Off-Site Shipping of Hazardous Waste

Environmental Resource Center®
www.ercweb.com

CALIFORNIA CUPA FORUM

23rd California Unified Program Annual Training Conference
February 2 – March 18, 2021

Introduction

- Andy Smith
- More than 20 years training/consulting
  - asmith@ercweb.com
  - 800-537-2372 x 236

Off-Site Shipping of HW

- Comply with 3 separate regulations
  - Department of Toxic Substances Control (DTSC)
  - Environmental Protection Agency (EPA)
  - Department of Transportation (DOT)

Generator Regulations (22 CCR 66262)

- Article 3 (Pre-Transportation Requirements)
  - Packaging (§66262.30)
  - Labeling (§66262.31)
  - Marking (§66262.32)
  - Placarding (§66262.33)

Pre-Transportation (§66262 Art. 3)

- Packaging, Labeling, Placarding
  - Refer to 49 CFR (DOT, to be covered later)
- Marking
  - Follow DOT...and
  - Meet DTSC/EPA requirements

DTSC Package Marking (§66262.32(b))

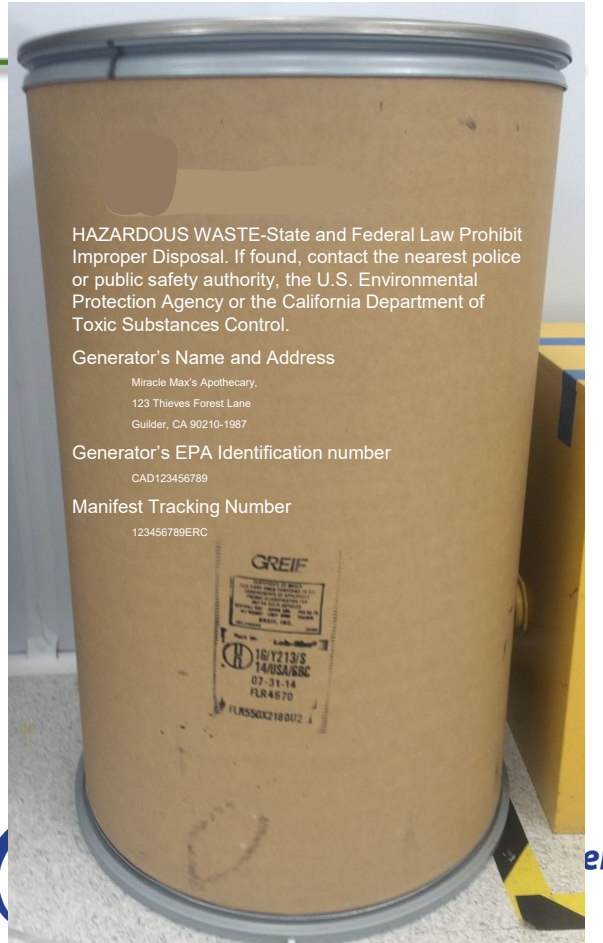
- Containers > 119 gallons (DOT bulk packages)
  - Only follow DOT
  - No DTSC markings required

DTSC Package Marking (§66262.32(b))

- Containers ≤ 119 gallons (DOT non-bulk packages)
  - HW Warning Statement
  - Generator's Name and Address
  - EPA ID Number
  - Manifest Tracking Number

DTSC Package Marking

- Containers ≤ 119 gallons (DOT non-bulk packages)
  - HW Warning Statement
  - Generator's Name and Address
  - EPA ID Number
  - Manifest Tracking Number

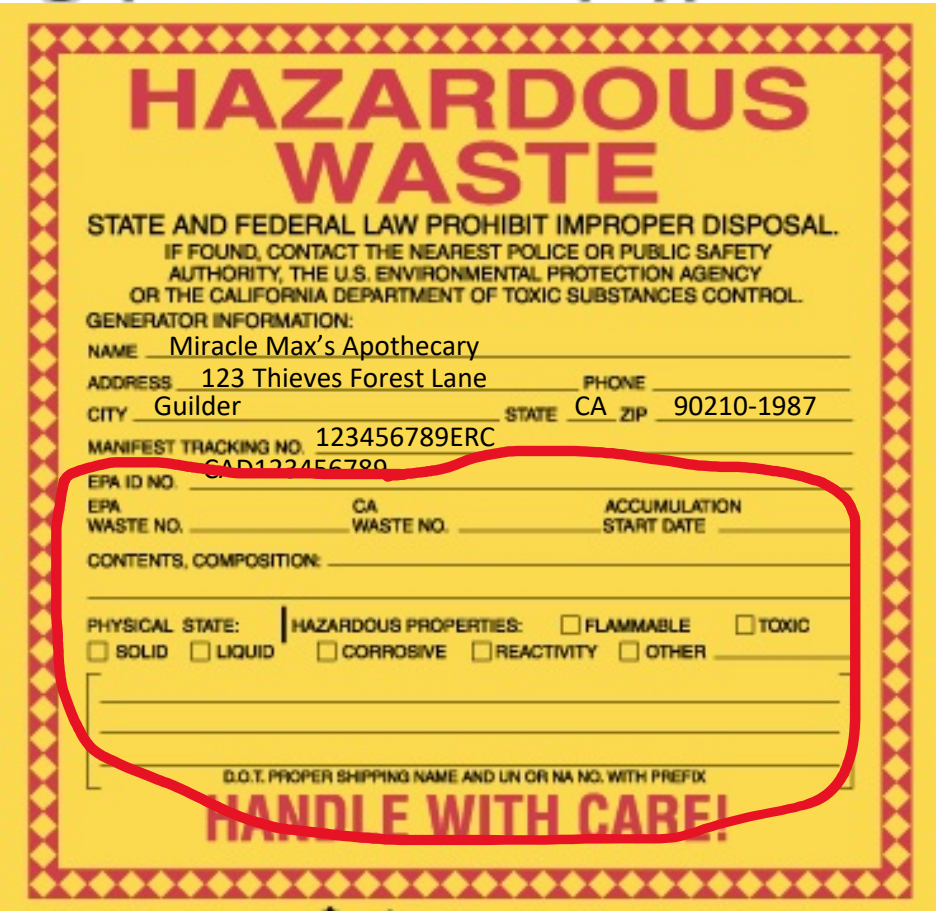


DTSC Package Marking (§66262.32(b))

