

FUELS

## HiTEC<sup>®</sup> 4039

Home Heating Oil Additive



Supreme Ashless Heating Oil Additive For Modern Boilers

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### Key Performance Benefits

HiTEC® 4039 home heating oil additive is an ashless additive formulated with a highly effective detergent designed to give superior deposit control. The use of HiTEC® 4039 additive will allow modern burners to maintain their high level of combustion efficiency.

Improves the storage integrity of heating oil & enhances all aspects of combustion.

#### In the tank: Improved fuel cleanliness

- Reduced sediment formation
- Corrosion protection

#### In the filters: Improved filterability

- Less filter blockage
- Reduced maintenance

#### In the boiler: Improved efficiency

- Lower emissions
- Reduced soot
- Fewer deposits
- Less maintenance

#### Nozzles: Improved efficiency

- Reduced deposits
- Better spray pattern
- Improved atomisation

#### Biofuel compatible

- Prevents sediment formation in B10 fuels
- Protects against pump sticking

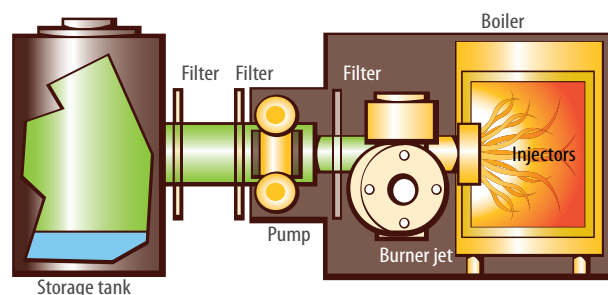
### Recommended Dosage

The recommended treat-rate of HiTEC® 4039 additive is 500 ppmv since it has been formulated for on-board additive injection. The use of HiTEC® 4039 additive allows oil companies to offer end users the choice of regular or premium heating oil quality at the point of delivery. Please contact your Afton Chemical representative for specific recommendations.

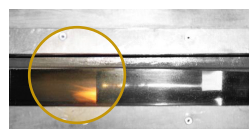
### Typical Characteristics

Appearance:	Clear light brown liquid
Density @ 15° C, g/ml:	0.918
Flash Point, C (PMCC):	61 min.
Pour point, °C:	-40 max.
Kinematic Viscosity @ 40° C, mm <sup>2</sup> /s:	4.5
Kinematic Viscosity @ -20° C, mm <sup>2</sup> /s:	22.45

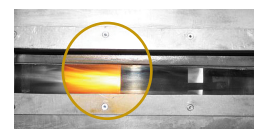
### Afton's Additives Can Help the Entire Burner System Run Smoother, Last Longer and Fuels Burn Cleaner



### Improved Efficiency at Nozzles



Flame when operated on coked nozzle



Flame when operated on clean nozzle

### Injectors Are Kept Clean & Free of Deposits

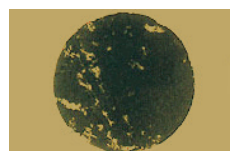


Untreated

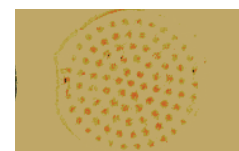


Treated

### Cleaner Filters with Less Deposits



Untreated



Treated

### Handling Information

Max Handling Temp: Ambient temperature  
Shelf Life: 18 months @ 10-40 °C