



ValvTect Marine/Heavy Duty Premium Diesel Additive with BioGuard Micro-biocide

Technical Data Sheet (VMDA)

DESCRIPTION, FEATURES & BENEFITS

The industry's only EPA registered multifunctional premium diesel additive containing a microbiocide. Contains BioGuard to prevent microbial contamination and fuel filter plugging. Formulated to help prevent Ultra Low Sulfur Diesel and biodiesel related problems and significantly improve heavy-duty marine diesel engine performance. Helps reduce fuel consumption, smoke, soot, odor and harmful exhaust emissions. Contains less than 15ppm of sulfur to comply with Ultra Low Sulfur Diesel regulations. Product performance has been documented in ASTM, SAE and engine manufacturer tests. Continuous use helps to:

- Prevent bacteria and other microbiological growth
- Stabilize fuel to keep it fresh for up to a year or more
- Improve thermal stability beyond industry standards
- Control moisture to prevent sludge
- Lubricate fuel injectors and pumps to prevent premature wear
- Prevent fuel filter plugging and extend fuel filter life
- Prevent rust & corrosion
- Increase cetane number
- Clean up and prevent fuel injector deposits
- Reduce fuel consumption up to 7.6%*
- Exceed Cummins L-10 "Superior" injector deposit cleanliness rating
- Reduce piston and combustion chamber deposits
- Increase power and performance*
- Reduce smoke, odor, transom soot *
- Reduce harmful exhaust emissions*
- Contains no alcohol
- Eliminate the need for other fuel additives

* based on clean up of fuel system deposits and improved combustion from increased cetane rating .

APPLICATIONS:

ValvTect Marine Premium Diesel Additive is specially formulated to improve diesel fuel quality and the performance of heavy-duty marine and all other diesel engines. It is the most effective product to maintain bacteria free fuel, clean up injector deposits, increase cetane rating and prevent premature wear of the fuel injection system. It increases fuel lubricity lost due to the reduction of sulfur in Ultra Low Sulfur Diesel. Typical applications include recreational and commercial marine and all on and off road engines.

BLENDING RECOMMENDATIONS:

The recommended dosage is 1 gallon per 1500 gallons of diesel. Higher dosage rates are not recommended. Product should be added to the fuel transport or storage tank prior to adding fuel. Storage tank should have a 20% heel of diesel fuel and be free of excess water and/or sludge. This product is required to properly formulate ValvTect Marine Diesel with BioGuard Microbiocide.

When handling this product, persons should exercise caution and wear protective goggles, gloves and clothing. See cautions indicated in the corresponding Material Safety Data Sheet and product label 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 therefrom. Product warranty and seller 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 warranty claim shall be governed by and construed in accordance with the laws and jurisdiction of the State of Illinois.

TYPICAL SPECIFICATIONS:

Specific Gravity:	TBD
Density, lbs./gal. (approx.):	TBD
Additive Pour Point °F:	TBD
Flash Point °F, PMCC:	TBD
Viscosity cSt at 104°F:	TBD
cSt at 0°F:	TBD

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

Manufactured by:
ValvTect Petroleum Products
3400 Dundee Rd., Northbrook, IL 60062
Phone: 800-728-8258 Fax: 847-272-4260

EPA Biocide registration no. XXXXXXXXX