

TO: Ronnie Gilreath

FROM: M. M. Goodreau

DATE: August 6, 1987

Interoffice
Communication

SUBJ: DOT REGULATIONS

HMT 287
VISTA

During the hazardous materials program assessment you requested information on properly prepared shipping papers, markings, labels and placards for the materials back-hauled. Based on information contained on the MSDS's, I have put together the following general rules and material specific information on the attached pages.

1. Shipping papers are required to have the "proper shipping name", "hazard class" and "UN or NA number" in sequence.
2. The total quantity by weight or volume, including the unit of measure, must appear before or after the items listed above in 1.
3. The "hazard class" on the shipping papers provides the information you need to affix labels and/or placards.
4. The following rules apply to placarding mixed loads:
 - a. If the gross weight of all hazardous materials is less than 1000 pounds, no placard is required.
 - b. If the transport vehicle contains two or more classes of materials requiring different placards, the vehicle may be placarded DANGEROUS in place of the separate placards specified for those materials.
 - c. However, if 5000 pounds or more of one class of material is loaded at one loading facility, the placard specified for that hazard class must be applied.

An example of this is shown in the first attachment.

5. DOT Hazardous Materials regulations do not apply to materials classed as combustible liquids in packagings of less than 110 gallons, unless the combustible liquid is a hazardous substance or hazardous waste.

The following attachments contain shipping paper, marking, labeling, and placarding examples for: 1) drum shipments of toluene sulfonic acid, methanol and ethanol, and 2) tote shipments of combustible

R. Gilreath
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stabilizers. Please contact me if you need additional information on the above items.

m. m. Goodreau
M. M. Goodreau

ajo

cc H. W. Hilgers
F. Thomas
D. Harrington
J. Williams
W. McClain

VEV 000090695

ATTACHMENT 1

MIXED LOAD PLACARDING EXAMPLE

- 1st stop: Pick up 2 drums of toluene sulfonic acid weighing less than 1000 pounds. No placards
- 2nd stop: Pick up 5 drums of methanol, weighing 2000 pounds. Must placard the truck with DANGEROUS or both CORROSIVE and FLAMMABLE.
- 3rd stop: Pick up 20 drums of caustic, weighing 8000 pounds. Must placard the truck with CORROSIVE and FLAMMABLE.

