



# FUEL ADDITIVES PRODUCT CATALOG



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# BIOGUARD® ULS FUEL BIOCIDES



TANK MAINTENANCE

**BIOGUARD ULS (BGDULS) FUEL BIOCIDES** is an EPA registered, fuel- and water-soluble, dual-phase microbiocide that effectively kills bacteria, fungi and other microorganisms that grow in diesel fuel, biodiesel blends and heating oil storage tanks. It also helps prevent fuel system contamination from new growth. BioGuard ULS has an industry-leading kill time of 2-3 hours.

*Untreated diesel fuel is highly susceptible to bacterial growth which can lead to clogged filters/injectors and reduce the combustibility of diesel fuel.*

BioGuard ULS can kill existing bacteria colonies and be used in association with ValvTect's Tank Maintenance Program as a proactive way to address biological contamination before it causes maintenance issues.

## THIS PRODUCT CAN HELP PREVENT

- ☒ Filter and fuel line plugging
- ☒ Costly equipment downtime
- ☒ Sludge and slime build-up in systems components
- ☒ Corrosion and premature breakdown of system components

## APPLICATIONS

BioGuard ULS is effective at controlling the growth of bacteria and other microorganisms that breed in all types of diesel fuel. These microorganisms threaten the integrity of diesel fuel which can lead to costly downtime and repairs.

## BLENDING RECOMMENDATIONS

BioGuard ULS can be added to the fuel in bulk storage tanks or directly into equipment fuel. Store BioGuard ULS at a temperature above 70°F to avoid solidification of additive. If solidification does occur, bring BioGuard ULS back up to temperature above 70°F before adding to fuel.

BioGuard	Kill Treatment Ratio	Maintenance Treatment Ratio
1 oz	28 gal	58 gal
16 oz	460 gal	920 gal
32 oz	920 gal	1,840 gal
1 gal	2,500 gal	7,400 gal



# BIOGUARD® PLUS 6 DIESEL BIOCIDES



TANK MAINTENANCE

**BIOGUARD PLUS 6 (BGDP6) FUEL BIOCIDES** is a unique EPA registered, fuel- and water-soluble, dual-phase microbicide that effectively kills bacteria, fungi and other microorganisms that grow in all diesel fuel and biodiesel blends. BioGuard Plus 6 contains stabilizer, moisture dispersant, corrosion inhibitor, detergent, cetane improver, and VT101™ Lubricity Enhancer, working together to significantly improve heavy-duty diesel performance.

*Untreated diesel fuel is highly susceptible to bacterial growth which can lead to clogged filters/injectors and reduce the combustibility of diesel fuel.*

BioGuard Plus 6 multifunctional biocide reduces the need to use multiple additives, lowers cost, and keeps equipment operating at peak performance.

## THIS PRODUCT CAN HELP PREVENT

- ☒ Filter and fuel line plugging
- ☒ Sludge and slime build-up in systems components
- ☒ Costly equipment downtime
- ☒ Corrosion and premature breakdown of system components

## APPLICATIONS

BioGuard Plus 6 is effective at controlling the growth of bacteria and other microorganisms that breed in all types of diesel fuel. All components are formulated to prevent ULSD and biodiesel related problems while increasing performance.

## BLENDING RECOMMENDATIONS

BioGuard Plus 6 can be added to the fuel in bulk storage tanks or directly into equipment fuel. To prevent microorganism growth, continuously treat all fuel deliveries with BioGuard Plus 6 at the recommended treatment dosage, and keep fuel systems free of water.

BioGuard Plus 6	Maintenance Treatment Ratio
1 oz	12 gal
32 oz	375 gal
1 gal	1,500 gal

# TANK DRI



TANK MAINTENANCE

**TANK DRI (TKDW)** is formulated to safely help reduce the high moisture content typically found in fuel storage and individual vehicle tanks. Tank Dri will help "dry out" storage tanks and fuel lines by removing controlled amounts of entrapped moisture in diesel fuel, biodiesel blends & gasoline, as well as free water in tank bottoms.

Tank Dri is a non-alcohol deicer formulated to lower the freeze point of entrained water in storage as well as saddle tanks. Tank Dri helps get the icing point of entrapped moisture below the Cold Filter Plug Point (CFPP). This keeps ice crystals from plugging the fuel filter, allowing the vehicle to run properly at sub-zero temperatures. It is a non-corrosive treatment that will not reduce the flash point of distillate fuels below ASTM or TMC specifications.

## FEATURES & BENEFITS

- ☑ Removes unwanted water from fuel system
- ☑ Prevents corrosion of fuel storage tanks, saddle tanks, fuel lines, and pump parts
- ☑ Alcohol-free
- ☑ Helps prevent conditions that promote microorganism and bacteria growth
- ☑ Reduces the freeze point of entrained water to as low as -50°F

## APPLICATIONS

This additive can be used to remove excess water/moisture from fuel storage tanks. Contains no alcohol and will not reduce the flash point of distillate fuel below ASTM or TMC specifications. Typical applications include fleets, farms, power generation, and wherever bulk diesel tanks are found.