- Containers ≤ 119 gallons
  - HW Warning Statement
  - Generator's Name and Address
  - Manifest Tracking Number
  - EPA ID Number

DTSC Package Marking (§66262.32(b))

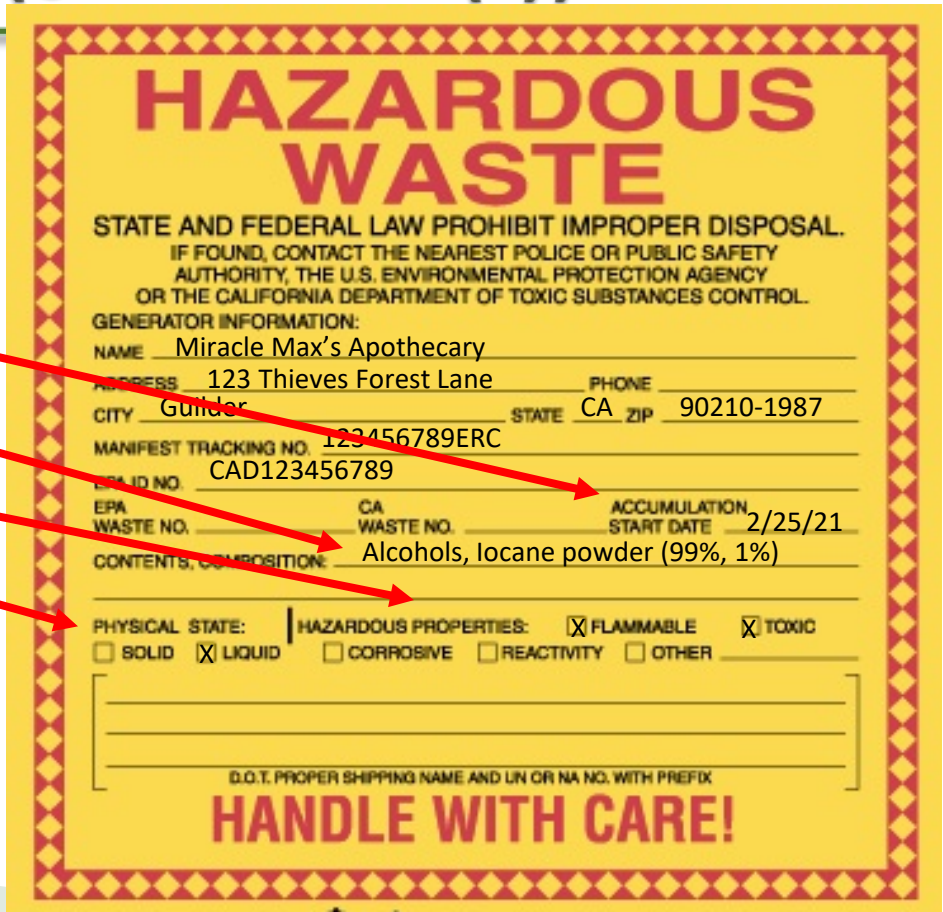
- What's all of this here for?



Accumulation Rules (§66262.34(f))

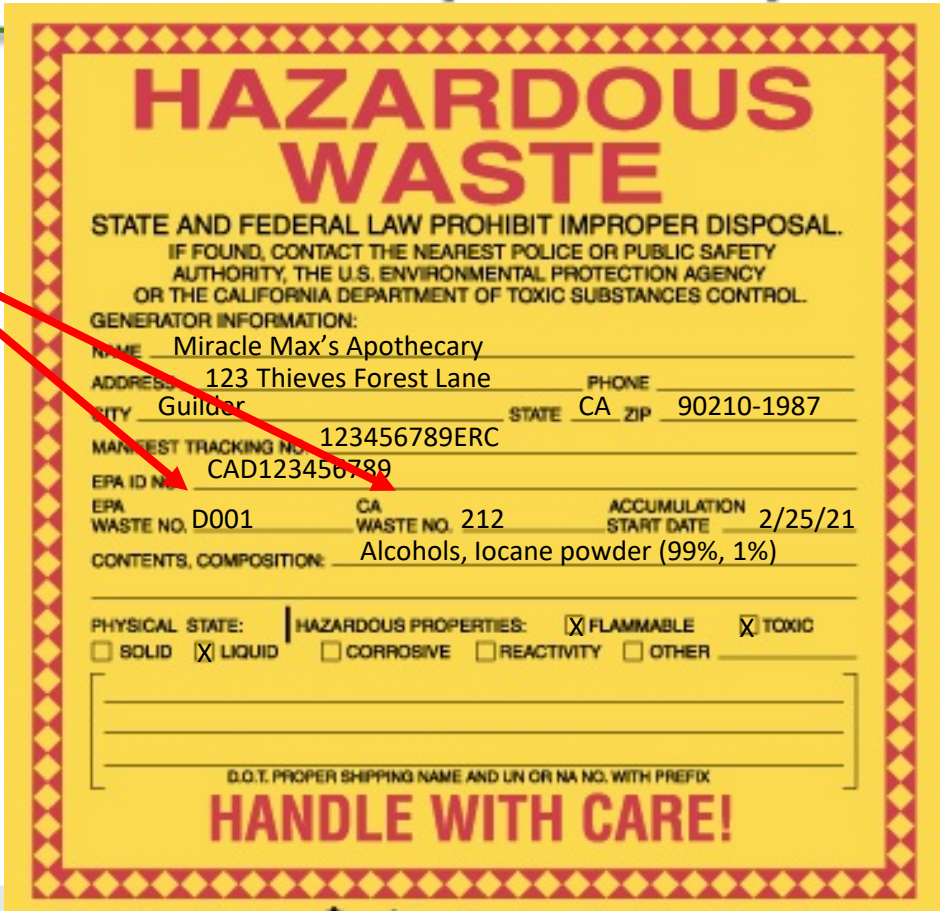
- "Hazardous Waste"
- Generator name and address
- Start Date
- Composition
- Hazards
- Physical State

- Not required by DTSC onsite or for shipping
  - Waste codes



Generator Improvements Rule (Federal)

- Waste codes (for shipping, not storage)
  - Not required for lab-packs unless containing metals (D008, D009, etc.)



