



ValvTest BioGuard™ ULS

Fuel Microbiocide (BGDULS)

Technical Data Sheet

BENEFITS:

BioGuard™ ULS is an EPA registered dual soluble (fuel and water) dual phase microbiocide that effectively kills bacteria and fungi that cause filter plugging and corrosion of metal surfaces and grow in gasoline, diesel fuel, and heating oil. Contains less than 15ppm sulfur to comply with Ultra Low Sulfur Diesel (ULSD) Requirements.

BioGuard™ ULS is fast reacting and effective in as little as 1-3 hours versus 24 to 36 hours needed by other fuel biocide products.

APPLICATIONS:

BioGuard™ ULS is effective in controlling the growth of microorganisms that breed in the fuel and water which produce slime, sludge and acid. Typical applications include marine, farm, truck fleet, home heat, generators, and railroad storage tanks. Product may be added to the fuel in bulk storage tanks or directly to the equipment fuel tanks. BioGuard™ ULS is registered for use in both on and off-road diesel fuel.

TREATMENT PROCEDURES:

<u>Container Size</u>	<u>Initial Treatment (Kill Rate)</u>	<u>Maintenance Treatment</u>
1 gal.	1gal. to 2,500	1gallon treats up to 7400 gallons
55gal.	1gal. to 2,500	1gallon treats up to 7400 gallons
16 oz	1oz to 20 gals;16 oz. treats 320 gals.	1oz to 55 gals;16oz treats up to 880 gallons.

INITIAL TREATMENT: To kill existing microorganisms and for best results, remove water bottoms from fuel storage tanks. Add the proper amount of BioGuard™ ULS directly to the tank that is at least ½ full of fuel. Completely fill tank with fuel. Allow 2 hours or more before using. Check filters frequently for residue and change as necessary.

MAINTENANCE TREATMENT: Continue to treat subsequent fuel loads with BioGuard ULS at the maintenance dose. Continue to check filters and keep fuel free of water. BioGuard can be used at concentrations between 1:1000 and 1:7400. (135ppm and 1000ppm.)

To prevent microorganism growth, continuously treat all fuel deliveries with BioGuard ULS at the maintenance treatment dosage and keep fuel systems free of water.

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.

STORAGE AND HANDLING:

It is a violation of EPA regulations to repackage BioGuard™ ULS in any container other than its original package. Follow recommendations on the label carefully.

BioGuard™ ULS is a U.S. EPA registered biocide and should be used with caution. Read all warnings, precautionary statements and storage and disposal instructions on container and refer to the Material Safety Data Sheet (MSDS) before using BioGuard™ ULS.

Store at temperatures above 70°F.

Available in bulk, totes, 55 gallon drums, 2/1gallon containers, and 12/16oz containers.

FOR MORE INFORMATION CALL

VALVTEST

1-800-728-8258