

PRODUCT DATA SHEET



DIEFUEL CONCENTRATE **DIESEL FUEL CONDITIONER** **ALL IN ONE**

PRODUCT DESCRIPTION

WHAT IS IT?

DIEFUEL is a liquid treatment that makes diesel fuel last longer, start quicker, give more power and emit fewer exhaust byproducts. This is because it causes better volatilization at the injector tips and gets combustion from otherwise unburned portions. DIEFUEL is a unique blend of hydrocarbon solvents and petroleum distillates and, being completely miscible, becomes an integral part of the fuel receiving it. A new formulation makes DIEFUEL a complete conditioner. It will do all the above plus re-liquefy jelled fuel, de-ice frozen fuel lines and filters, with a pro-active biocide, kill microbial growth.

HOW DOES IT WORK?

DIEFUEL performs several functions in the engine. It is designed not to change the specification of the fuel. Rather, it improves fuel volatilization under all conditions and improves the fuel's mixture's basic combustibility for better ignition, especially under adverse conditions (as when, given a low load and/or low speed, there is insufficient heat to get proper combustion of otherwise untreated fuel.) Moreover, DIEFUEL helps minimize carbon buildup on ports and chambers, and it diminishes the smoking that occurs under those adverse conditions. Further, it cleans injector passages and aids in preventing deposit buildup on tips.

HOW DO YOU USE IT?

Add the DIEFUEL conditioner directly in with the diesel oil, either in the vehicle or equipment tank or in the bulk storage tank. For the first full tank use, 1 oz of DIEFUEL per 6 or 7 gallons of diesel oil. (Under the metric system, 1 cubic centimeter of DIEFUEL per 230 to 250 liters of diesel.) Subsequently, use a

ratio of 1 part (DIEFUEL): 1000 parts (Fuel). Inadvertently, adding too much DIEFUEL will cause no adverse effects. To re-liquefy jelled diesel fuel add 32 ounces (0.946 liters) to 30 gallons of fuel. To de-ice a frozen fuel filter, remove filter, fill with Diefuel and replace the filter and start engine. Gasoline same rate applies.

WHAT DOES IT DO?

DIEFUEL causes the fuel to become slightly more volatile and burn more readily and thoroughly, regardless of the quality of the fuel itself. This gets faster starting, more power and greater distance per gallon than with untreated fuel. The improved efficiency comes from the way the conditioner makes the fuel more combustible so that engines use up less fuel while producing the same amount of energy and create fewer combustion waste byproducts. Moreover, for most winter starting ether sprays can be avoided.

WHAT ARE THE RESULTS?

Vehicles treated with DIEFUEL use much less motor oil. With treated fuel you will see generally improved engine performance within the first two or three hours of operating an engine in good condition. For an engine having high hours of use, or being subjected to severe operating service, full results will be noticeable within 15 hours. An operator or driver will quickly perceive when DIEFUEL's substantial and obvious effects begin to show improvements in the way equipment runs. Truckers who use treated fuel will hold higher speed on hills and need fewer downshifts.

TO ORDER OR FOR ADDITIONAL INFORMATION

QUALITY WITHOUT QUESTIONS!

SENTINEL LUBRICANTS CORP.
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PRODUCT DATA SHEET (continued)



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WHAT ARE THE ADVANTAGES OF DIEFUEL?

The DIEFUEL diesel oil conditioner is an environmentally responsible approach to fuel economy and conservation. It will: -
make fuel last longer

- | | | |
|---|---|--|
| - boost power | -contains cold flow | - reduce smoke |
| - give faster starting | -Minus 60°F below 0 pour point | - improves mileage |
| - promote cost savings | -increase centane number | - inhibit carbon buildup |
| - allow smoother ignition | -dispenses insoluble gums | - help lower maintenance costs |
| - increase combustion efficiency | -reduces exhaust emissions | - lessen wear on starting components |
| -Prevent formulative of stable fuel-water emulsions | -improve fuel thermal and storage stability | -reduction of fuel's cold filter plugging port |

COMBUSTION EFFICIENCY

DIEFUEL treated fuel goes further. The conditioner lets you get extra use from your fuel by helping to burn what otherwise would go up in smoke, fumes and combustion byproducts. Your engine's cleaner, quicker combustion and improved, smoother performance are measurable results of DIEFUEL diesel fuel treatments.

POLLUTION

Less smoke and exhaust are possible when diesel fuel it is treated with DIEFUEL, an especially important consideration for engines, which operate in, enclosed areas, as do buses in passenger terminals.

COLD WEATHER STARTS

With the DIEFUEL conditioner in the fuel it is unlikely you will need to spray with ether. Increased combustibility is a DIEFUEL attribute, which will result in less, wear on starting components.

LOW SPEED, LOW LOAD CONDITIONS

Adverse operating restrictions, which do not allow untreated fuel to generate enough heat for proper combustion, are less of a problem for DIEFUEL users because the treatment improves fuel volatility and combustion.

MAINTENANCE

Because fuel treated with DIEFUEL leaves fewer combustion byproducts, maintenance needs are reduced. Diefuel adds lubricity to low sulfur fuels keeping injectors clean. Ports and combustion chambers do not carbonize as readily, and starting mechanisms get less wear.

ECONOMY AND SAVINGS

Fuel with DIEFUEL burns better, combustion per unit of fuel improves, and the fuel supply last longer. Engines having consumption measuring devices will show early and accurate indications of savings. In addition to lowered fuel usage, when you use DIEFUEL conditioner, economies will be evident from less maintenance, overhauls, upkeep and repairs.

PIN #

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