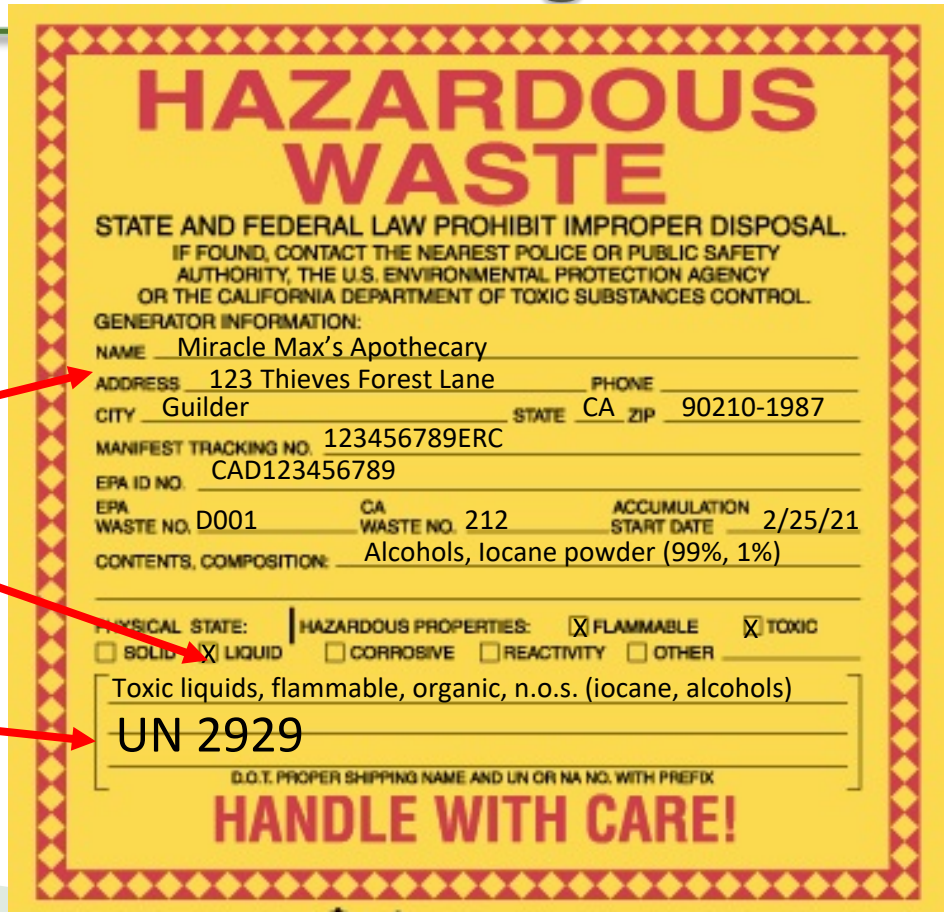
Marking (accumulation and storage)

- While this specific label is not required, a label such as this meets DTSC and EPA marking requirements for both storage and shipping of hazardous waste

CALIFORNIA CUPA FORUM

What does DOT say about marking?

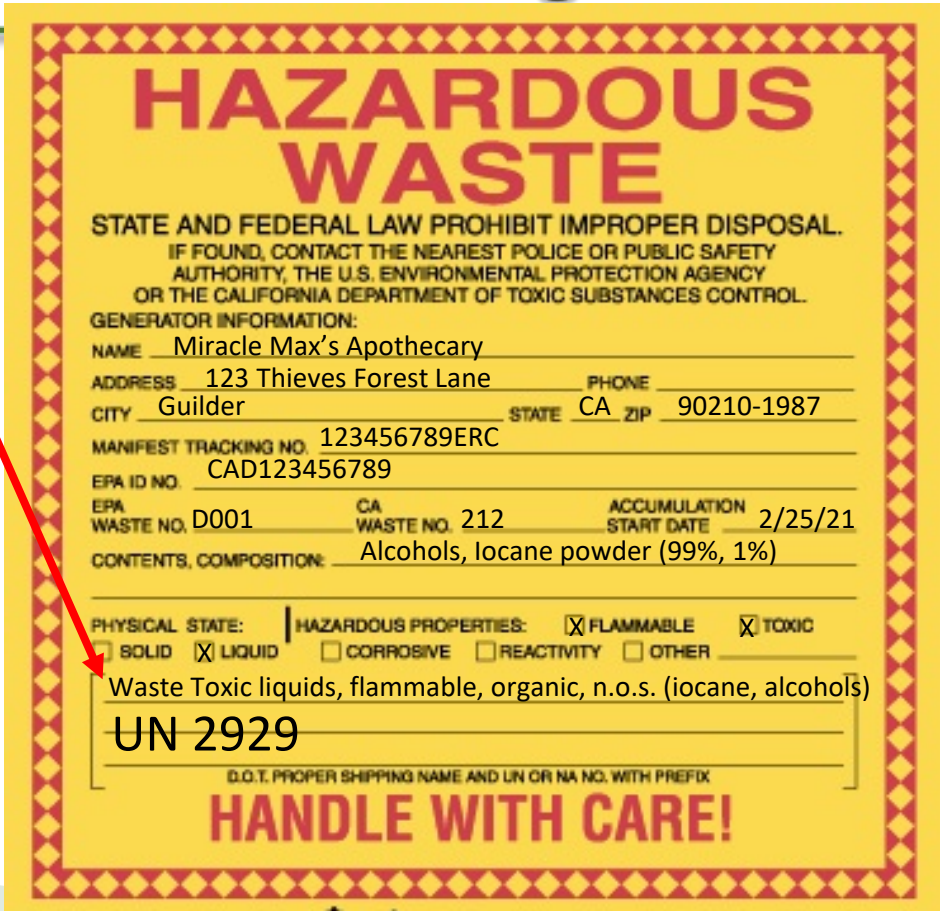
- Containers ≤ 119 gallons (DOT non-bulk packages)
  - Shipper's or receiver's name and address
  - Proper shipping name
  - UN or NA Identification number



CALIFORNIA CUPA FORUM

What does DOT say about marking?

