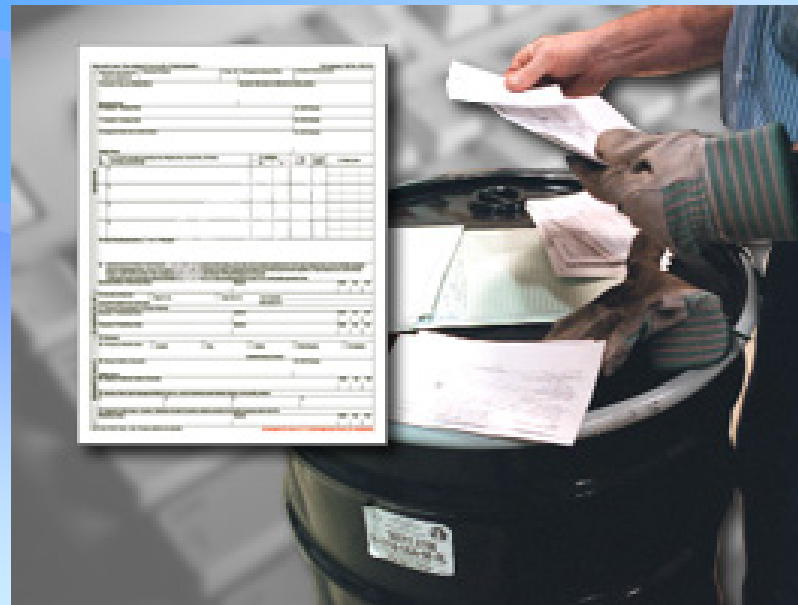


# Shipping and Signing Manifests



# DOT Req's-Signing Manifests

- **Hazmat Employee**
- **Classification**
- **Proper Description**
- **Marking**
- **Labeling**
- **Packaging**
- **Manifest**

The image shows a sample DOT Hazardous Materials Manifest form. The form is a multi-page document with a header section for shipper and receiver information, a table for listing hazardous materials, and a section for marking and labeling. The form is filled out with sample data, including a shipper name 'ABC COMPANY', a receiver name 'DEF COMPANY', and a hazard class '2.3'. The form is surrounded by a perforated border, indicating it is a multi-page document.

HAZARDOUS MATERIALS	CLASSIFICATION	NET WEIGHT	NET VOLUME	HAZARD CLASS	HAZARD CLASS	HAZARD CLASS	HAZARD CLASS

# US DOT 172.101 Table

**§172.101 Hazardous Materials Table**

Symbols (1)	Hazardous materials descriptions and proper shipping names (2)	Hazard class or Division (3)	Identifica- tion Numbers (4)	Packing Group (5)	Label(s) required (if not excepted) (6)	Special provisions (7)	(8) Packaging authorizations (§ 173.***)		
							Excep- tions (8A)	Non- bulk pack- aging (8B)	Bulk pack- aging (8C)
—	Poisonous, solids, self heating, n.o.s....	6.1	UN3124	I	POISON, SPONTANEOUSLY COMBUSTIBLE	A5_	None	211	241

# Column 2 – Shipping Name

- Preset name that most accurately describes the material
  - Pure Shipping name for pure materials
    - Kerosene
  - N.O.S. Shipping name for mixtures or materials without a pure name.
    - Flammable Liquids, Corrosive, n.o.s. (Kerosene, Sodium Hydroxide)
- N.O.S. names must include descriptors
- Example Shipping Name
  - Acetone, 3, UN1090, II

# Column 3 – Hazard Class

- All materials fit into one of the DOT preset hazardous classes based on characteristics
- Hazard Class is the most basic classification of hazard communication
- Hazard Class is specific to the shipping name chosen
- Example Shipping Name
  - Waste Acetone, 3, UN1090, II

# DOT labels show the hazard



Department of Transportation (DOT) Labels



# Column 4 – UN Identification Numbers

- Specific to Shipping Name chosen
- Universal to North American shipping
- References Emergency Response Guide Book for spill/accidental release precautions
- Example Shipping Name:
  - Waste Acetone, 3, **UN1090**, II

# Column 5 - Packing Groups

- Packing Group identifies danger level of hazard class
- Packing Group III is the lowest hazard
- Packing Group I is the highest hazard
- Examples
  - Flammables
  - Poisons
- Often impacts material packaging
- Example Shipping Name
  - Acetone, 3, UN1090, **II**



FO-1050622000-007-01-0

# CWDPTAHG HAZARDOUS WASTE

HAZARDOUS WASTE - FEDERAL LAW PROHIBITS IMPROPER DISPOSAL. IF FOUND, CONTACT THE NEAREST POLICE OR PUBLIC SAFETY AUTHORITY OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY.

