

FUELS

## HiTEC<sup>®</sup>4589

Refinery and Distribution Fuel Additive



Cold Flow Improver for Narrow Boiling Middle Distillates

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### Key Performance Benefits

HiTEC®4589 is a wax anti-settling fuel additive formulated to give optimum performance in middle distillates such as diesel fuel and heating oil and is designed to reduce the Cold Filter Plugging Point and pour point of treated fuels.

This product also contains a wax Anti-settling component which gives greater wax crystal size reduction and less wax agglomeration leading to improved low temperature operability.

HiTEC®4589 has been developed to improve the low temperature properties of narrow boiling point distillates and delivers the following benefits:

- Depresses fuel CFPP and pour point
- Modification of wax crystals to improve flow through fuel filters
- Improves low temperature operability of the fuel
- Reduces the rate of wax-settling

### Recommended Dosage

HiTEC®4589 is used to allow fuel manufacturers to cost effectively meet CFPP and Pour point specifications. The CFPP specification dominates the market and the CFPP level varies by geographic region. Treat-rate may vary depending on base fuels. However, the treat-rate should be in the range of 100 to 500 ppmv.

### Typical Characteristics

Appearance:	Yellowish to brown liquid
Density at 40°C, g/ml:	0.899
Flash Point, °C (PMCC):	55 min.
Pour point, °C:	21 max
Kinematic Viscosity at 60°C, mm <sup>2</sup> /s:	113

### Handling Information

Max Handling Temp: 55°C

Shelf Life: 24 months at ambient temperature

HiTEC®4589 should be stored at a temperature of 40-50°C. HiTEC®4589 should be blended with the fuel at a temperature >10°C above the cloud point of the fuel.

