8, N34, T4, TP1	None	203	241	5L	60L
	Copper cyanide	6.1	UN1587	II	6.1		None	204	242	25kg	100kg
	Flammable liquid, n.o.s.	3	UN1993	I	3		150	203	242	60L	220L

## §172.101 Hazardous Materials Table Excerpts



## Column 7

### Special Provisions

- Specifies codes for special provisions – see § 172.102 for the meaning of the provisions
- Code descriptions
  - Numbers Only = All Applications
  - A = Air Transport Only
  - B = Bulk Transport Only
  - H = Highway Transport Only
  - N = Non-Bulk Transport Only
  - R = Rail Transport Only
  - T = IM Tanks Only
  - W = Water Transport Only



## Column 7 Special Provisions

- **Identifies additional provisions for the specific hazardous material**
  - **“1” means poisonous by inhalation, Hazard Zone A**
- **May impose limitations or additional requirements on packaging**
  - **A7 requires steel packaging to be corrosion resistant when shipped by air**
  - **N34 requires aluminum constructed materials not in contact with the hazardous material**



## Column 8

Packaging (173.***)		
Exceptions (8A)	Non-Bulk (8B)	Bulk (8C)

- Identifies the applicable packaging reference
  - Column 8A - Packaging Exceptions (limited quantities)
  - Column 8B - Non-Bulk Packaging requirements
  - Column 8C - Bulk Packaging requirements
  - \*\*\*Note\*\*\* If "None" listed, you can not use that method



# Column 9

Quantity Limitations	
Passenger aircraft/rail (§A)	Cargo aircraft only (§B)

- Columns specify the maximum quantities (kgs) per package
- “Forbidden”
- Quantity limitation is “net” unless otherwise specified
- If “Forbidden” on passenger-carrying aircraft, but permitted on cargo aircraft, it must be labeled with the CARGO AIRCRAFT ONLY label (§172.448)





# HAZARDOUS SUBSTANCE

- Listed in Appendix A
- Defined:
  - Placed in transportation
  - Meets or exceeds RQ listed per/pkg
    - (package plus contents, gross)
    - *In pounds and KGs*
  - Once it becomes a HAZARDOUS SUBSTANCE now considered HAZMAT
  - Name of Substance with RQ listed with PSN



# MARINE POLLUTANT

- Listed in Appendix B
  - Marine Pollutants
    - 10% by volume
  - Severe Marine Pollutants (PP)
    - 1% by volume
    - If no other HAZMAT traits (Class 1-8)
    - *UN 3077 Environmentally hazardous substance, liquid/solid n.o.s, 9*





## §173.203

# Non-Bulk Packagings for Liquid Hazardous Materials in Packing Group III

- **Combination Packagings**
- **Single Packagings**



**1A2 STEEL DRUM**

removable head  
used as combination  
packaging



**FIBERBOARD BOX**

used as combination packaging  
showing inner packagings



**1A1 STEEL DRUM**

non-removable head  
used as single packaging



# Markings that Communicate the Hazard

- **49 CFR Part 172 Subpart D Applicability**
  - Each person offering a hazardous material for transportation
  - Each carrier when assigned the function by Subpart D
- **General Markings that Identify the Hazardous Material Shipment**
  - Proper shipping name
  - UN identification number
  - Consignee or Consignor



# General Hazard Communication Markings



Proper Shipping Name  
Identification Number  
Orientation Arrows

Consignor/Consignee



# Additional Hazard Communication Markings

- **Technical Names – §172.301(b)**
- **Inhalation Hazard – §172.313(a)**
- **Marine Pollutant – §172.322**
- **RQ (Hazardous Substance) – §173.324**



# Inhalation Hazard



**Optional with label**



# Hazardous Substance and Marine Pollutants





# Hazard Labels

- **49 CFR Part 172 Subpart E Applicability**
  - Each person offering a hazardous material for transportation
  - Exceptions - §172.400a
- **Hazard Labels**
  - Primary Hazard Class
  - Subsidiary Risk
- **Other Labels**
  - Cargo Aircraft Only