- Add “Waste” to PSN
  - If required on manifest by US EPA
  - Not Non-RCRA
  - Not required if package is marked per EPA at 40 CFR 262.32



RQ Markings

- Reportable Quantities
  - 40 CFR 302.4, or Appendix A of HazMat Table at 49 CFR 172.101

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Acetone	5000 (2270)
Asbestos[¢¢]	1 (0.454)
Hydrofluoric acid	100 (45.4)
D002 Unlisted Hazardous Wastes Characteristic of Corrosivity	100 (45.4)
D001 Unlisted Hazardous Wastes Characteristic of Ignitability	100 (45.4)
D003 Unlisted Hazardous Wastes Characteristic of Reactivity	100 (45.4)

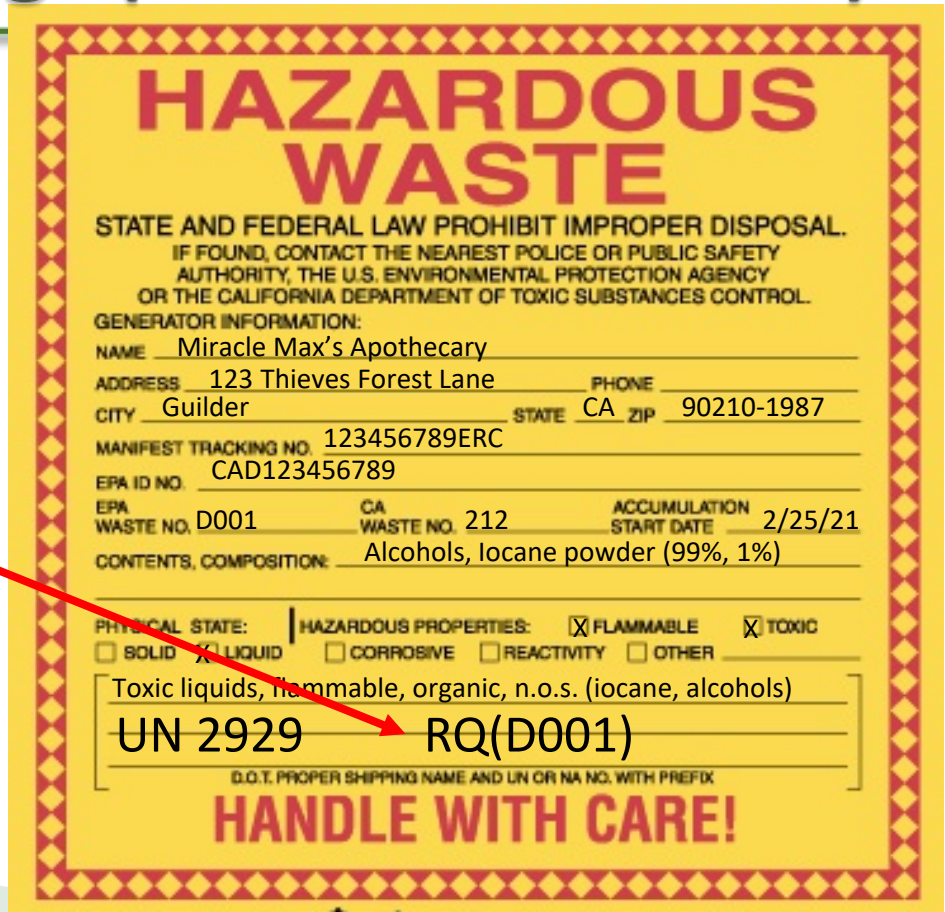
RQ Markings

- Reportable Quantities
  - If ignitable chemical is listed (acetone) use listed RQ (5,000 lbs)
  - If ignitable chemical is unlisted (isopropanol) use unlisted RQ (100 lbs)

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Acetone	5000 (2270)
D001 Unlisted Hazardous Wastes Characteristic of Ignitability	100 (45.4)

DOT Non-Bulk Markings (49 CFR 172 Sub B)

- Reportable Quantities
  - Hazardous substances exceeding RQ in a single package
  - Add “RQ” and chemical or waste code, if not part of shipping name



DOT Bulk Markings

- > 119 gallons
- >882 pounds
  - IBCs, totes, cargo tanks, etc.

- 49 CFR 172.302
- None of the DTSC/EPA markings are required
- UN/NA ID Number

CALIFORNIA CUPA FORUM

DOT Bulk Markings

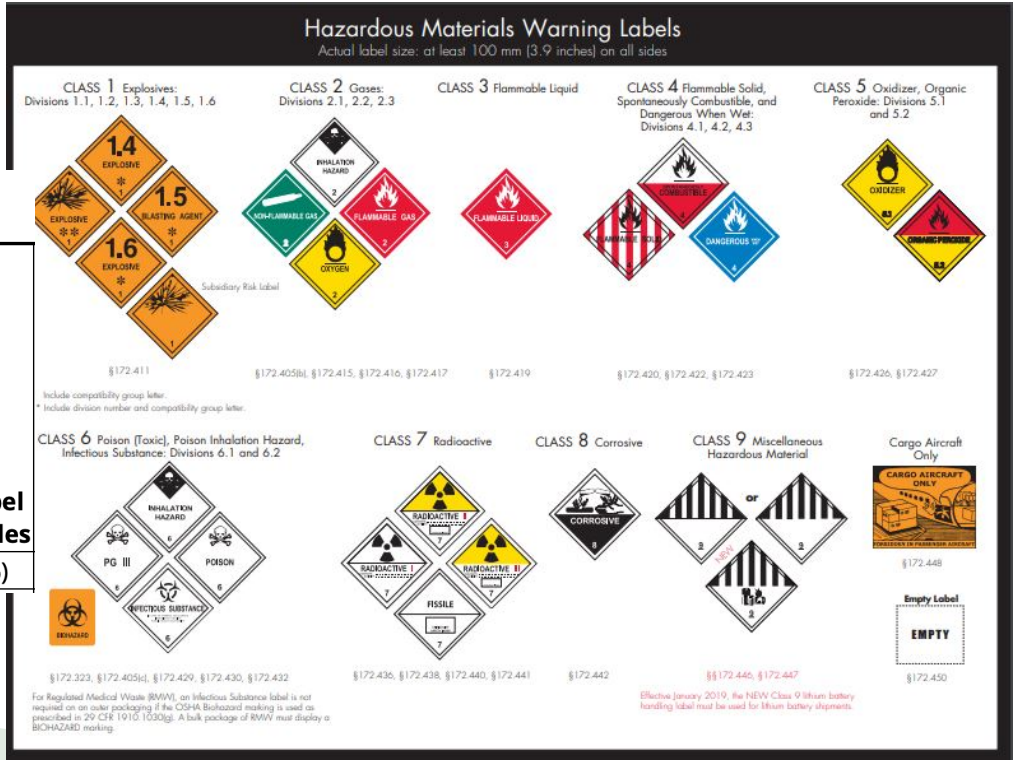
- UN/NA ID Number
  - Orange panel
  - Inside placard
  - White “placard-like” background

