

Minnesota Commercial Truck and Passenger Regulations

Fact Sheet

Shipping Descriptions for Ethanol/Gasoline Blends and Biodiesel Fuels

USDOT authorized Shipping Descriptions for ethanol blended motor fuels were changed in a final rule issued on January 28, 2008. The new shipping descriptions for ethanol blends are required to be used on shipping papers by October 1, 2010. USDOT revised the shipping name authorizations for Biodiesel® blended products in an interpretation letter dated February 28, 2008.

Material	Hazardous Material Description and Proper Shipping Name <i>Required 10/01/2010</i>
Gasoline with no ethanol Gasoline not more than 10% ethanol	UN1203, Gasoline, 3, PG II
Gasoline/ethanol blends with more than 10% ethanol	UN3475, Ethanol and gasoline mixture, 3, PG II
E-85 (85% ethanol, 15% gasoline and other seasonal blends)	UN3475, Ethanol and gasoline mixture, 3, PG II
Denatured alcohol or E-95 (95% ethanol, 5% gasoline)	NA1987, Denatured alcohol, 3, PG*, or UN3475, Ethanol and gasoline mixture, 3, PG II or UN1987, Alcohols, n.o.s., 3, PG*
Diesel fuel/Biodiesel blends (All blends that are hazmat)	NA1993, Diesel fuel, 3, PG III, or NA1993, Fuel Oil, 3, PG III**

Alternative shipping descriptions, beginning with the proper shipping name, are authorized until 2013.

*Packing group assignments for these materials depend on volatility. See 49 CFR 173.121 for assignments of packing groups for class 3 flammable liquids. Gasoline, gasohol, and ethanol and gasoline mixtures for use in internal combustion engines, must be assigned to Packing Group II regardless of variations in volatility.

**The USDOT Pipeline and Hazardous Materials Safety Administration has stated in an interpretation letter that all blends of fuel oil, diesel fuel, kerosene, and heating oil with Biodiesel® may be described on shipping papers with a proper shipping name that describes its intended application. For example, a blend of diesel fuel and biodiesel may be described as “Diesel Fuel” without the qualifying word “solution.”

Marking & Placarding Multi-Compartment Cargo Tanks Containing E-85 & Petroleum Fuels

(Example: Compartment #1 Gasoline, #2 Diesel Fuel, #3 E-85, #4 Gasoline.)

Option 1



**Front & Rear Placarded Flammable
(No ID Numbers)**



**Placards with ID Numbers Must Be
Displayed in Sequence on Both Sides**

Option 2



**Placards with ID Numbers
on Front and Rear**



**Placards with ID Numbers
on Both Sides in Any Sequence**

This Fact Sheet is intended as a resource. It is not intended to explain all the requirements of Minnesota or Federal law or regulations. For additional assistance contact the US DOT Pipeline and Hazardous Materials Safety Administration at 800-467-4922 or www.phmsa.dot.gov/hazmat, the Federal Motor Carrier Safety Administration at 651-291-6150 or www.fmcsa.dot.gov, or MnDOT's Office of Freight and Commercial Vehicle Operations at 651-215-6330.