# Selecting Hazard Labels

Symbols (1)	Hazardous Materials Descriptions and Proper Shipping Names	Hazard Class or Division	Identification Numbers	PG (5)	Label Codes	Special Provisions (§172.102) Special	(8) Packaging (§173.***)			(9) Quantity Limitations	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft only (9A)	Cargo air- craft only (9B)
Symbol	Acrolein, stabilized	6.1	UN1092	I	6.1	1D50, B14, B30, B42, B72, B77, T22, TP2, TP7, TP3, TP38, TP44	None	226	244	Forbidden	Forbidden
⚡	Copper cyanide	6.1	UN1587	II	6.1	IB8, IP2, IP4, TP33	None	204	242	25kg	100kg
⚡	Flammable liquid, n.o.s.	3	UN1993	I	3	T11, TP1, TP27, TP27, TP27, TP1, TP8, TP8, B1, B52, IB3, T4, D50, TP42,	150	201	243	(9A) 1L	30L
⚡	Phosphoric acid, liquid	8	UN1805	III	8	B7, IB8, TP3, N34, T4, TP1, TP2, TP2, TP7, TP13, TP38, TP44	154	203	241	5L	60L
G	Copper cyanide	6.1	UN1587	II	6.1	IB8, IP2, IP4, T3, TP33	None	204	242	25kg	100kg
⚡	Flammable liquid, n.o.s.	3	UN1993	I	3	T11, TP1, TP27, TP27, TP1, TP8, TP8, B1, B52, IB3, T4, TP1, TP1, TP1,	150	201	243	1L	30L
⚡	Phosphoric acid solution	8	UN1805	II	8	TP29, A7, IB3, N34, T4, TP1	154	203	241	5L	60L

§172.101 Hazardous Materials Table Excerpts





# Labeling for Subsidiary Risks \*



**Acrolein Stabilized**

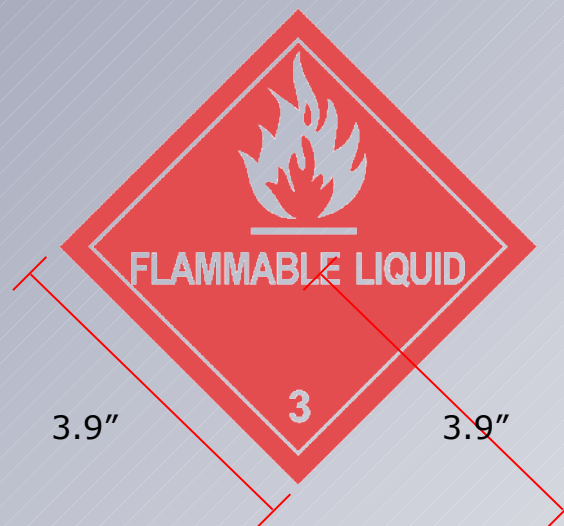


**Note: ALL primary AND subsidiary labels MUST have the hazard class or division number displayed on a square on point design label**