DOT Labels (49 CFR 172 Subpart E)

- Column 6 of the Hazmat Table shows label requirements

§172.101 Hazardous Materials Table

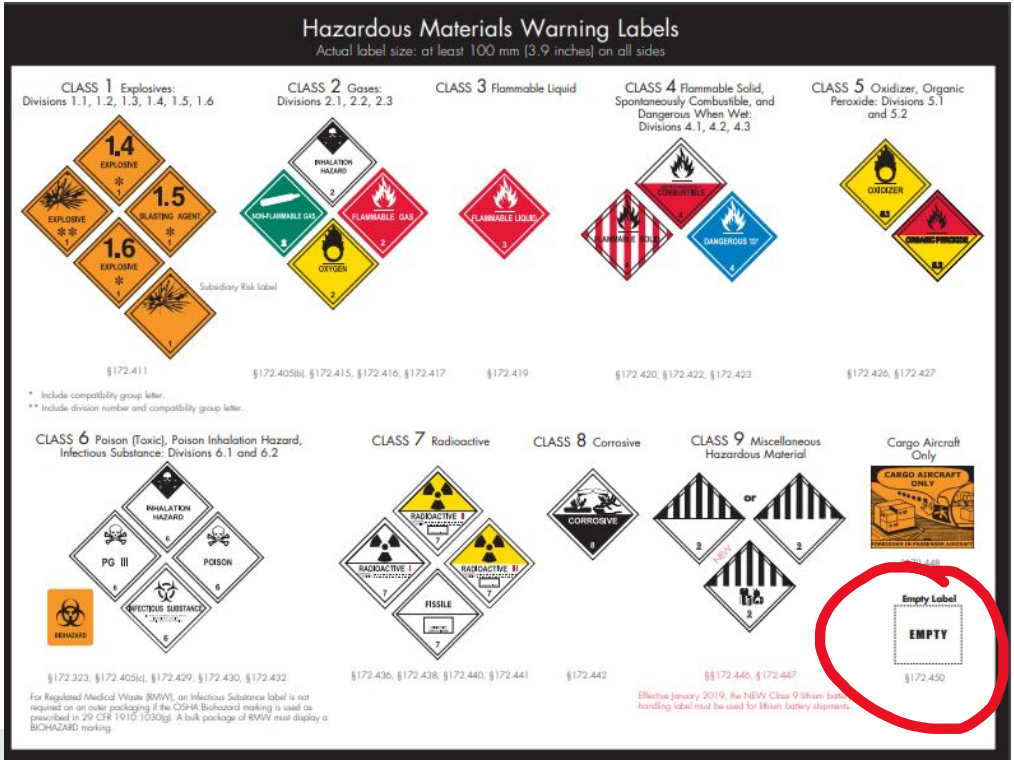
Symbols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identification Numbers	PG	Label Codes
(1)	(2)	(3)	(4)	(5)	(6)



CALIFORNIA CUPA FORUM

DOT Labels

- Pop Quiz
  - What is “Empty” label used for?



CALIFORNIA CUPA FORUM

DOT Labels

- DOT “Empty” label
  - §173.428 Empty Class 7 (radioactive) materials packaging
  - “Any labels previously applied in conformance with subpart E of part 172 of this subchapter are removed, obliterated, or covered and the “Empty” label prescribed in §172.450 of this subchapter is affixed to the packaging; and

§172.450 EMPTY label.

(a) Each EMPTY label, except for size, must be as follows:

DOT Placards (49 CFR 172 Subpart F)

- Two placarding tables
  - Table 1: any amount requires placards
  - Table 2: non bulk packages, aggregate gross weight ≥ 1,000 lbs, placards required

DOT Placards (49 CFR 172 Subpart F)

- Table 1
  - Any amount requires placards

TABLE 1

Category of material (Hazard class or division number and additional description, as appropriate)	Placard name	Placard design section reference (§)
1.1	EXPLOSIVES 1.1	172.522
1.2	EXPLOSIVES 1.2	172.522
1.3	EXPLOSIVES 1.3	172.522
2.3	POISON GAS	172.540
4.3	DANGEROUS WHEN WET	172.548
5.2 (Organic peroxide, Type B, liquid *or* solid, temperature controlled)	ORGANIC PEROXIDE	172.552
6.1 (material poisonous by inhalation (see §171.8 of this subchapter))	POISON INHALATION HAZARD	172.555
7 (Radioactive Yellow III label only)	RADIOACTIVE[1]	172.556

DOT Placards (49 CFR 172 Subpart F)

- Table 2
  - ≥ 1,001 lbs requires placards

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))	172.560

Generator Regulations (22 CCR 66262)

- Article 3 (Pre-Transportation Requirements)
  - Packaging (§66262.30)
  - Labeling (§66262.31)
  - Marking (§66262.32)
  - Placarding (§66262.33)

Generator Regulations (22 CCR 66262)

- Article 3 (Pre-Transportation Requirements)
  - Packaging (§66262.30)
  - Labeling (§66262.31)
  - Marking (§66262.32)
  - Placarding (§66262.33)

Generator Regulations (22 CCR 66262)

- Article 3 (Pre-Transportation Requirements)
  - Packaging (§66262.30)
  - Labeling (§66262.31)
  - Marking (§66262.32)
  - Placarding (§66262.33)

Generator Regulations (22 CCR 66262)

- Article 3 (Pre-Transportation Requirements)
  - Packaging (§66262.30)
  - Labeling (§66262.31)
  - Marking (§66262.32)
  - Placarding (§66262.33)

Generator Regulations (22 CCR 66262)

- Article 3 (Pre-Transportation Requirements)
  - Packaging (§66262.30)

22 CCR § 66262.30

§ 66262.30. Packaging.