## 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. Tank Dri should be added at least 30 days prior to initial use of antigel/deicer additives. Maximum dosage should not exceed 1 gallon per 2,500 gallons of fuel.

Treat Rate	Water Removal
1:7,500	Normal Water Level
1:3,750	High Water Level
1:2,500	Maximum Dosage



# DIESEL GUARD™ SUPREME PLUS SUMMER



DIESEL - SUMMER

**DIESEL GUARD SUPREME PLUS SUMMER (DGSP)** is a proprietary formulation to keep your fuel system performing at its peak. The unique formulation works with all diesel fuel and biodiesel blends.

## FEATURES & BENEFITS

- ☑ **Detergents:** Cleans external tip deposits and Internal Diesel Injector Deposits (IDID) extending engine life
- ☑ **Corrosion Inhibitor:** Reduces down time and lowers maintenance costs by helping prevent fuel system damage and tank corrosion
- ☑ **Cetane Booster:** Provides easier starts, less smoke and an increase of up to five numbers
- ☑ **VT101™ Lubricity Enhancer:** Prevents premature wear of fuel injectors and pumps
- ☑ **Antioxidants:** Stabilizes the fuel to reduce sludge formation

## APPLICATIONS

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

## BLENDING RECOMMENDATIONS

Diesel Guard Supreme Plus Summer should be added to the fuel transport or storage tank prior to adding fuel. Storage tanks should have a 20% heel of fuel and be free of excess water and/or sludge.

Treat Rate	Detergency	Cetane No. Increase
1:3,000	Keep Clean/Clean Up	Up to 2
1:2,000	Clean Up	Up to 3
1:1,500	Rapid Clean Up	Up to 4
1:1,000	Rapid Clean Up	Up to 5

# DIESEL GUARD™ ANTI-GEL DEICER CONCENTRATE



DIESEL - WINTER

**DIESEL GUARD ANTI-GEL DEICER CONCENTRATE (AGPW)** is a proprietary blend offering superior cold weather operability through cold flow improvers and heavy wax modifiers. These lower the cold filter plug point as well as break down and prevent wax and ice crystals from clogging filters.

## FEATURES & BENEFITS

- ✔ **VT330A™**: Alter the size of wax crystals keeping the crystals more evenly dispersed in the fuel, improving cold flow properties and cold weather performance
- ✔ **"SMART" Deicer**: Reduces the freeze point of entrained water to as low as -50°F, reducing the formation of ice crystals, preventing gelling, icing and filter plugging
- ✔ **Wax Anti-Setting Agent (WASA)**: Helps keep wax crystals suspended and prevents settling that can plug fuel lines and filters

## APPLICATIONS

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

## BLENDING RECOMMENDATIONS

Diesel Guard Anti-gel Deicer Concentrate should be added to the fuel transport or storage tank prior to adding fuel. Storage tanks should have a 20% heel of fuel and be free of excess water and/or sludge.

Concentrate Treat Rate	Cold Temp Operability
1:3,000	Normal
1:1,500	Normal to Severe
1:750	Severe
1:500	Maximum Dosage



# DIESEL GUARD™ SUPREME PLUS WINTER



DIESEL - WINTER

**DIESEL GUARD SUPREME PLUS WINTER (DGSPW)** is a proprietary formulation to keep your fuel system performing at its peak in the coldest of winter weather. The unique formulation works with ULSD and biodiesel blends reducing the need for costly No. 1 blending.

## FEATURES & BENEFITS

- ☑ **Detergents:** Cleans external tip deposits and Internal Diesel Injector Deposits (IDID) extending engine life
- ☑ **Corrosion Inhibitor:** Reduces down time and lowers maintenance costs by helping prevent fuel system damage and tank corrosion
- ☑ **VT101™ Lubricity Enhancer:** Prevents premature wear of fuel injectors and pumps
- ☑ **VT330A™:** Alters the size of wax crystals, keeping the crystals more evenly dispersed in the fuel, improving cold flow properties and cold weather performance
- ☑ **"SMART" Deicer:** Reduces the freeze point of entrained water to as low as -50°F, reducing the formation of ice crystals, preventing gelling, icing and filter plugging
- ☑ **Cetane Booster:** Provides easier starts, less smoke and an increase of up to three numbers
- ☑ **Antioxidants:** Stabilizes the fuel to reduce sludge formation
- ☑ **Wax Anti-Setting Agent (WASA):** Helps keep wax crystals suspended and prevents settling that can plug fuel lines and filters

## APPLICATIONS

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

## BLENDING RECOMMENDATIONS

Diesel Guard Supreme Plus Winter should be added to the fuel transport or storage tank prior to adding fuel. Storage tanks should have a 20% heel of fuel and be free of excess water and/or sludge.