# Label Specifications

- **Hazard labels**
  - **Design**
  - **Size**
  - **Color**



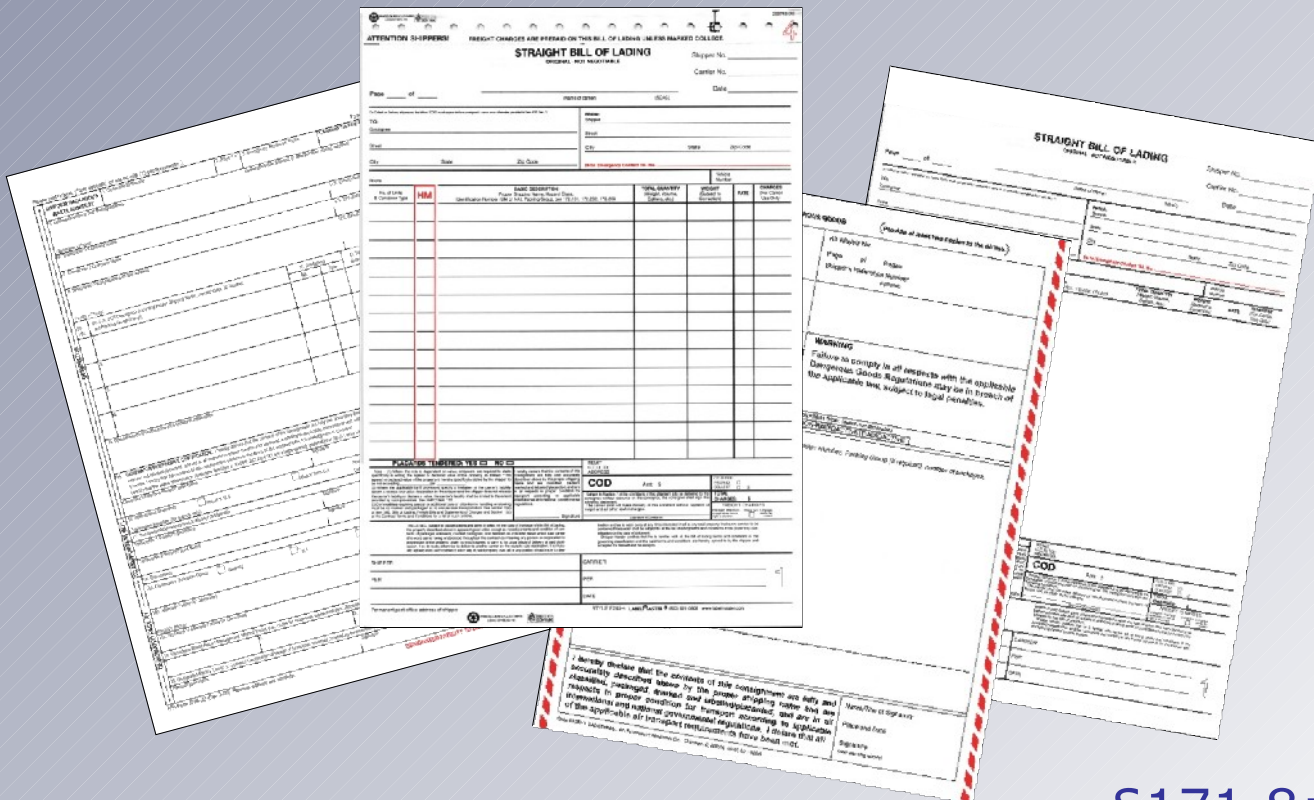
- **Cargo Aircraft Only**
  - **Rectangle**
  - **Danger**





# Subpart C – Shipping Papers

A shipping order, bill of lading, manifest, or other shipping document serving a similar purpose and containing the information required by HMR Part 172, Subpart C





# Required Information

(1) Symbol	(2) Hazardous Materials Descriptions and Proper Shipping Names	(3) Hazard Class or Division	(4) Identification Numbers	(5) PG	(6) Label Codes	(7) Special Provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity Limitations	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/aircraft only (9A)	Cargo aircraft only (9B)
	Acrolein, stabilized	6.1	UN1092	I	6.1, 3	1, B9, B14, B30, B42, B72, B77, T22, TP2, TP7, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)		
							150 150 180	201 202 203	243 242 242		
G	Copper cyanide	6.1	UN1587	II	6.1	IB8, IP2, IP4, T3, TP33	None	204	242	25kg	100kg
							150	201	243		
							150	202	242		
							150	203	242		
	Flammable liquid, n.o.s.	3	UN1993	I	3	T11, TP1, TP27, 1B2, T7, TP1, TP8, TP28, B1, B52, IB3, T4, TP1, TP29	154	203	241	5L	60L
							150	201	243		
							150	202	242		
	Phosphoric acid solution	8	UN1805	II	8	A7, IB3, N34, T4, TP1	154	203	241	5L	60L

**§172.101 Hazardous Materials Table Excerpts**



# Hazardous Materials Basic Description

Identification Number

Proper Shipping Name

Hazard Class

Packing Group

No. of Units & Container Type	HM	<b>BASIC DESCRIPTION</b> Identification Number (UN or NA), Proper Shipping Name, Hazard Class, Packing Group, per 172.101, 172.202, 172.203	<b>TOTAL QUANTITY</b> (Weight, Volume, Gallons, etc.)
<b>4 Drums</b>		<b>UN1587, Copper Cyanide, 6.1, PGII</b>	<b>4 gal</b>