ETHANOL

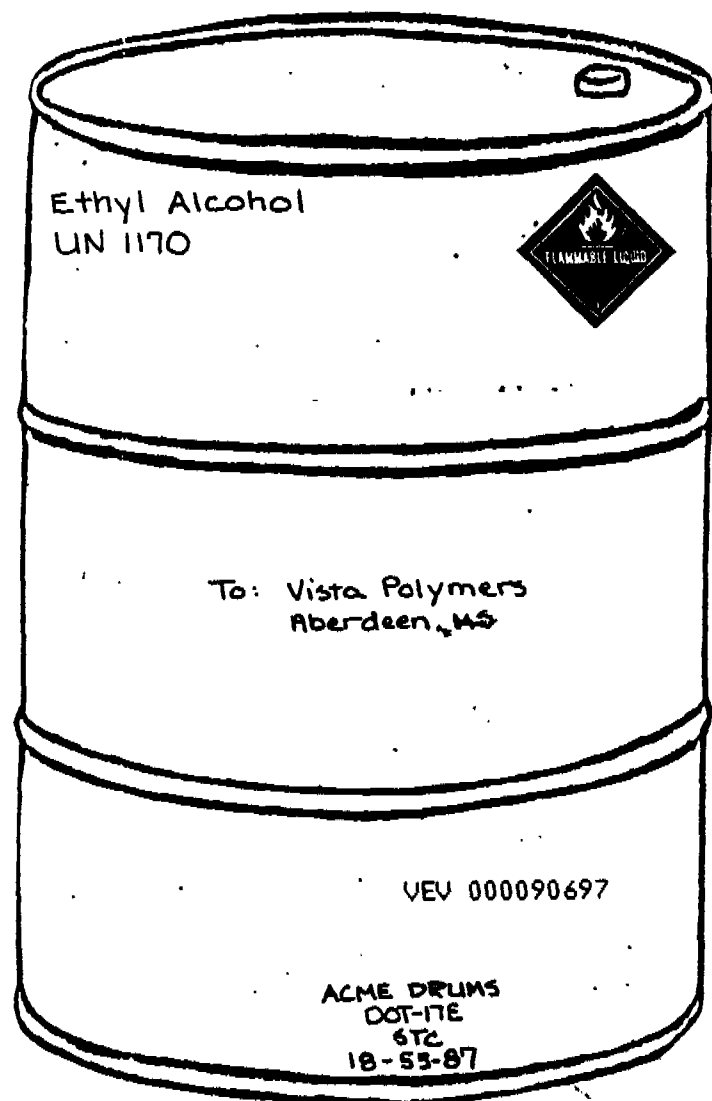
A

No. of Units & Container Type	HA	Description and Classification	Total Quantity
20 DRUMS		Ethyl alcohol, flammable	8000 lbs
		liquid, UN 1170	

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION. A. J. Signed SIGNATURE



Flammable placards required



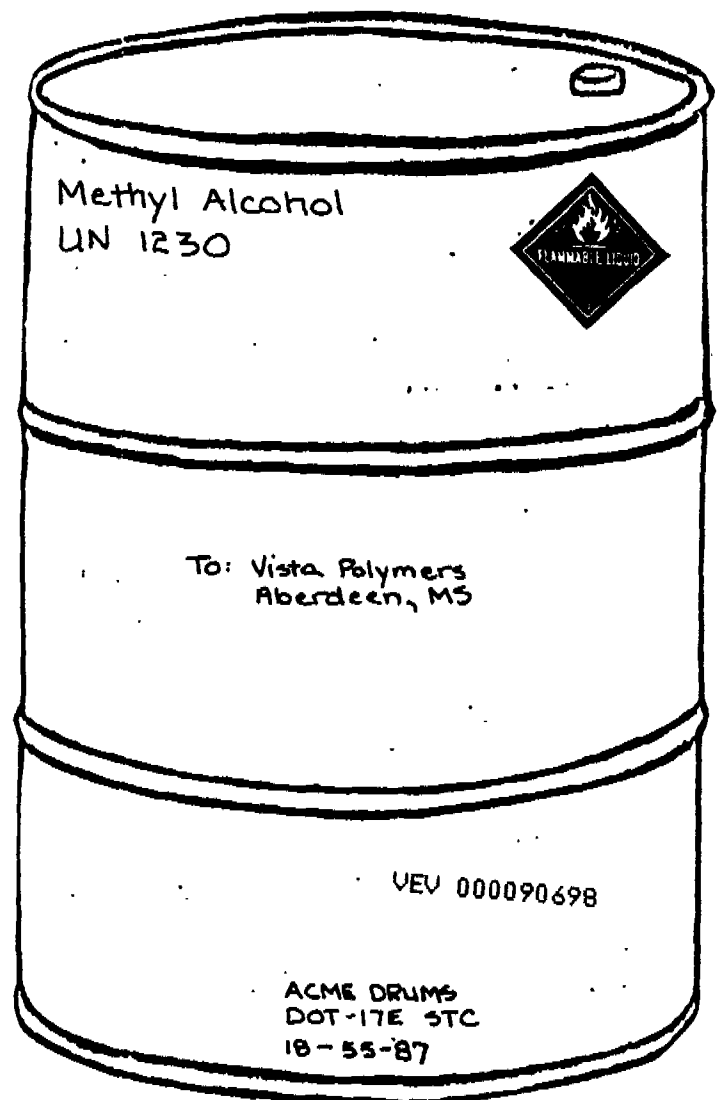
METHANOL

No. of Units & Container Type	IBI	Description and Classification	Total Quantity
18 DRUMS		Methyl alcohol, flammable	7600 lbs
		liquid, UN 1230	

