

July 1, 2008

SAFETY NEWS



**U.S. Department
of Transportation**

Pipeline and
Hazardous Materials
Safety Administration

Advisory Guidance: Offering, Accepting, and Transporting Ethanol and Gasoline/ Ethanol Fuel Blends

The Pipeline and Hazardous Materials Safety Administration (PHMSA) is *alerting shippers and carriers* of the proper shipping names and identification numbers (ID) for fuel blends composed of ethanol and gasoline, as published in Title 49, Code of Federal Regulations, Parts 171-180 (HMR).

The following chart is provided as guidance in identifying proper shipping names and identification numbers for Ethanol, Gasoline, and gasoline/ethanol fuel blends. Voluntary compliance began January 28, 2008.

Proper Shipping Name and ID*	Ethanol Concentrations
Gasohol, NA 1203	E1 thru E10
Gasoline, UN 1203	E1 thru E10
Ethanol and Gasoline Mixtures, UN 3475	E11 thru E99
Denatured Alcohol, NA 1987	E95 thru E99
Alcohols, n.o.s, UN 1987	E95 thru E99
Ethanol or Ethyl alcohol, UN 1170	E100

* Except for Gasohol with not more than 20% ethanol, effective compliance date for HM-218D proper shipping names and IDs is October 1, 2008.

For Gasohol with not more than 20% ethanol, the proper shipping name and ID number, Gasohol, (gasoline mixed with ethyl alcohol, with not more than 20 percent alcohol), NA 1203 may be used for US shipments only, until October 1, 2010.

Alcohols, Ethanol, and gasoline/ethanol fuel blends containing more than 10% alcohol are not considered petroleum distillate products when determining proper markings for shipments.



Sample Placarding/Marking Requirements*
 Side view of multi-compartment cargo tank carrying
 Gasoline, UN 1203; Ethanol and Gasoline Mixture, UN 3475; and
 Denatured Alcohol, NA 1987



Sample Placarding/Marking Requirements* †
 Side view of single compartment multi-use cargo tank used for Gasoline,
 UN 1203 and Ethanol and Gasoline Mixtures, UN 3475



Sample Placarding/Marking Requirements*
 Side view of railcar used for Ethanol and
 Gasoline Mixtures, UN 3475

* NOTE: Placards and ID markings are not to scale and are only representative of possible combinations.

† NOTE: For single compartment multi-use cargo tanks, 3475 Marking only displayed when material is carried in tank.

For additional information regarding Ethanol and the HMR contact:
 Hazmat INFO-LINE:1-800-467-4922 or E-mail: infocntr@dot.gov