DOT SHIPPING DESCRIPTION

UN1992, WASTE FLAMMABLE LIQUIDS, TOXIC, n.o.s.  
(METHANOL) (MERCURIC THIOCYANATE), 3 (6.1), II

## *DOT Marking*

EPA CODE: IE / F003 D001 D009  
WIP#: 074574 CONTAINER TYPE: 051H2 DF  
DATE ACCUMULATED: 02/25/09 PHY STATE: S  
DATE SHIPPED: 02/25/09  
MANIFEST PAGE & LINE: 1 1

Generators Name and Address

POET RESEARCH INC.  
4615 NORTH LEWIS AVE.  
SIOUX FALLS SD 57104

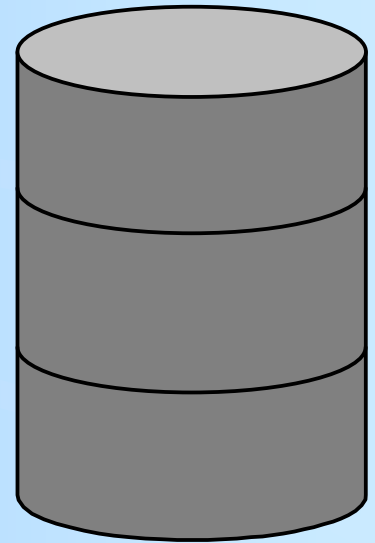
SDCESQG

Manifest Tracking Number  
000163913VES

# General Marking Requirements

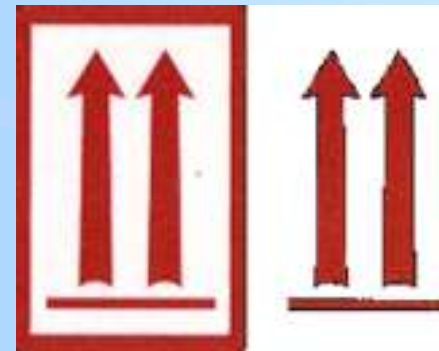
## **49CFR 172.300**

- Proper Shipping Name
- Identification Number (UN/NA)
- Technical Names/Constituents
- DOT Packaging Exemption
- Consignee or consignor name and address
- RQ if applicable (172.324)



# Other Types of Marking

- **This End Up  
Marking  
172.312**
- **Inner  
Packaging**



# Labeling

- Permits the display of hazards contained within a package
- Required for a hazardous material meeting one or more hazard class definitions.



**Class 1**



**Class 2**



**Class 3**



**Class 4**



**Class 5**



**Class 6**



**Class 7**



**Class 8**



**Class 9**



**Special Provisions**



*DOT Label*



# Vehicle Placards



<p><b>CLASS 1</b></p> <p>A 1.4 B 1</p> <p>A 1.4 G 1</p> <p>A 1.4 S 1</p>	<p><b>CLASS 2</b></p> <p>B NON-FLAMMABLE GAS 2</p> <p>C FLAMMABLE GAS 2</p> <p>D POISON GAS 2</p> <p>E OXYGEN 2</p> <p><b>MARINE</b></p> <p>Q</p>	<p><b>CLASS 3</b></p> <p>F FLAMMABLE 3</p> <p><b>CLASS 4</b></p> <p>G DANGEROUS SOLID 4</p> <p>H CORROSIVE LIQUID 4</p> <p>I CORROSIVE SOLID 4</p>	<p><b>CLASS 5</b></p> <p>J OXIDIZER 5.1</p> <p>K ORGANIC PEROXIDE 5.2</p> <p><b>CLASS 6</b></p> <p>L POISON 6</p> <p>M HARMFUL 6</p>	<p><b>CLASS 8</b></p> <p>N CORROSIVE 8</p> <p><b>CLASS 9</b></p> <p>O</p> <p><b>Mixed Loads</b></p> <p>P DANGEROUS</p>
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Markings that immediately identify hazardous contents

