



Technical Data Sheet

Updated: 9/22/2022

HOT SHOT'S SECRET EDT PLUS WINTER DEFENSE Concentrated Winter Fuel Booster

Product Description

EDT Plus Winter Defense 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. This formula contains all of the 6 in 1 benefits of EDT with LX4, the most powerful lubricity agent on the market, along with cold flow technology. The winter operability is achieved by three different chemicals. A Cetane Improver increases cold starts by improving the efficiency of the combustion process. 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. 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 and greatly improves cold winter operability of your vehicle.

Applications and Uses

EDT Plus Winter Defense is safe and effective in all diesel engines: semi-trucks, pick-up trucks, farm equipment, and automobiles. 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 dispersant
- Boosts cetane up to 5 points
- Reduces wear scar up to 31% (11% more than the closest competitor)
- 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



EDT Plus Winter Defense provides protection against fuel system freeze-ups and greatly improves cold temperature performance.

**Directions
for Use**

EDT Plus Winter Defense should be used in every fill-up during the cold winter months.

Recommended treatment rates are 1:1600 above 32°F and 1:800 below 32°F for #2 diesel.

Diesel Fuel	Hot Shot's Secret EDT Plus Winter Defense	
	Above 32°F	Below 32°F
12.5 gallons	1 ounce	2 ounces
25 gallons	2 ounces	4 ounces
100 gallons	8 ounces	16 ounces
150 gallons	12 ounces	24 ounces

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

Minimum recommended product storage: 0 °F

Packaging

EDT Plus Winter Defense is available in:

- 8 ounce bottle
- 32 ounce bottle
- 1 gallon jug
- 5 gallon jug
- 55 gallon drum
- 275 gallon tote

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