

Kelly...
9/7

BIOBOR JF

Diesel Biocide and Lubricity Additive

The World's Leading Biocide SINCE 1965

- **Kills and Prevents** microbial growth, bacteria and fungi
- **Adds Lubricity**, protecting injectors and fuel pumps
- **Prevents** clogged fuel filters
- **Dual Phase**—treats both the water and fuel phases for a complete kill
- **Prevents Corrosion** caused by microbial growth
- **Military Spec**—(MIL-S 53021A)
- **Approved and Recommended** by diesel engine manufacturers

DIESEL	BIOBOR JF® Added at 135ppm	WEAR SCAR REDUCTION
590	470	120 (20%)

RECOMMENDED BY NAME
by Major Diesel Engine
Manufacturers

BIOBOR JF

FOR THE TREATMENT OF MICROBIAL GROWTH IN FUELS
TREATS MORE FUEL!



TREATMENT DOSAGE LEVELS

BioborJF®	Fuel Treated "Shock" (270 ppm)	Fuel Treated "Maintenance" (135 ppm)
1oz.	40 gallons	80 gallons
2.5oz	100 gallons	200 gallons
16oz.	640 gallons	1280 gallons

For Precise Dosage by Weight (ppm) i.e. Diesel#2 = 7.08 lbs./gal.
 270 ppm = amount of fuel in pounds... x 0.004
 135 ppm = amount of fuel in pounds... x 0.002

FIRST AID

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.
- Call a Poison Control Center or doctor for further treatment advice.

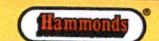
If on skin:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a Poison Control Center or doctor for further treatment advice.

If swallowed:

- Call a Poison Control Center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.
 Note to the Physician: Probable mucosal damage may contraindicate the use of gastric lavage.



HAMMONDS FUEL ADDITIVES, INC.
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(800) 548-9166
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REV 05/15

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE AND DISPOSAL

STORAGE: BioborJF® must be protected from moisture. Containers must be capped tightly when not in use as prolonged exposure to atmospheric moisture can cause formation of solids and loss of effectiveness. Do not transfer to other containers for storage. Discard if product is cloudy or contains solid materials. Shelf Life is 3 years from date of manufacture.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be properly disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable Container. Do not reuse or refill this container. Offer for recycling if available, or reconditioning if appropriate. Puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.



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Hammonds Fuel Additives, Inc., Houston, TX 1994

Manufactured By



HAMMONDS FUEL ADDITIVES, INC.
910 Rankin Road • Houston, Texas 77073

EMERGENCY PHONE: (800) 424-9300

For Product or Technical Support Call
(281) 820-5674 or in the U.S. (800) 548-9166

U.S. Coast Guard Certification No. 907-6 May 1971

-DIRECTIONS FOR USE-

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

A BIOCIDIC FOR FUELS AND HYDROCARBON FLUIDS

- Diesel #2 and #1
- Biodiesel Blends
- Fuel Oil / Bunker Fuels
- Transmission Fluids
- Home Heating Oil
- Lubricating Oils

BioborJF® is intended for use in all diesel fuels as well as heavy fuel oils, heating oils, kerosene, lubricating oils, transmission fluids, hydraulic fluids, antifreeze and other non-fuel hydrocarbon fluids. It is intended for use in any diesel-powered engine, engine storage, bulk transportation, bulk storage, pipeline transmission and refinery level protection. Markets served include, but are not limited to Marine, Power Generation, Locomotive, Mining, Heavy Equipment, Agriculture, Home Heating, Terminal Storage and Lubricants.

BioborJF® is a biocide used to eliminate and prevent the growth of microorganisms in fuel tanks. BioborJF® also adds lubricity to ULSD, protecting fuel injectors and fuel pumps. The maximum treatment level for contaminated tanks is 270 ppm of BioborJF® and the maintenance level for clean tanks is 135 ppm of BioborJF® (ppm by weight). The preferred method of blending the appropriate concentration of BioborJF® is by metered injection directly into the stream of flowing fuel as it is added to a fuel tank. If metering is not available, and batch blending is the only alternative, caution must be taken to ensure that BioborJF® is blended only into clean, dry fuel. When batch blending, add BioborJF® to the largest batch possible. Start adding BioborJF® when tank is half full, never to an empty tank. Do not exceed 1000 ppm or 0.10% of the total volume of fuel treated. Concentrations in excess of maximum levels may produce formation of solids. For best results, fill tank completely and allow 24 to 36 hours exposure time. BioborJF® is soluble in both fuel and water, and is designed to migrate from the fuel phase to the water phase for complete control of fungus. Standard fuel management practice includes the removal of excess water. BioborJF® must be blended into the fuel phase only, and not into the water bottom areas. Users of this product are responsible for removal of water from fuel. **Not for use in on-road vehicles.**

BLENDING AND DISPENSING INSTRUCTIONS

This container is designed so that the BioborJF® may be added in exact measured quantities during the fueling operation. After the fuel tank is approximately half full, begin adding BioborJF® from the measured control area of the container into the tank to the desired dosage.

- 1). Make sure right side cap is on tight (main bottle).

- 2). Loosen cap covering measured control area and squeeze bottle to fill to desired level.
- 3). Remove cap and pour measured amount of BioborJF® from measured control area into fuel tank.
- 4). Replace cap and repeat steps 2 and 3 as required to treat the desired fuel quantity.
- 5). After required treatment is completed, make sure all caps are on tight in order to eliminate moisture contamination of the product. This container is NOT to be re-filled with BioborJF®.

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS

Danger. Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing, and rubber gloves. Harmful if swallowed or absorbed through the skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using toilet. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear: coveralls over long sleeved shirt and long pants, socks and chemical resistant footwear, goggles or face shield, chemical resistant gloves (such as waterproof or rubber gloves).

Environment Hazards

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Physical or Chemical Hazards

Combustible. Do not use or store near heat or open flame.

The sulfur content of this diesel fuel additive does not exceed 15 ppm. This diesel fuel additive complies with the federal low sulfur content requirements for use in diesel motor vehicles and non-road engines.