**I S H P**



# Hazardous Materials Basic Description

Proper Shipping Name    Hazard Class    Identification Number    Packing Group

No. of Units & Container Type	HM	<b>BASIC DESCRIPTION</b> <small>Identification Number (UN or NA), Proper Shipping Name, Hazard Class, Packing Group, per 172.101, 172.202, 172.203</small>	<b>TOTAL QUANTITY</b> <small>(Weight, Volume, Gallons, etc.)</small>
<b>4 Drums</b>		<b>Copper Cyanide, 6.1, UN1587 PGII</b>	<b>4 gal</b>

**S H I P**



# Preparation of Shipping Papers\*

- Display of Hazardous Materials Description on Shipping Papers
  - Listed first or Contrasting color
  - Identified with “X” in HM Column
  - **Legible**
  - English
  - Authorized abbreviations
  - Additional information
  - Continuation pages
  - Emergency response telephone number



# Shipping Papers

Carrier No. \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_ (Name of carrier) (SCAC) Date \_\_\_\_\_

On District of Columbia shipments, the letters "DCD" near applicable consignee's name or an abbreviation provided by Item 405, Sec. 1.

<p><b>TO:</b> Consignee</p> <p>Street _____</p> <p>City _____ State _____ Zip Code _____</p>	<p><b>FROM:</b> Shipper</p> <p>Street _____</p> <p>City _____ State _____ Zip Code _____</p> <p>24 hr. Emergency Contact Tel. No. _____</p>
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Route	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	VEHICLE NUMBER	RATE	CHARGES (For Carrier Use Only)

**4 Drums UN1578, Copper Cyanide, 6.1, PGII 4 gal**

<p><b>PLACARDS TENDERED: YES <input type="checkbox"/> NO <input type="checkbox"/></b></p> <p><small>Rule 110 Where the ship is transported on water, shipment may be required to state specifically or having the special or declared value of the property, as follows: This shipment is of declared value of the property in hereby specifically stated by the shipper to be not exceeding \$50,000.</small></p> <p><small>111 Where the applicable tariff provisions specify a limitation of the carrier's liability, state in a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent specified in the tariff provision. See Part 111, Sec. 172.</small></p> <p><small>112 Carrier releases, returns, special or additional care or attention in handling or moving from the shipper and is charged or to provide fully transportation. See Section 112 or Item 305, Bill of Lading, Freight Bill, and Statements of Charges and Section 113 of the Contract Terms and Conditions for all of such articles.</small></p>	<p>Shipper declares that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labeled in accordance with all applicable international and national governmental regulations.</p> <p>Signature _____</p>
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<p>PREMIT C.O.D. NO. ADDRESS</p> <p><b>COD</b> Amt: \$ _____</p> <p><small>Subject to Section 7 of the conditions, if the shipment is to be delivered to the consignee without payment on the date of shipment, the consignor shall sign the bill of lading and make delivery of this shipment without payment of freight and all other lawful charges.</small></p> <p style="text-align: right;"><small>(In case of Consignee)</small></p>	<p><small>OLD FEE: FREIGHT <input type="checkbox"/> COLLECT <input type="checkbox"/></small></p> <p><b>TOTAL CHARGES: \$ _____</b></p> <p><small>FREIGHT CHARGES: <input type="checkbox"/> CHECKED <input type="checkbox"/> FREIGHT ADVISED <input type="checkbox"/> CHECKED <input type="checkbox"/></small></p>
---	---

<p>RECEIVED, subject to conditions and tariffs in effect on the date of the issue of this Bill of Lading the property described above in apparent good order except as noted, contains no condition or contents of packages unknown, marked consigned, and described as indicated above, which total carrier's interest therein being understood through this Bill of Lading as including any property or possession in possession of the property, unless consigned, agrees to carry to its usual place of delivery or load level delivery, as to its condition to be made to another carrier, on the route to be designated, it is mutually agreed as to each carrier of all or any of said property and all or any portion of said route to be performed as to each party of any firm interested in all or any case property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification or the date of shipment.</p>	<p>Shipped and as to each party of any firm interested in all or any case property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and consignor or receiver and his agents.</p>
--	--

SHIPPER	CARRIER
PER _____	PER _____
DATE _____	DATE _____

1

1

Permanent post-office address of shipper \_\_\_\_\_

STYLE F205-4 LABELMASTER © (900) 521-5805 www.labelmaster.com





# Additional Descriptions

- Special Permits (Exemptions)
  - DOT-SP
  - DOT-E (if special permit or exemption was issued before Oct. 1, 2007)
- Limited Quantity (Ltd Qty)
- Hazardous Substance – RQ
- Radioactive Material
- Empty Packages
- Transportation by modes
- Marine Pollutants
- Vessel Mode (non-bulk package)
- Poison or toxic inhalation hazard



# Why Placard?

- Hazard Communication
- Response Mitigation
- Regulatory Requirement





## Placarding – Part 172, Subpart F

Each person who offers or transports hazardous materials must comply with the placarding requirements.