Before transporting hazardous waste or offering hazardous wastefor transportation off-site, a generator shall package the waste in accordance with the applicable Department of Transportation regulations on packaging under Title 49 CFR Parts 173, 178, and 179.

DOT Requirements from §66262.30

- Parts 178 and 179

SUBCHAPTER C—HAZARDOUS MATERIALS REGULATIONS (CONTINUED)

Part	Table of Contents	Headings
178	178.1 to 178.1070	SPECIFICATIONS FOR PACKAGINGS
179	179.1 to 179.500-18	SPECIFICATIONS FOR TANK CARS

DOT Requirements from §66262.30

- Part 173 – General Requirements for Shipments and Packagings

Subpart E—NON-BULK PACKAGING FOR HAZARDOUS MATERIALS OTHER THAN CLASS 1 AND CLASS 7

§173.158	Nitric acid.
§173.159	Batteries, wet.
§173.159a	Exceptions for non-spillable batteries.
§173.160	Bombs, smoke, non-explosive (corrosive).
§173.161	Chemical kits and first aid kits.
§173.162	Gallium.
§173.163	Hydrogen fluoride.

Select DOT Authorized Packaging

- Package is selected based on proper shipping name and ID number of hazardous material

Select Authorized Non-Bulk Packaging

Sym-bols	Hazardous Materials Descriptions and Proper Shipping Names	Hazard Class or Division	Identifi-cation Nos.	PG	Label Codes
(1)	(2)	(3)	(4)	(5)	(6)
G	Toxic liquids, flammable, organic, n.o.s.	6.1	UN2929	I	6.1, 3
				II	6.1, 3

Select Authorized Non-Bulk Packaging

Identification Nos.	PG	Label Codes	Special Provisions (§172.102)	(8) Packaging (§173.***)		
				Exceptions	Non-Bulk	Bulk
(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)
UN2929	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243
	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243

Non-Bulk Packagings ≤ 119 gallons

§173.202 Non-bulk packagings for liquid hazardous materials in Packing Group II.

(a) When §172.101 of this subchapter specifies that a liquid hazardous material be packaged under this section, only non-bulk packagings prescribed in this section may be used for its transportation. Each packaging must conform to the general packaging requirements of subpart B of part 173, to the requirements of part 178 of this subchapter at the Packing Group I or II performance level (unless otherwise excepted), and to the particular requirements of the special provisions of column 7 of the §172.101 table.

(b) The following combination packagings are authorized:

Outer packagings:

Steel drum: 1A1 or 1A2

Aluminum drum: 1B1 or 1B2

Metal drum other than steel or aluminum: 1N1 or 1N2

Plywood drum: 1D

Fiber drum: 1G

Plastic drum: 1H1 or 1H2

Wooden barrel: 2C2

Steel jerrican: 3A1 or 3A2

Plastic jerrican: 3H1 or 3H2

Aluminum jerrican: 3B1 or 3B2

Steel box: 4A

Aluminum box: 4B

Natural wood box: 4C1 or 4C2

Plywood box: 4D

Reconstituted wood box: 4F

Fiberboard box: 4G

Expanded plastic box: 4H1

Solid plastic box: 4H2

Metal box other than steel or aluminum: 4N

Inner packagings:

Glass or earthenware receptacles

Plastic receptacles

Metal receptacles

Glass ampoules

Non-Bulk Packagings ≤ 119 gallons

§173.202 Non-bulk packagings for liquid hazardous materials in Packing Group II.

(a) When §172.101 of this subchapter specifies that a liquid hazardous material be packaged under this section, only non-bulk packagings prescribed in this section may be used for its transportation. Each packaging must conform to the general packaging requirements of subpart B of part 173, to the requirements of part 178 of this subchapter at the Packing Group I or II performance level (unless otherwise excepted), and to the particular requirements of the special provisions of column 7 of the §172.101 table.

(c) Except for transportation by passenger aircraft, the following single packagings are authorized:

Steel drum: 1A1 or 1A2

Aluminum drum: 1B1 or 1B2

Metal drum other than steel or aluminum: 1N1 or 1N2

Plastic drum: 1H1 or 1H2

Fiber drum: 1G (with liner)

Wooden barrel: 2C1

Steel jerrican: 3A1 or 3A2

Plastic jerrican: 3H1 or 3H2

Aluminum jerrican: 3B1 or 3B2

Plastic receptacle in steel, aluminum, fiber or plastic drum: 6HA1, 6HB1, 6HG1 or 6HH1

Plastic receptacle in steel, aluminum, wooden, plywood or fiberboard box: 6HA2, 6HB2, 6HC, 6HD2 or 6HG2

Glass, porcelain or stoneware in steel, aluminum or fiber drum: 6PA1, 6PB1 or 6PG1

Glass, porcelain or stoneware in steel, aluminum, wooden or fiberboard box: 6PA2, 6PB2, 6PC or 6PG2

Glass, porcelain or stoneware in solid or expanded plastic packaging: 6PH1 or 6PH2

Plastic receptacle in plywood drum: 6HD1

Environmental Resource Center®
www.ercweb.com

Non-Bulk Packagings ≤ 119 gallons

- 1A2
  - Drum, steel, removable top
- Y
  - Rated for PG II or III (not PG I)
- 1.3
  - Maximum specific gravity of material
- 100
  - Pressure rating, in kilopascals

Non-Bulk Packagings ≤ 119 gallons

- 11
  - Year of Manufacture (2021)
- USA
  - Country of Manufacture
- M1234
  - Manufacturer's code (or name and address)
- 2.0
  - Minimum re-use thickness

Re-Use of Packagings (49 CFR 173.28)

- Prior to reuse
  - Air pressure test
  - Verify minimum thickness

- How do you do that for waste?

