



## MEGASEL

### Diesel Fuel System Treatment – New, Highly Concentrated formula with METALON

#### INFORMATION and ASTM/ENGINEERING DATA

**MEGASEL DIESEL FUEL SYSTEM TREATMENT**, now with **METALON**, is a new and improved hydrocarbon complex that is used to maintain distillate fuel in a sludge-free stabilized condition. **MEGASEL** arrests many of the problems related to storage, transportation and combustion of fuels used in diesel turbines, fuel-oil burning boilers, steam generators and internal combustion engines.

Diesel fuel stability is adversely affected by the widespread practice of blending fuels from different sources. Fuel degradation is accelerated causing sludge and bacteria formation and reduced combustibility. Sticking fuel injectors, contaminated fuel lines, filters and pumps waste costly fuel, reduce operating efficiency and increase maintenance costs. The problems of corrosion, rust, acid formation and water damage are also prevalent in diesel fuel systems.

**MEGASEL DIESEL FUEL SYSTEM TREATMENT** incorporates the quality multi-functional components required to efficiently arrest the inherent problems noted. In addition, **METALON** bonds chemically with the metal component molecules, forming a microscopic, monomolecular friction-reducing, wear resistant shield that **will not drain off**. The **burnishing action** of **METALON** produces a more precise metal-to-metal fit that increases component life. The efficiency of the critical fuel injectors is substantially enhanced, maintaining consistent spray patterns and accurate fuel metering. Upper cylinders are lubricated. Cold weather 'gelling' is also retarded. Water droplets a great potential hazard when locked in suspension are emulsified (broken up) and allowed to pass through the system efficiently. **MEGASEL** is virtually ashless (contains no in-organics or metallics), is compatible with most hydrocarbon fuel stocks and is non-extractable. **MEGASEL** dissolves carbon deposits, reduces black smoke and other emissions considered harmful to the environment. **MEGASEL** components comply with the EPA regulations listed in the Additives Manufacturer Notification, form EPA(DUR)365.

**MEGASEL DIESEL FUEL SYSTEM TREATMENT**, when used continuously as directed, helps to:

- |                               |                             |                                  |
|-------------------------------|-----------------------------|----------------------------------|
| > CLEAN AND PROTECT INJECTORS | > LUBRICATE UPPER CYLINDERS | > FREE STICKY VALVES             |
| > PREVENT FUEL SYSTEM ICING   | > KEEP FUEL SYSTEM CLEAN    | > ARREST SYSTEM RUST / CORROSION |
| > ELIMINATE CARBON DEPOSITS   | > IMPROVE FUEL COMBUSTION   | > NEUTRALIZE ACIDS               |
| > REDUCE BLOW-BY DILUTION     | > SPEED SUB-ZERO STARTS     | > PREVENT SLUDGE FORMATION       |
| > REDUCE EXHAUST EMISSIONS    | > CONTROL CONDENSATION      | > RETARD BACTERIAL GROWTH        |
|                               |                             | > IMPROVE POWER AND ECONOMY      |

#### INSPECTION DATA:

(According to ASTM Specifications)

| DESCRIPTION                                      | ASTM METHOD | TEST RESULTS     |
|--------------------------------------------------|-------------|------------------|
| Specific Gravity @ 60 °F (15 °C)                 | D-1298      | 0.8418           |
| Gravity A.P.I. @ 60 °F (15 °C)                   | D-1298      | 36.6             |
| Viscosity SUS<br>@ 100 °F (37.7 °C)              | D-88        | 31.5 (1.7 cSt)   |
| Colour                                           | D-1500      | 1-Light Amber    |
| Appearance                                       | D-1500      | Bright and Clear |
| Flash Point °F (°C) (PM Closed Cup)              | D-93        | 70 (21)          |
| Cloud Point °F (°C)                              | D-97        | 00.0 (.17)       |
| Pour Point °F (°C)                               | D-97        | -90 (-67)        |
| B.T.U. per Gallon                                | D-1405      | 168,304          |
| Sulfur Content (% by weight)                     | D-1266      | 0.04             |
| BS W., Water, Sediment (% by volume)             | D-96        | 0.0.0.           |
| Rust Test (Synthetic Sea Water)                  | D-665       | Pass             |
| Corrosion Test, Copper Strip<br>@ 212°F (100 °C) | D-139       | 1a – Pass        |

#### DIRECTIONS:

**MEGASEL** should be added before filling the tank to aid blending, especially if there is no agitation.

#### Initial Treatment:

Add 20 mL of **MEGASEL** to every 40 litres of No. 1 and No. 2 diesel fuel to clean and prime the system.

#### Regular Treatment:

Add 10 mL to every 40 litres. For No. 3 to No. 6 fuels, **double or triple treatment**, respectively.

#### CAUTION:

**MEGASEL** is flammable. Keep away from open flame or spark. It contains petroleum distillates. If swallowed, **DO NOT** induce vomiting. Call a physician immediately.

NOTE: The information and data presented herein are based on tests, reports and research we believe to be accurate and reliable. The information and data are provided without warranty, guarantee or liability on our part and are therefore, provided to customers for their own investigation, verification and consideration.

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