



DIESEL GUARD™ HIGH PERFORMANCE ANTIGEL DEICER SPECIAL I DIESEL FUEL ADDITIVE (AGPSPCI)

Diesel Guard™ High Performance Antigel Deicer Special I is formulated to provide "extra performance." It contains VT330A™ cold flow improvers, a proprietary Heavy Wax Modifier (HWM), wax anti-settling protection, 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 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 formulated to lower the freeze point of entrained moisture in storage as well as saddle tanks. Our goal is to get the icing point of the entrained moisture in the fuel below the CFPP. This prevents ice crystals from plugging the fuel filter, and helps keep the vehicle running at sub-zero temperatures. Diesel Guard™ delivers more deicer than the competition.

This product is formulated for high performance, economical winterization of diesel fuels. It is perfect for fleets, truck stops, card locks and other diesel applications where winter performance is needed but added cost is of concern. A low additive pour point makes it ideal for outside 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 bio-blends.
- Contains up to 25% more active cold flow ingredients than competitive products.
- Contains multiple EVA polymers, Heavy Wax Modifier (HWM), proprietary synergist, and wax anti-settling protection for better cold weather operability.
- "SMART" Deicer™ technology treats storage tanks as well as saddle tanks helping to prevent fuel filter and fuel line icing.
- Contains double deicer and up to 5 times the deicer as competitive products.
- Reduces the freeze point of entrained water to as low as -50° F.
- Reduces the need for costly No. 1 / Kerosene blending.
- Improves fuel economy versus BTU robbing No. 1 / Kerosene blending.
- Helps prevent corrosion.
- Low additive pour point makes it ideal for outside storage.
- Low treat cost per gallon for maximum winter protection.
- Perfect for fleets, truck stops, card locks, construction, agriculture, and other diesel applications.
- Primary Treat Rate 1:1500, Maximum Treat Rate 1:375



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 winterize soy based 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>Cold Temperature Operability</u>
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1:1500	Normal
1:750	Normal to Severe
1:500	Severe
1:375	Maximum Dosage

Maximum Dosage: Dosage for this product should not exceed 1 gallon per 375 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 sellers 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) 1
Specific Gravity @ 68° F (ASTM D891).....0.896
Density, lbs./gal. (Calculated)7.65
Flash Point °F, TCC (ASTM D3278).....105
Additive Pour Point °F (ASTM D97) -30
Viscosity @ 68° F cP (Brookfield)4.75
The sulfur content of this diesel fuel additive does not exceed 15 ppm.

PACKAGING

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