# Placarding Responsibility



- Generator's Responsibility
- Veolia will do the placarding for all state generators

# PLACARDING

- Permits the display of hazards contained within the transport vehicle.
- Warns and guides Emergency Responders





1

2

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0030

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		2. Page 1 of		3. Emergency Response Phone		4. Manifest Tracking Number				
5. Generator's Name and Mailing Address						Generator's Site Address (if different than mailing address)				
Generator's Phone						4				
6. Transporter 1 Company Name						U.S. EPA ID Number				
7. Transporter 2 Company Name						U.S. EPA ID Number				
8. Designated Facility Name and Site Address						U.S. EPA ID Number				
Facility's Phone										
9a. HMT	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt Avail	13. Waste Codes				
		No.	Type							
1	6		7							
2										
3										
4										
14. Special Handling Instructions and Additional Information										
15. <b>GENERATOR/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (f) if I am a large quantity generator) or (b) (f) if I am a small quantity generator) is true.										
Generator's/Officer's Printed/Typed Name					Signature			Month Day Year		

GENERATOR

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name \_\_\_\_\_ Signature \_\_\_\_\_ 8 \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

TRANSPORTER INT'L

16. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: \_\_\_\_\_ Date leaving U.S.: \_\_\_\_\_  
Transporter signature (for exports only): \_\_\_\_\_

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials  
Transporter 1 Printed/Typed Name \_\_\_\_\_ Signature \_\_\_\_\_ 9 \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_  
Transporter 2 Printed/Typed Name \_\_\_\_\_ Signature \_\_\_\_\_ \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space:  Quantity  Type  Residue  Partial Rejection  Full Rejection

Manifest Reference Number: \_\_\_\_\_

18b. Alternate Facility (or Generator) \_\_\_\_\_ U.S. EPA ID Number \_\_\_\_\_

Facility's Phone: \_\_\_\_\_

18c. Signature of Alternate Facility (or Generator) \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_ 4. \_\_\_\_\_

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name \_\_\_\_\_ Signature \_\_\_\_\_ \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED) 10

# Key Points of a Haz Waste Manifest

- (1) Generator's EPA ID Number**
- (2) Emergency Number**
- (3) Generator's Name and Mailing Address**
- (4) Generation Site Address**
- (5) Transporter Name and EPA ID**

# Key Points of a Haz Waste Manifest

**(6) DOT Shipping Name**

**(7) Number of Containers Being Shipped**

**(8) Generator's Certification**

**(9) Transporter's Signature**

**(10) Manifest Distribution**

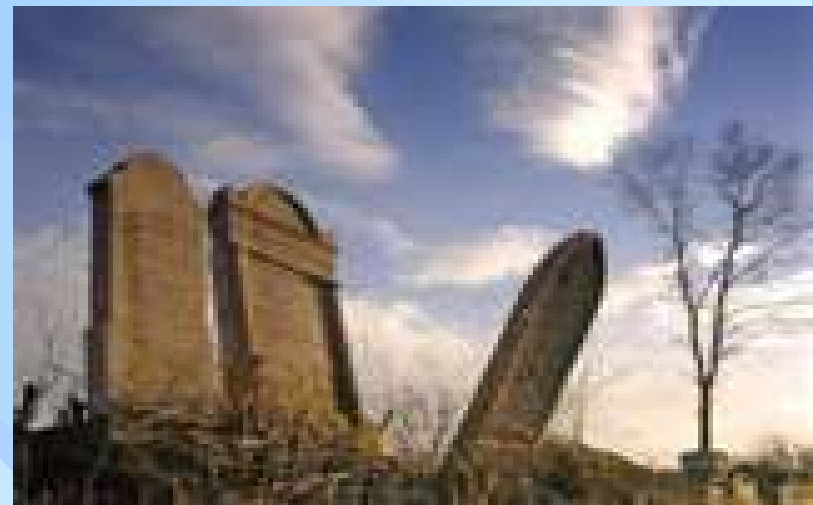
# Record Retention

- **Manifests**
- **Landbans**
- **Profiles**
- **Other Information**



# Cradle to Grave Responsibility

## *Bye, Bye, Hazardous Waste...*





# Questions / Discussion Video