Exception for waste (§173.12(c))

- Not subject to 173.28 if
- Prior to shipping
  - Meets all other packaging requirements
  - Highway only
  - Filled and closed ≥ 24 hours prior to shipment
  - Inspected for damage at time of loading
- Only one reuse allowed under exception

Select Authorized Bulk Packaging

Sym-bols	Hazardous Materials Descriptions and Proper Shipping Names	Hazard Class or Division	Identifi-cation Nos.	PG	Label Codes
(1)	(2)	(3)	(4)	(5)	(6)
G	Toxic liquids, flammable, organic, n.o.s.	6.1	UN2929	I	6.1, 3
				II	6.1, 3

Select Authorized Bulk Packaging

Identification Nos.	PG	Label Codes	Special Provisions (§172.102)	(8) Packaging (§173.***)		
				Exceptions	Non-Bulk	Bulk
(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)
UN2929	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243
	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243

Bulk Packagings > 119 gallons

§173.243 Bulk packaging for certain high hazard liquids and dual hazard materials which pose a moderate hazard.

When §172.101 of this subchapter specifies that a hazardous material be packaged under this section, only the following bulk packagings are authorized, subject to the requirements of subparts A and B of part 173 of this subchapter and the special provisions specified in column 7 of the §172.101 table.

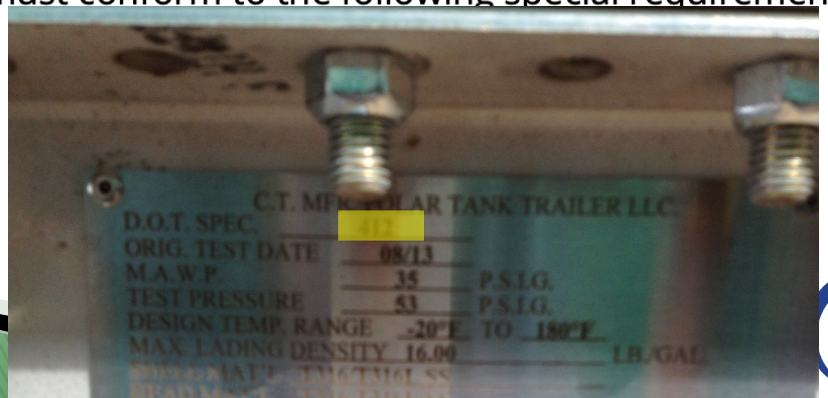
(a) *Rail cars:* Class DOT 103, 104, 105, 109, 111, 112, 114, 115, 117, or 120 fusion-welded tank car tanks; and Class 106 or 110 multi-unit tank car tanks. Additional operational requirements apply to high-hazard

Bulk Packagings > 119 gallons

§173.243 Bulk packaging for certain high hazard liquids and dual hazard materials which pose a moderate hazard.

When §172.101 of this subchapter specifies that a hazardous material be packaged under this section, only the following bulk packagings are authorized, subject to the requirements of subparts A and B of part 173 of this subchapter and the special provisions specified in column 7 of the §172.101 table.

(b) *Cargo tanks.* Specification MC 304, MC 307, MC 330, MC 331 cargo tank motor vehicles; and MC 310, MC 311, MC 312, DOT 407, and DOT 412 cargo tank motor vehicles with tank design pressure of at least 172.4 kPa (25 psig). Cargo tanks used to transport Class 3 or Division 6.1 materials, or Class 8, Packing Group I or II materials must conform to the following special requirements:



CALIFORNIA CUPA FORUM

Environmental Resource Center®
www.ercweb.com

Bulk Packagings > 119 gallons

§173.243 Bulk packaging for certain high hazard liquids and dual hazard materials which pose a moderate hazard.

When §172.101 of this subchapter specifies that a hazardous material be packaged under this section, only the following bulk packagings are authorized, subject to the requirements of subparts A and B of part 173 of this subchapter and the special provisions specified in column 7 of the §172.101 table.

(d) *IBCs.* IBCs are authorized subject to the conditions and limitations of this section provided the IBC type is authorized according to the IBC packaging code specified for the specific hazardous material in Column (7) of the §172.101 Table of this subchapter and the IBC conforms to the requirements in subpart O of part 178 of this subchapter at the Packing Group performance level as specified in Column (5) of the §172.101 Table of this subchapter for the material being transported.

Select Authorized Bulk Packaging

Identification Nos.	PG	Label Codes	Special Provisions (§172.102)	(8) Packaging (§173.***)		
				Exceptions	Non-Bulk	Bulk
(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)
UN2929	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243
	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243

Bulk Packagings > 119 gallons

(d) *IBCs.* IBCs are authorized subject to the conditions and limitations of this section provided the IBC type is authorized according to the IBC packaging code specified for the specific hazardous material in Column (7) of the §172.101 Table of this subchapter and the IBC conforms to the requirements in subpart O of part 178 of this subchapter at the Packing Group performance level as specified in Column (5) of the §172.101 Table of this subchapter for the material being transported.

TABLE 1—IB CODES (IBC CODES)

IBC code	Authorized IBCs
IB1	*Authorized IBCs:* Metal (31A, 31B and 31N).
	Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 °C (1.1 bar at 122 °F), or 130 kPa at 55 °C (1.3 bar at 131 °F) are authorized.
IB2	*Authorized IBCs:* Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1).
	Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 °C (1.1 bar at 122 °F), or 130 kPa at 55 °C (1.3 bar at 131 °F) are authorized.

Bulk Packagings > 119 gallons

IB2	*Authorized IBCs:* Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1).
	Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 °C (1.1 bar at 122 °F), or 130 kPa at 55 °C (1.3 bar at 131 °F) are authorized.

Let's Pull it All Together...

- Choose the packaging
- Label the packaging
- Mark the packaging
- Placard the vehicle (or bulk packagings)

Let's Pull it All Together...

- Choose the packaging
  - 4 drums (1A2) and 1 IBC (31HA1)

UN/1A2/Y1.3/100/
21/USA/M1234/2.0

CUPA FORUM

Environmental Resource Center®
www.ercweb.com

Let's Pull it All Together...

- Mark the packages

UN/1A2/Y1.3/100/
21/USA/M1234/2.0

CUPA FORUM

Environmental Resource Center®
www.ercweb.com

Let's Pull it All Together...

