

**Table 1.H3 Physical Characteristics of Biodiesel vs. Ultra Low Sulfur Diesel (ULSD)**

	<b>Biodiesel (soybean)</b>	<b>Ultra Low Sulfur Diesel</b>
Heat Content (Btu/gallon)	118,952	139,000
Flash Point (oC)	93	>52
Pour Point (oC)	0	-27
Cloud Point (oC)	2	-23
Sulfur (ppm)	0-2	<15

Sources: Heat contents: (Biodiesel) Energy Information Administration, Monthly Annual Energy Review (November 2007),. Table A3.

[http://www.eia.doe.gov/emeu/mer/pdf/pages/sec12\\_3.pdf](http://www.eia.doe.gov/emeu/mer/pdf/pages/sec12_3.pdf). (Diesel) Energy Information Administration.

[http://www.eia.doe.gov/basics/conversion\\_basics.html](http://www.eia.doe.gov/basics/conversion_basics.html). Flash point (Diesel) McCormick, Bob. National Renewable Energy Lab. Renewable Diesel

Fuels: Status of Technology and R&D Needs. [http://www1.eere.energy.gov/vehiclesandfuels/pdfs/deer\\_2002/session4/2002\\_deer\\_mccormick.pdf](http://www1.eere.energy.gov/vehiclesandfuels/pdfs/deer_2002/session4/2002_deer_mccormick.pdf)

August 2003. Flash Point (Biodiesel) Cloud Point (Diesel and Biodiesel) and Pour Point (Diesel and Biodiesel): National Biodiesel Board, Biodiesel

Cold Weather Blending Study. [http://www.biodiesel.org/resources/reportsdatabase/reports/gen/20050728\\_gen-354.pdf](http://www.biodiesel.org/resources/reportsdatabase/reports/gen/20050728_gen-354.pdf). Sulfur (Biodiesel): ASTM

Specification 6751-07b. [http://biodiesel.org/pdf\\_files/fuelfactsheets/BDSpec.PDF](http://biodiesel.org/pdf_files/fuelfactsheets/BDSpec.PDF). (Diesel) Environmental Protection Agency, Program Update:

introduction of Cleaner-burning Diesel Fuel Enables Advanced Pollution Control for Cars, Trucks and Buses EPA420-F-06-064, October 2006

<http://www.epa.gov/otaq/highway-diesel/regs/420f06064.htm>