

FS E85

Description

Ethanol is a denatured ethyl/grain alcohol commonly made from corn. Ethanol can be sustainably and domestically produced, making it a good choice for a gasoline mix. Also, due to ethanol's high oxygen content, emissions are greatly reduced. The use of ethanol blended gasoline also helps the US meet its goals for the Clean Air Act and the Renewable Fuels Standard. E85 (85% ethanol) is the highest concentration of ethanol fuel commercially available. E85 is an alternative fuel as defined by the U.S. Department of Energy.

Features and Benefits

Ethanol:

- Has superior performance characteristics compared to gasoline
- Burns cleaner than gasoline
- Is completely renewable
- Produced domestically
- Environmentally friendly
- Enhances the economy and energy independence

Blending gasoline with ethanol provides for:

- Higher octane ratings
- Detergency effect in engines and storage tanks
- Reduced emissions

Typical Properties

Physical State	Liquid
Color	Clear to yellow
Odor	Gasoline
Flash Point, °F	~ -49°F (-45°C)
Specific Gravity (water = 1)	0.76-0.79 @ 60°F (15.6°C)

Recommended Usage

E85 is recommended for use in gasoline engines specially designed to run on a high ethanol percentage, called "flex fuel". "Flex fuel" vehicles are designed to run on blends of ethanol E15-E85.

Storage and Handling

Always wear proper gloves, clothing, eye, and face protective gear when handling E85. E85 is highly flammable so keep it away from excessive heat and sources of ignition. Static electricity may ignite fuel. Store this material in a cool, dry, well-ventilated area only in approved containers. Outdoor storage is possible, and indoor storage should meet OSHA standards.

Shelf Life

24 Months