



## DIESEL GUARD™ SUPREME WINTER (DGSW)

### ANTIGEL / DEICER

Diesel Guard™ Supreme Winter contains VT330A™ cold flow improvers, a proprietary Heavy Wax Modifier (HWM) and a wax crystal modifier synergist. It is specially formulated to improve the overall winter operability of today's higher wax content, hard to treat high diesel fuels with or without mandated biodiesel blends. It significantly reduces the need to utilize kerosene blending.

"SMART" Deicer is a non-alcohol proprietary deicer designed to lower the freeze point of entrained water in storage as well as saddle tanks. Our goal is to get the icing point of the entrained moisture in your fuel below the CFPP. This keeps ice crystals from plugging the fuel filter, keeping the vehicle running at sub-zero temperatures. Diesel Guard™ delivers more deicer than the competition.

Contains a new and unique detergent chemistry designed to remove and prevent the formation of Internal Diesel Injector Deposits (IDID) as well as external tip deposits. Fully formulated Diesel Guard™ Supreme Winter contains additional cetane Improver, VT101™ lubricity improver, stabilizer, dispersant & additional Corrosion Guard (CG Technology) corrosion inhibitor to help 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.

#### FEATURES AND BENEFITS

- Helps prevent gelling & icing.
- Significantly reduces the pour point and cold filter plug point (CFPP) of today's diesel fuels and blends.
- Contains a Heavy Wax Modifier (HWM) and wax anti-settling protection for better cold weather operability.
- Reduces the freeze point of entrained water to as low as -50° F. "SMART" Deicer technology treats storage tanks as well as saddle tanks helping to prevent fuel filter icing.
- Reduces need for costly, BTU robbing No. 1 / Kerosene blending.
- Cleans up Internal Diesel Injector Deposits (IDID) and external tip deposits. Prevents sticky and fouled injectors and "asphaltene" deposits.
- Meets/Exceeds DW-10 & XUD-9 performance standards at primary treat rates.
- Documented to improve / restore fuel economy up to 7.3% based on cleanup of injector and fuel system deposits. Restores lost power and performance.
- Restores fuel filter and particulate trap filter life.
- VT101™ improves lubricity. Prevents premature wear of fuel injectors and pumps. Reduces downtime and lowers maintenance costs.
- Contains cetane. Provides easier starting, faster warm-ups, less smoke and reduced exhaust emissions.
- Additional Corrosion Guard (CG Technology) corrosion inhibitor helps prevent corrosion and protect against rust.
- Stabilizes fuel to reduce sludge formation. Protects thermal stability.
- Primary Treat Rate 1:1500, Maximum Treat Rate 1:500



# PRODUCT DATA SHEET

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### APPLICATIONS

This diesel additive can be used to winterize and improve the quality of high sulfur, low sulfur and ultra-low sulfur diesel fuels. It can also be used to help winterize biodiesel blends. Typical applications include fleets, farms, 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>	<u>Cold Temperature Operability</u>
1:1500	Keep Clean/Clean Up	Normal
1:1000	Clean Up	Normal to Severe
1:750	Rapid Clean Up	Severe
1:500	Rapid Clean Up	Maximum Dosage

Maximum Dosage: Dosage for this product should not exceed 1 gallon per 500 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) .....	11
Specific Gravity @ 68° F (ASTM D891) .....	0.8922
Density, lbs./gal. (Calculated).....	7.43
Flash Point °F, TCC (ASTM D3278) .....	118
Additive Pour Point °F (ASTM D97) .....	-30
Viscosity @ 68° F cP (Brookfield) .....	4.62

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

**Warning:** Cancer –  
 [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

### PACKAGING

Available in bulk, 300 gal. totes, 55 gal. and 2.5 gal. containers.