

# Technical Data

# CLEAN BURN MAINTENANCE For Fuel Oil Furnaces

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

CLEAN BURN MAINTENANCE is a multifunctional fuel oil additive system which offers specific treatment for every aspect of fuel oil consumption from storage to combustion to emissions.

### Composition

The effectiveness of the group of compounds in CLEAN BURN MAINTENANCE has been demonstrated by substantial efficiency gains in overall heating plant operations and in fuel consumption. CLEAN BURN MAINTENANCE contains the following:

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

CLEAN BURN MAINTENANCE is a complete fuel oil 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: CLEAN BURN MAINTENANCE 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. CLEAN BURN MAINTENANCE 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 CLEAN BURN MAINTENANCE. It also provides protection against cold-end and stack corrosion,

CLEAN BURN MAINTENANCE 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. CLEAN BURN MAINTENANCE 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. CLEAN BURN MAINTENANCE 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 CLEAN BURN MAINTENANCE burns cleaner



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and more completely, thereby reducing emission problems associated with particulates, sulfur dioxide and sulfur trioxide.

### **Uses:**

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

### **Benefits:**

- Prevents corrosion
- Disperses sludge
- Prevents clogging of line & nozzle
- Cleans diesel injectors
- Prevents soot buildup
- Reduces firebox slag & other deposits
- Increases combustion efficiency
- Reduces need for excess air
- Improves fuel stability
- Helps control emissions
- Provides viscosity control
- Controls water
- · Reduces maintenance costs
- Reduces deposits in heaters
- Prevents tube fouling & heating transfer loss

### **Treatment:**

CLEAN BURN MAINTENANCE 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.

CLEAN BURN MAINTENANCE will effectively treat No. 2 to No. 6 fuels. Treatment ratios are very economical:

1 gallon of CLEAN BURN MAINTENANCE treats 8,000 gallons of No. 2 fuel.

1 gallon of CLEAN BURN MAINTENANCE treats 2,000 gallons of No. 4 to No. 6 Bunker.

1 gallon of CLEAN BURN MAINTENANCE treats 2,000 gallons of bulk waste oil.

1 quart of CLEAN BURN MAINTENANCE treats 250 gallons of shop waste oil.

# Typical Specifications: API Gravity 30.8 Flash Point, °F 116 Viscosity, SUS @ 100°F 40 Pour Point, °F -60 Color 1.0