



DIESEL GUARD™ DETERGENT (DGSS) NON-WINTERIZED

Diesel Guard™ Detergent contains a new and unique detergent chemistry formulated to remove and prevent the formation of fuel system deposits including power robbing Internal Diesel Injector Deposits (IDID) as well as external tip deposits. Diesel Guard™ Detergent formulates a high-performance diesel fuel that can prevent injector sticking and fouling in all types of diesel fuel systems including deposit prone High-Pressure Common Rail (HPCR) injectors. Diesel Guard Detergent meets/exceeds DW-10 and XUD-9 performance standards at primary treat rates.

Diesel Guard™ Detergent is documented to keep injectors, combustion chambers and fuel filters cleaner. The result of a cleaner fuel system can lead to restored/improved fuel economy, lower maintenance costs and maximized engine performance.

Fully formulated Diesel Guard™ Detergent contains VT101™ lubricity improver, stabilizer, dispersant & additional Corrosion Guard (CG Technology) corrosion inhibitor to help improve performance, reduce down time, lower maintenance costs and provide better operation of equipment. It also helps extend the shelf life of the fuel for longer term storage. This concentrated formula reduces inventory, requires less handling and offers an economical treat cost.

FEATURES AND BENEFITS

- **Cleans up Internal Diesel Injector Deposits (IDID) and external tip deposits. Prevents sticky and fouled injectors.**
- **Meets DW10 and XUD9 performance tests at the primary treat rate.**
- **Cleans up and prevents “asphaltene” deposits to prevent premature fuel filter plugging.**
- **Documented to improve / restore fuel economy up to 7.3% based on cleanup of injector and fuel system deposits.**
- **Helps Increase fuel filter life.**
- **Helps increase particulate trap filter life. Helps extend particulate trap regeneration intervals.**
- **Restores lost power and performance.**
- **Additional Corrosion Guard (CG Technology) helps prevent corrosion and protect against rust.**
- **VT101™ improves lubricity. Prevents premature wear of fuel injectors and pumps. Reduces downtime and lowers maintenance costs.**
- **Helps improve thermal and storage stability beyond industry standards.**
- **Stabilizes fuel to reduce sludge formation, extend shelf life of fuel and extend fuel filter life.**
- **Primary Treat Rate 1:5000, Maximum Treat Rate 1:1000.**



PRODUCT DATA SHEET

DIESEL GUARD™ DETERGENT (DGSS) NON-WINTERIZED

APPLICATIONS

This diesel additive can be used to improve the quality of high sulfur, low sulfur and ultra-low sulfur diesel fuels. It can also be used to treat biodiesel blends. Typical applications include fleets, farms, construction, power generation, and all other heavy-duty diesel applications.

BLENDING RECOMMENDATIONS

Product should be added to the fuel transport or storage tank prior to adding fuel. Storage tank should have a 20% heel of fuel and be free of excess water and/or sludge.

<u>Treat Rate</u>	<u>Detergency</u>
1:5000	Clean Up/Keep Clean
1:3000	Clean Up
1:2000	Rapid Clean Up

Maximum Dosage: Dosage for this product should not exceed 1 gallon per 1000 gallons of diesel fuel. Additive performance depends on the specific fuel being treated and should be determined by laboratory testing prior to use.

SAFETY PRECAUTIONS

When handling this product, persons should exercise caution and wear protective goggles, gloves and clothing. See cautions indicated in the corresponding Safety Data Sheet before handling and storing this product.

WARRANTY

We guarantee this product to comply with our published specifications. Since the use of this product is beyond our control, we disclaim responsibility for its performance, handling, use, storage, the results obtained, or any injury of any nature resulting there from. Product warrantee and seller's obligations apply only to replacement of product. Seller assumes no liability for any claim or loss of any other kind. In no event shall seller be liable for indirect punitive, special or consequential damages or expenses. Any warrantee claim shall be governed by and construed in accordance with the laws and jurisdiction of the State of Illinois.

TYPICAL SPECIFICATIONS

Color (ASTM D1544)	9
Specific Gravity @ 68° F (ASTM D891)	0.9138
Density, lbs./gal. (Calculated)	7.63
Flash Point °F, TCC (ASTM D3278)	127
Additive Pour Point °F (ASTM D97)	<-50
Viscosity @ 70° F cP (Brookfield)	22.02

The sulfur content of this diesel fuel additive does not exceed 15 ppm.

 **Warning:** Cancer –
www.p65warnings.ca.gov

PACKAGING

Available in bulk, 300 gal. totes, 55 gal. drums.