- Label (placard) the packages

CUPA FORUM

Environmental Resource Center®
www.ercweb.com

Let's Pull it All Together...

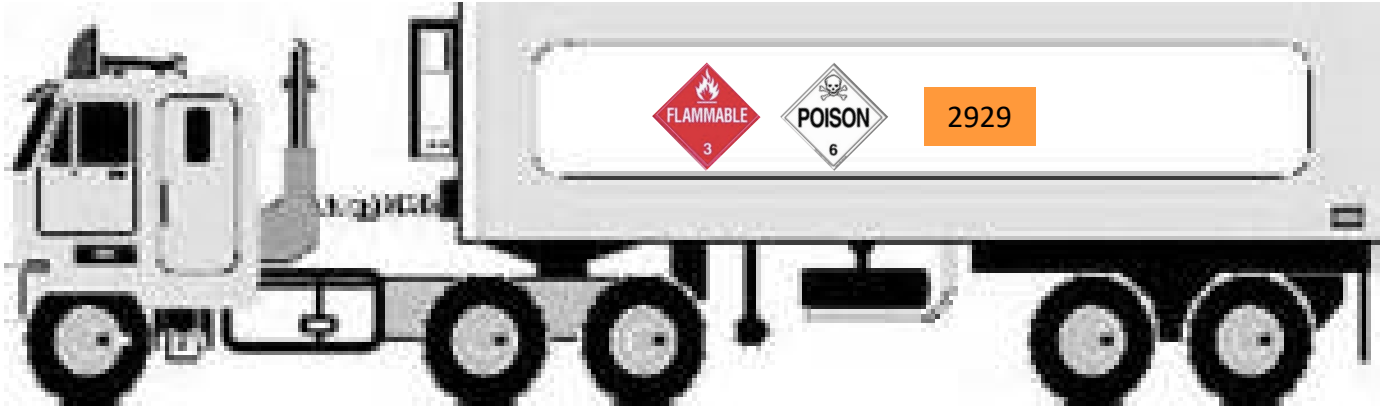
- Or...

CUPA FORUM

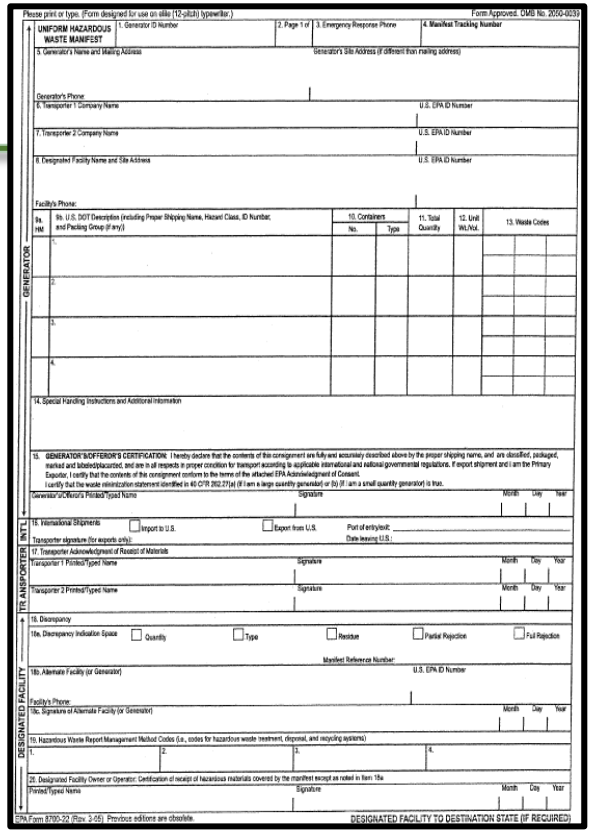
Environmental Resource Center®
www.ercweb.com

Let's Pull it All Together...

- Placard the vehicle



And now for the manifest...



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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number | 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:

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. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
GENERATOR		1.					
		2.					
		3.					
		4.					

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 — Month Day Year

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 — 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

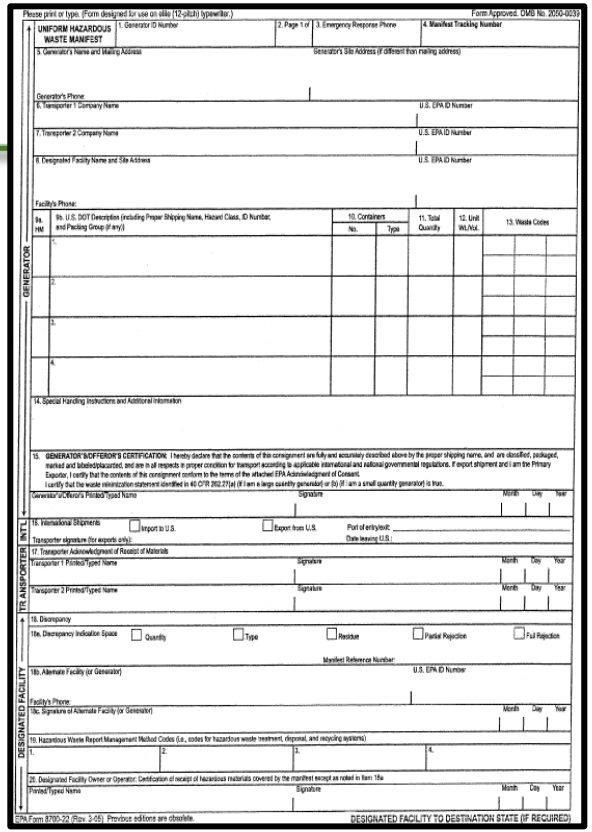
EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. — DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CALIFORNIA CUPA FORUM

Environmental Resource Center®
www.ercweb.com

And now for the manifest...

- Nope, that's a separate class, hope to see you there...
- If not, stay safe everyone!



UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number | 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:

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. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
1.						
2.						
3.						
4.						

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 | Month | Day | Year

INTERNATIONAL SHIPMENTS

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name | Signature | 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

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. | DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CALIFORNIA CUPA FORUM

Environmental Resource Center®
www.ercweb.com

Any Questions?

Andy Smith– asmith@ercweb.com