

410 Hi-Flame™ Fuel Stabilizer

Diesel Fuel, Burner Fuel, Fuel Polishing & Tank Cleaning Stabilizer

DESCRIPTION:

Today's users of diesel fuel and burner fuels have an increased awareness of the need to achieve maximum efficiency of fuels they use, to meet community pollution control standards, and to reduce costly maintenance, cleanouts, downtime and equipment replacements.

410 Hi-Flame™ is a multi-functional fuel stabilizer, fuel polishing and tank cleaning additive which offers specific treatment for every aspect of diesel fuel and burner fuels consumption from storage to combustion to emissions.

COMPOSITION:

The effectiveness of the group of compounds in 410 Hi-Flame™ has been demonstrated by substantial efficiency gains in overall fuel performance and in fuel consumption. This product contains the following:

- Detergents
- Combustion Catalysts
- Dispersants
- Emulsifying Agents
- Penetrants
- Metal Deactivators
- Corrosion Inhibitors
- Deposit Control Agents
- Rust Inhibitors
- Soot control Agents

410 Hi-Flame™ Fuel Stabilizer is a complete diesel fuel, burner fuel, fuel polishing and tank cleaning additive with the components required to prevent the problems associated with all fuel oils including diesel fuel as well as No. 2 through No. 6 Bunker C residual oils, used oils and waste oils.

PERFORMANCE CHARACTERISTICS:

410 Hi-Flame™ Fuel Stabilizer reduces the viscosity of residual fuel oils and has a fluidizing effect at all temperatures, which provides more uniform and faster pumping. Sludge and water emulsions that typically clog fuel strainers, nozzles, preheaters, and lines are dispersed throughout the fuel. This also helps eliminate the environment for bacterial or fungal growth by keeping fuel dry and clean. This product makes the organic/inorganic deposits in the fuel system and at the burners more friable. It also forms a protective film on internal surfaces of storage tanks and piping, which reduces corrosion and deposit buildup. Stratification in tanks of poorly blended fuels, or polymer-containing waste oils, or contaminated fuels, is prevented by the stabilizing effect of this product. It provides protection against cold-end and stack corrosion. 410 Hi-Flame™ has also been shown to be an excellent fuel polishing and tank cleaning additive.

410 Hi-Flame™ is a combination of concentrated compounds specifically designed for use in fuel systems where problems exist both in the storage tank and at the fireside. This product combines an effective combustion catalyst system with dispersion and corrosion control properties. It protects boiler tubes and refractory brickwork by deactivating the vanadium oxides and sodium salts that deposit on boiler tubes and walls. 410 Hi-Flame™ reduces the time required for cleaning and extends periods between shutdowns. Burner nozzles and heat transfer surfaces are kept clean for greater heat (BTU) utilization, more efficient combustion, and reduced maintenance costs. Fuel oil treated with this product burns cleaner and more completely, thereby reducing emission problems associated with particulates, sulfur dioxide and sulfur trioxide. Diesel fuel and burner fuels treated with 410 Hi-Flame™ combusts and or burns more completely, thereby reducing emission problems associated with particulates, oxides of Nitrogen, sulfur dioxide and sulfur trioxide.

410 Hi-Flame™ Fuel Stabilizer Diesel Fuel, Burner Fuel, Fuel Polishing & Tank Cleaning Stabilizer

USES:

- Shop waste oil furnaces
- Marine fuel systems
- Fuel Polishing
- Manufacturing companies with multi-fuel requirements (waste oil, natural gas, #2 or #6)
- Asphalt Plants
- Tank Cleaning
- Electric power producers
- Boiler systems
- Home heating fuel oil

BENEFITS:

- Cleans and stabilizes fuel
- Prevents corrosion
- Improves fuel stability
- Helps control emissions
- Disperses sludge, gums and varnish
- Cleans and helps keep fuel tanks clean
- Reduces need for excess air
- Provides viscosity control
- Prevents clogging of lines & nozzle
- Controls water
- Cleans diesel injectors
- Reduces maintenance costs
- Prevents soot buildup
- Reduces deposits in heaters
- Reduces firebox slag & other deposits
- Prevents tube fouling & heating transfer loss
- Increases combustion efficiency

TREATMENT:

410 Hi-Flame™ Fuel Stabilizer is a liquid concentrate that is easy to store and easy to dispense as received. It is completely soluble in all petroleum stocks and is also a superior premium diesel fuel treatment. The sulfur content of this diesel fuel additive does not exceed 15 ppm. This diesel fuel additive complies with the federal low sulfur content requirements for use in diesel motor vehicles and nonroad engines.

410 Hi-Flame™ will effectively treat No. 2 to No. 6 fuels. Treatment ratios are very economical:

1 gallon of 410 Hi-Flame™ treats 8,000 gallons of No. 2 fuel.

1 gallon of 410 Hi-Flame™ treats 2,000 gallons of No. 4 to No. 6 Bunker.

1 gallon of 410 Hi-Flame™ treats 2,000 gallons of bulk waste oil.

1 quart of 410 Hi-Flame™ treats 250 gallons of shop waste oil

1 gallon of 410 Hi-Flame™ treats 1,000 to 2,000 gallons of No. 2 Diesel for fuel polishing and tank cleaning. Higher dosages may be needed for severe bulk tank problems.

TYPICAL SPECIFICATIONS:

Flash Point, °F	116
Viscosity, SUS @ 100°F	40
Density (#/gal)	7.1 – 7.6
Pour Point, °F	-60
Color	1.0

Note: For temperatures below 32°F use 2035 Thermal Advantage if the fuel has not been treated with a winter additive.