

317 KLEEN BURN

Kleen Burn is a multifunctional ashless fuel additive that is specially formulated for use in all types of home heating fuel oils. Kleen Burn can be used in all types of diesel fuel including ultra low sulfur diesel fuel, low sulfur diesel fuel and biodiesel blends.

Kleen Burn contains a highly concentrated multi-functional additive package, which provides the following benefits when used at the recommended treatment ratio:

PERFORMANCE

- Improved combustion of the fuel to insure a more complete burn.
- Increased BTU content due to improved combustion, thus providing more heat per gallon.
- Up to 4% increase in combustion efficiency.
- Reduced emissions exhaust smoke, particulates and black smoke.
- Less heat transfer loss.

DEPOSIT PROTECTION

- Detergency to provide cleanliness throughout the entire system.
- Dispersion of insoluble gums and resins present in low quality fuels.
- Modification of existing burner nozzle deposits, allowing for their removal and safe passage into the firebox where they are burned.
- Increased firebox cleanliness.
- Significant reductions in soot build-up and heat robbing deposits.

STORAGE

- Inhibition of oxidation of the fuel during storage.
- Dispersion of water present in the fuel in order to prevent icing and other problems associated with water.
- Prevention of the formation of stable fuel-water emulsions.
- Extended storage stability.
- Rust and corrosion protection for the entire fuel system.
- Longer fuel system life.

Better Protection from Water Contamination

HydroShield is a non-alcohol jet fuel deicer/water dispersant which eliminates the problems associated with entrained and/or dissolved water present in the fuel by dispersing the water into tiny droplets. These tiny droplets are suspended in the fuel so they can be carried with the fuel in controlled amounts through the fuel filters, fuel lines, and into the combustion chamber to be burned with the fuel. Because the remaining water is dispersed and suspended in the fuel, Kleen Burn prevents the formation of stable fuel-water emulsions.

Increased Lubricity Protection with SynShield®

Diesel engine designs are employing the use of higher fuel injection pressures, hotter fuel return temperatures, higher operating temperatures and complex engine geometry to control emissions. All of these factors result in increased fuel system wear and can shorten engine life. SynShield® technology increases lubricity and provides:

- Non-acidic, full synthetic ester chemistry
- Reduced pump and injector wear
- Non-metallic, ashless, phosphorus free

Bulk Treatment Ratio

One gallon of Kleen Burn to 1,000 gallons of diesel fuel.

For hard to treat fuels use one gallon of Kleen Burn to 750 gallons of diesel fuel.

NOTE: Store product 15 degrees above its pour point.

Kleen Burn is registered for use and meets the US EPA requirements for blending into low sulfur and ultra low sulfur diesel fuels. When used at the recommended treatment ratio, Kleen Burn will not have any measurable effect on the calculated cetane index or aromatic and sulfur content of the diesel fuel.

THIS DIESEL FUEL ADDITIVE CONTAINS LESS THAN 15PPM OF SULFUR AND COMPLIES WITH THE FEDERAL LOW SULFUR CONTENT REQUIREMENTS FOR USE IN DIESEL MOTOR VEHICLES AND NON-ROAD ENGINES.

THIS DIESEL FUEL ADDITIVE IS COMPATIBLE AND APPROVED FOR USE WITH DIESEL FUELS THAT MEET ASTM D975 AND BIODIESEL THAT MEETS ASTM D6751 AND BIODIESEL THAT MEETS EN 14214.

TYPICAL PROPERTIES

Specific Gravity	0.884
Flash Point °F/°C PMCC (ASTM D93)	126°/52°
Pour Point °F/°C (ASTM D97)	-31°/-35°
Ash Content %wt. (ASTM D482)	0
Copper Strip Corrosion Test (ASTM D130)	1a
Sulfur Content (ASTM D7039)	<15 ppm