Treat Rate	Detergency	Cetane No. Increase	Cold Temp Operability
1:1,500	Keep Clean/Clean Up	Up to 1	Normal
1:1,000	Clean Up	Up to 1.5	Normal to Severe
1:750	Rapid Clean Up	Up to 2	Severe
1:500	Rapid Clean Up	Up to 3	Maximum Dosage

# DIESEL GUARD™ SUPREME PLUS WINTER XP

DIESEL - WINTER



**DIESEL GUARD SUPREME PLUS WINTER XP (DGSWXP)** is a proprietary formulation to keep your fuel system performing at its peak in the coldest of winter weather. The unique formulation contains the highest blends of cold flow improver and wax modifiers to keep your engine running without the need for BTU-robbing No. 1 blending.

## FEATURES & BENEFITS

- ☑ **Detergents:** Clean external tip deposits and Internal Diesel Injector Deposits (IDID) extending engine life
- ☑ **Corrosion Inhibitor:** Reduces down time and lower maintenance costs by helping prevent fuel system damage and tank corrosion
- ☑ **VT101™ Lubricity Enhancer:** Prevent premature wear of fuel injectors and pumps
- ☑ **VT330A™:** Alter the size of wax crystals keeping the crystals more evenly dispersed in the fuel, improving cold flow properties and cold weather performance
- ☑ **"SMART" Deicer:** Reduces the freeze point of entrained water to as low as -50°F reducing the formation of ice crystals, preventing gelling, icing and filter plugging
- ☑ **Cetane Booster:** Providing easier starts, less smoke and reduced emissions
- ☑ **Antioxidants:** Stabilize the fuel to reduce sludge formation
- ☑ **Wax Anti-Setting Agent (WASA):** Helps keep wax crystals suspended and prevents settling that can plug fuel lines and filters

## APPLICATIONS

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

## BLENDING RECOMMENDATIONS

Diesel Guard Supreme Plus Winter XP should be added to the fuel transport or storage tank prior to adding fuel. Storage tanks should have a 20% heel of fuel and be free of excess water and/or sludge.

Treat Rate	Detergency	Cold Temp Operability
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





MARINE ENGINES  
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VALVTECT MARINE FUEL

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# MARINE GASOLINE

ValvTect® Marine Gasoline is formulated to provide optimal performance in all gasoline marine engines.



- ✓ Improves fuel economy
- ✓ Reduces engine friction
- ✓ Stabilizes gasoline for up to 2 years
- ✓ Removes excess water from tanks
- ✓ Eliminates phase separation of ethanol-blended gasoline
- ✓ Prevents rust and corrosion of entire fuel system
- ✓ Cleans:
  - Injectors      Combustion Chambers
  - Valves        Carburetors
  - Intakes

Scan QR Code to watch ValvTect's Marine Gasoline video



# MARINE DIESEL

ValvTect® Marine Diesel is the only diesel fuel containing BioGuard® technology. This powerful microbiocide stabilizes fuel and prevents bacteria growth in fuel storage tanks.



- ✓ Increases cetane level to improve power while reducing smoke and exhaust emissions
- ✓ Restores power and performance
- ✓ Cleans deposits in fuel system
- ✓ Removes excess water from tanks
- ✓ Prevents rust and corrosion of fuel system
- ✓ Stabilizes diesel for up to 2 years
- ✓ Improves fuel economy
- ✓ Extends fuel filter life

Scan QR Code to watch ValvTect's Marine Diesel video



75,000,000  
GALLONS OF VALVTECT MARINE  
FUEL CONSUMED ANNUALLY



# WHY USE VALVTECT?

**MORE TIME ON THE WATER  
LESS TIME ON MAINTENANCE**



✓ **RECOGNIZED &  
TRUSTED**  
BY COMMERCIAL &  
LEISURE BOATERS

✓ **BETTER  
PERFORMANCE**  
THAN ON-THE-ROAD FUELS

✓ **IMPROVED  
FUEL ECONOMY**



**MADE  
DIFFERENTLY**

ValvTect® Marine Fuel is formulated to provide optimal performance in marine engines for high-performance and leisurely applications.

Marine engines operate at higher RPMs for extended periods of time, consume more fuel per hour, and are more susceptible to moisture-related issues than on-the-road engines.

ValvTect Marine Gasoline and Diesel Fuel address ALL these issues and provide optimal performance and reliability for all marine engines.

- ✓ Advanced detergents and lubricants to keep entire fuel system clean, reduce engine friction, and improve fuel economy.
- ✓ Corrosion inhibitors and stabilizers to prevent rust and bacteria in the fuel system, keeping the fuel fresh during seasonal storage.
- ✓ Water dispersants to prevent phase separation, and remove excess water from all tanks.
- ✓ Stabilizes fuel up to 2 years.

*\*All ValvTect Marine Fuel storage tanks are tested annually to ensure compliance.*

# WHERE TO FIND VALVTECT MARINE FUEL



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VALVTECT  
ON MARINE  
FUEL PUMPS



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ValvTect Marine Fuel can be easily located via the **Marine Facilities and Services** tables in all MapTech Embassy Cruising Guides

Marine Facilities & Services	Fuel Brand			
	V	V	V	V
ValvTect Marina 1				V
ValvTect Marina 2				V
ValvTect Marina 3				V
ValvTect Marina 4				V