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION. A.J. Signed SIGNATURE



Flammable placards required



TOLUENE SULFONIC ACID

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No. of Units & Container Type	HAZ	Description and Classification	Total Quantity
20 DRUMS		Toluene sulfonic acid, liquid,	8000 lbs
		corrosive material, UN2584,	
		DOT-E-6800-55	

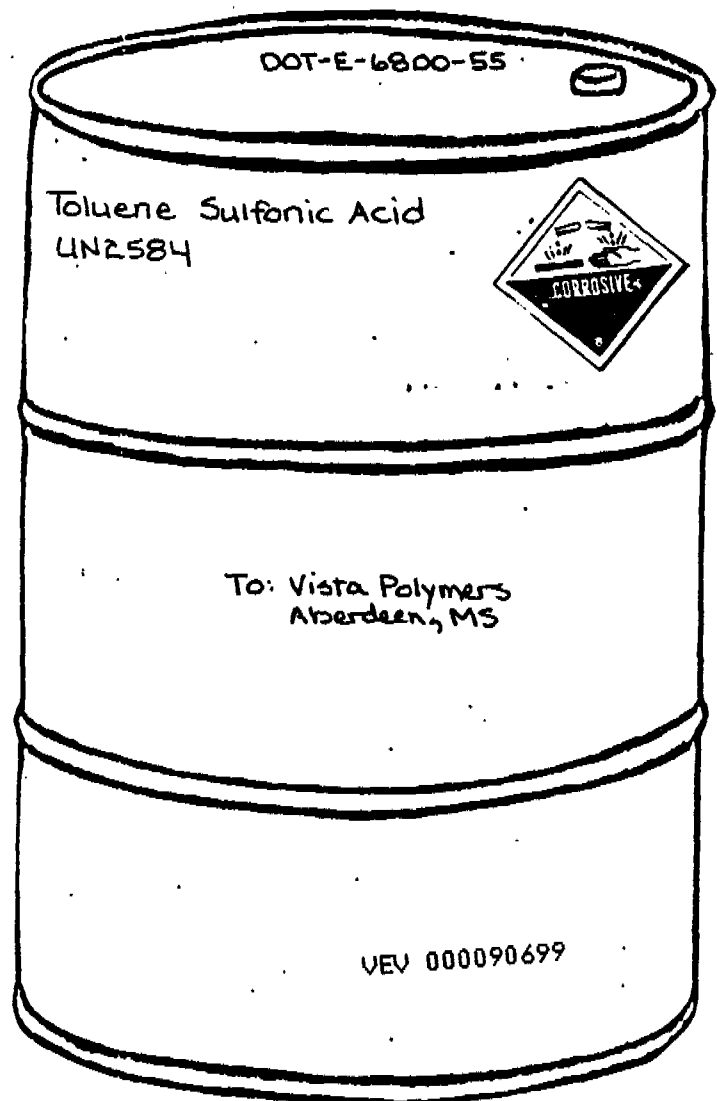
THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

Q. J. Signed SIGNATURE



Corrosive
placards required

NOTE: This shipment is being made under an exemption granted by DOT. The shipping papers must bear the notation "DOT-E" followed by the exemption number. In addition, a copy of the exemption must accompany the shipment.



COMBUSTIBLE STABILIZERS

No. of Units & Container Type	IBI	Description and Classification	Total Quantity
12 TOTES		Combustible liquid, n.o.s.	42,000 lbs
		NA 1993	

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

A.J. Signed

SIGNATURE



Combustible placards are required if shipped with other materials having different hazard classes.

Combustible placards with the identification number 1993 is required if only this material is contained within the transport vehicle.