# Placarding Requirements

Placarding requirements *do not* apply to:

- Small quantities of certain hazard classes
- Limited quantities
- Infectious substances
- Other regulated material (ORM-D)
- Combustible liquids in non-bulk packagings
- Materials prepared in accordance with §173.13



# General Placarding Requirements

Placard a container or vehicle:

- **on each side and each end**
- for any quantity of hazardous material

Some exceptions exist based on:

- the hazard and quantity present





# Table 2 Exceptions

Less than 454 kg (1,001 lbs.) aggregate gross weight may be placarded, but is not required

**TABLE 2**

Category of material (Hazard class or division number and additional description, as appropriate)	Placard name	Placard design section reference (§)
1.4	EXPLOSIVES 1.4	172.523
1.5	EXPLOSIVES 1.5	172.524
1.6	EXPLOSIVES 1.6	172.525
2.1	FLAMMABLE GAS	172.532
2.2	NON-FLAMMABLE GAS	172.528
3	FLAMMABLE	172.542
Combustible liquid	COMBUSTIBLE	172.544
4.1	FLAMMABLE SOLID	172.546
4.2	SPONTANEOUSLY COMBUSTIBLE	172.547
5.1	OXIDIZER	172.550
5.2 (Other than organic peroxide, Type B, liquid or solid, temperature controlled)	ORGANIC PEROXIDE	172.552
6.1 (other than material poisonous by inhalation)	POISON	172.554
6.2	(None)	
8	CORROSIVE	172.558
9	Class 9 (see § 172.504(f)(9))	172.500
ORM-D	(None)	



## Exceptions: Class 9

Not required to be placarded when shipped domestically

Note:

Bulk shipments must still be marked with the UN number.





# Exceptions

## Division 6.1

- Domestic shipments:
  - Text may be modified for PGIII toxic material
  - A poison placard is not required on a transport vehicle or freight container required to display a Poison Inhalation Hazard or Poison Gas placard







## Materials of Trades

- Where you are self employed or work for a large company you may carrying a Hazardous Material as part of your job.
- Certain hazardous materials transported in small quantities as part of a business are subject to less regulations, because of the limited hazard they pose. These materials are know as Materials of Trade.



## What are Materials of Trade and What Regulations Apply?

- To protect the health and safety of the motor vehicle operator passengers, such as insect repellent or a fire extinguisher
- To support the operation or maintenance of a motor vehicle (including its auxiliary equipment), such as a spare battery or gasoline
- To directly support a principal business of a private motor carrier that is other than transportation by motor vehicle – example, landscaping, pest control, painting, plumbing or welding services.



## MOT's

- 49 CFR section 173.6 include
  - General Knowledge of MOTs regulations
  - Quantity limitations
  - Packaging requirements
  - Marking and Labeling requirements



# MOTs Regulations do not require

- Shipping Papers
- Emergency response information
- Placarding
- Formal Training or retention of training records



# What Quantity Limits Apply for MOTs?

- No more than a combined gross weight of 440 lbs (200 kg) can be transported on any one vehicle. Size limits for individual packages are:
  - Packaging Group I, the maximum amount in one package is 1 lb (0.5 kg)
  - Packaging Group II or III, other than Division 4.3, or is a consumer commodity (ORM-D) each package 66lbs (30kg) for solids or 8 gals (30L) for liquids.
  - Each Cylinder containing a gas (Division 2.1 or 2.2) may not weigh more than 220 lbs (100 kg)
  - A diluted mixture of a Class 9 material (not exceeding 2%) may be transported in a tank up to 400 gals (1500 L)



# How You Reach Us

## Hazardous Materials

# INFO-LINE

1-800-HMR49-22

(1-800-467-4922)

