



Technical Data Sheet

Updated: 8/23/2019

HOT SHOT'S SECRET DIESEL WINTER ANTI-GEL Concentrated Winter Fuel Booster

Product Description

Diesel Winter Anti-Gel is a concentrated winter fuel additive that provides “premium diesel” qualities to standard diesel fuels in terms of detergency, stability, lubricity, winter operability, and cetane number. The winter operability is achieved by three different chemicals. A wax modifier is used to reduce the temperature at which wax precipitation occurs by -20 °F and reduces the size of the wax particulates if the precipitation temperature is met. The wax anti-settling agent keeps the wax dispersed once the cloud point is reached and a military grade deicer is used to keep moisture from freezing and plugging up fuel filters down to -40 °F. This three-step approach greatly reduces the chance of fuel filters, lines and pumps plugging in subzero temperatures.

Applications and Uses

Diesel Winter Anti-Gel is safe and effective in all diesel engines: semi-trucks, pick-up trucks, farm equipment, and autos. These include but are not limited to Ford Power Stroke, Dodge Cummins, GM Duramax, Saab, Volkswagen, and Audi. The product is effective in #2 diesel blends up to B20. Not recommended for biodiesel blends containing more than 20% biodiesel (i.e., B100).

Benefits

- Lowers pour point to -65 °F
- Prevents fuel line freeze-ups down to -40 °F
- Military grade moisture disperant
- Boosts cetane up to 5 points
- Adds lubricity to reduce injector maintenance
- Improves fuel economy
- Maintains fuel spray pattern
- Reduces combustion noise
- Cuts emissions and black smoke
- Extends engine life
- Extends fuel storage life
- Prevents rust and corrosion in fuel system
- Improves cold starts



Diesel Winter Anti-Gel provides protection against fuel system freeze-ups and greatly improves cold temperature performance.

Directions for Use Diesel Winter Anti-Gel should be used in every fill-up during the cold winter months.

Recommended treatment rates are 1:1000 for #2 diesel

Diesel Fuel	Hot Shot's Secret Diesel Winter Anti-Gel
8 gallons	1 ounce
25 gallons	3.25 ounces
125 gallons	16 ounces

CAUTION: Use only in #2 diesel up to B20.

Minimum recommended product storage: -10 °F

Packaging Diesel Winter Anti-Gel is available in:

- 275 gallon totes / 55 gallon drums / 5 gallon containers
- 16 ounce squeeze and round bottles
- 1 quart bottles
- 4 ounce 12-pack

Typical Properties

Property or Test	Result
API gravity @ 60 °F	24.3
Viscosity @ 40 °F, CS	3.6
Flash point, °F	125
Pour point, °F max.	-45
Appearance	Hazy amber liquid

The Safety Data Sheet is available at

<https://www.hotshotsecret.com/print-documents/>.