

Product Information



FPS Cold Weather Plus & Cold Weather Plus LT

(Product # 31014 & 31214 LT)

FPS Cold Weather Plus was specifically formulated to provide cold weather protection when used in ULSD (Ultra Low Sulfur Diesel) and biodiesel blends up to B-20 (see note below). Current refining processes used to remove sulfur from diesel fuel may reduce the fuels ability to provide adequate cold weather performance and lubricity protection. *FPS Cold Weather Plus* provides valuable cold flow and anti-icing protection to improve the fuels cold weather characteristics. *FPS Cold Weather Plus LT* has the same amount of active ingredients in a formulation that allows easier handling of the neat product at low temperatures.

FPS Cold Weather Plus contains an advanced lubricity package to protect high pressure common rail injection systems used on modern diesel engines. This product provides protection for critical components and reduces premature failure by enhancing the lubricity of ULSD.

Advanced Anti-Icing Technology:

FPS Cold Weather Plus de-ices water and keeps it from freezing, which allows it to move through the system and combust with the fuel, rather than forming ice crystals which can plug filters. This product contains no alcohol.

Cold Flow / Wax Modifiers

FPS Cold Weather Plus modifies the shape and size of wax crystals when it is added to diesel fuel before it reaches the cloud point. Wax particles are surrounded and dispersed, which keeps them from bonding. This allows wax particles to pass through the system to be consumed in the combustion process providing valuable energy benefits. At the recommended treat ratio this product will typically lower cold filter plug point (CFPP) to 15°F - 25°F below the cloud point. The amount of # 1 diesel blending required for winter operation is hence reduced or eliminated. Reducing the amount of blending with #1 diesel saves money in two ways: #1 is significantly more expensive than # 2 diesel and # 1 diesel contains approximately 8% less energy per gallon.

Benefit Summary:

- ✓ Lubricity to increase the life of critical fuel injection system components
- ✓ Less fuel icing and reduced formation of ice crystals.
- ✓ Deters formation of large wax particles.
- ✓ Typically lowers CFPP to 15°F - 25°F below cloud point at the recommended treat rate.
- ✓ Reduces or eliminates blending with # 1 diesel.
- ✓ Store *FPS Cold Weather Plus* at 0° or above

Recommended Treatment Ratio:

One gallon of *FPS Cold Weather Plus* treats 1500 gallons of diesel fuel.

One Gallon of *FPS Cold Weather Plus LT* treats 1000 gallons of diesel fuel.

Biodiesel blends up to B20 (20%) - One gallon *FPS Cold Weather Plus* treats 1000 gallons.

NOTE: Higher concentrations of biodiesel may require adjusted treat ratio for desired winter performance. Biodiesel performance is dependant on the type of feedstock used to produce B-100 (neat biodiesel). Biodiesel is produced with animal, vegetable, and biomass feedstock. While biodiesel use can be challenging during the winter, certain types of feedstock may have properties making their use extremely unreliable for cold weather conditions. **FPS strongly recommends** that users of biodiesel verify the type of biodiesel feedstock and understand the winter performance characteristics of the chosen feedstock before use.

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1-888-577-FUEL (3835)

The sulfur content of this additive does not exceed 15 PPM.