Hours of Operation: 9 am – 5 pm ET



- Obtain answers to HMR questions
- Request copies of Federal Register, exemptions or training materials
- Report HMR violations
- Fax on Demand

E-mail: [infocntr@dot.gov](mailto:infocntr@dot.gov)



# Where to Find More Information

The screenshot shows the PHMSA Hazmat Safety Community website. The browser title is "PHMSA - Hazmat Safety Community - Microsoft Internet Explorer". The address bar shows the URL: [http://www.phmsa.dot.gov/portals/6/PHMSA/area/1/17/d80890675802d87\\_0672277897/q?x=11-CF0B1438653C010720ACML00005046A3C0ACFE6&qnext=carne-0f0c143339d5c0107c9vCN10020C](http://www.phmsa.dot.gov/portals/6/PHMSA/area/1/17/d80890675802d87_0672277897/q?x=11-CF0B1438653C010720ACML00005046A3C0ACFE6&qnext=carne-0f0c143339d5c0107c9vCN10020C)

The main content area is titled "Hazmat Safety Community" and includes the following sections:

- About Us:** Information about PHMSA's Office of Hazardous Materials Safety.
- Electronic Services:** Available online services.
- Grants & State Programs:** Financial and technical assistance for hazardous materials emergency planning activities.
- Interpretations:** PHMSA provides review and interpretation of regulations upon request.
- Registration:** Are you required to be registered? If so, how do you go about it?
- Social Permits & Approvals:** Alternatives to HMF requirements.
- Calendar:** Planned events specific to Hazardous Materials general and special topics.
- Enforcement:** Inspection and enforcement activities in the United States.
- Hazardous Materials:** Information Center: 1-800-HMM-4322 (Mon to Fri 9 to 5 EST, 222-266-4488 for Washington DC residents).
- Library:** Available files, reports, documents, and publications.
- Risk Management:** Identifying and managing risks of transportation of hazmat in commerce.
- Training & Outreach:** Training information, who needs it, and how to obtain it.
- Contact Us:** How to connect with us for more information, requests, and questions.
- FAQs:** Frequently Asked Questions and related to Hazmat's information and being.
- Incident Reporting:** Notification and reporting requirements.
- NTSB Safety Recommendations:** PHMSA is required by law to respond to recommendations issued by NTSB.
- Rules & Regulations:** What are the rules and how do they apply to me?
- Data & Statistics:** Accidents and incidents as well as coverage, annual, and summary statistics.
- Glossary:** Hazardous Materials terms and definitions.
- International Standards:** Efforts to harmonize United States and international standards and regulations.
- Designation Index:** Presentations displayed by effect that Federal law may on a conflicting or inconsistent state law.
- Security:** Handling hazardous materials for aviation safety and security.

The sidebar on the left includes:

- Home**
- About PHMSA:** Mission and Goals, About the Agency, Key Officials, Organization, Calendar.
- Promoting Safety & Security:** Regulations, Special Permits & Approvals, International Standards, Security.
- Latest News:**
  - PHMSA Press Release 07-07: DOT Grants \$12.5 Million to First Responders and Emergency Workers to Improve Hazardous Material Planning at U.S. Airports.
  - PHMSA Press Release 06-17: PHMSA Bans Non-Rechargeable Lithium-Battery Shipments on Passenger Aircraft.
  - PHMSA Focus, Summer Edition.
  - PHMSA Press Release 05-17: PHMSA signed a MOU with the National Library of Medicine (NLM) to publish PHMSA's 2100 Emergency Response Guidebook as a portable application on mobile devices for use by emergency responders.
  - DOT Press Release (7-30-06): DOT Proposes to Require Railroads to Post Hazardous Materials-Based Litigation Safety and Security Factors.
- Travel Resources:** Tips on how to safely pack and transport batteries, battery-powered devices, and other personal items when traveling. Includes a "SafeTravel" logo with the text "SAFETY TIPS FOR TRAVELERS".
- What Has Changed?:** A description of significant changes made to the site to reflect its new look and deployment. Includes a link: "Welcome to the new improved PHMSA Site".
- Hazardous Materials Safety Resources**

<http://hazmat.dot.gov>



# Southwest Region Multi Modal

- Aug 9th and 10th
- Crowne Plaza Hotel in Addison, TX





# *Thank You*

