

65217-1

01-14-2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

JAN 14 2009

Jeff Jones  
Agent for Hamonds Fuel Additives, Inc  
Delta Analytical Corporation  
12510 Prosperity Drive Suite 160  
Silver Spring, MD 20904

Subject: Boibor JF  
EPA Registration No.65217-1  
Amendment Dated: Oct 17, 2008  
EPA Received Date: Oct 21, 2008

Dear Jeff Jones

The following amendment submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, is acceptable with comments.

**Proposed Amendment**

- Revise Label

**Conditions**

Revise the label as follows:

1. On page three of the label, the first statement must be brought into compliance with PR Notice 2000-5, Mandatory Labeling, by deleting the term, recommended, and stating "maximum."
2. On page seven of the label, delete the 5<sup>th</sup> and 6<sup>th</sup> claims as these statements are subject to heightened efficacy and are false and misleading.
3. On page six of the label, the first statement under "Storage" instructions must be brought into compliance with PR Notice 2000-5, Mandatory Labeling, by deleting the term, should, and stating "must."
4. On page six of the label, the "Container Disposal" instructions must be brought into compliance with the Container Rule by adding the statements, "Nonrefillable container. Do not reuse or refill this container."

**CONCURRENCES**

YMBOL							
URNAME							
ATE							

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

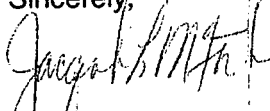
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**General Comments**

A stamped copy of the accepted label with conditions is enclosed for your records. Submit (3) copies of your final printed label before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Velma Noble at (703) 308-6233.

Sincerely,



Velma Noble  
Product Manager (31)  
Regulatory Management Branch I  
Antimicrobial Division (7510C)

Enclosure: Stamped Label

**CONCURRENCES**

SYMBOL								
SURNAME								
DATE								

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[Text of Center Panel]

# BIOBOR® JF

The Industry Standard for the Treatment of Microbial Growth in Fuel [opt.]  
Wood Preservative Booster [opt.]

**ACTIVE INGREDIENTS:**

2,2'-(1-methyltrimethylenedioxy)bis-(4-methyl-1,3,2-dioxaborinane) .....	67.6% by wt.
2,2'-oxybis(4,4,6-trimethyl-1,3,2-dioxaborinane) .....	27.4% by wt.
<b>OTHER INGREDIENTS</b> .....	<u>5.0% by wt.</u>
<b>TOTAL</b>	<b>100.0% by wt.</b>

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

See Side Panel For Additional Precautionary Statements

FIRST AID	
<b>If in Eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present after 5 minutes, then continue rinsing eye.</li> <li>• Call a Poison Control Center or doctor for further treatment advice</li> </ul>
<b>If on Skin:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a Poison Control Center or doctor for further treatment advice.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Call Poison Control Center or doctor immediately for treatment advice.</li> <li>• Have Person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.	

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JAN 14 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No

65217-1

A  
**Hammonds**  
Product

Manufactured for  
Hammonds Fuel Additives, Inc.  
Houston, Texas 77060  
EMERGENCY PHONE: 800 424-9300

EPA REG. NO. 65217-1  
EPA EST. 61897-TX-001

NET CONTENTS:

®Registered Trademark of Hammonds Fuel Additives, Inc.  
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**[Text of Left Panel]  
Fuel Biocide**

**FOR PREVENTION AND ELIMINATION OF MICROBIAL GROWTH IN ALL HYDROCARBON FUELS SUCH AS AVIATION JET FUELS, KEROSENE, NO. 1 AND NO. 2 DIESEL FUELS, HOME HEATING OIL, MARINE DIESEL AND BUNKER "C" FUEL.**

**For use in aviation jet fuels, follow specific recommendations from airframe and aircraft engine manufacturers**

**Notice: Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions of established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.**

**[Text of Left Panel]  
Wood Preservative Booster**

**WHEN COMBINED WITH A WATER REPELLENT WOOD PRESERVATIVES SUCH AS WOODLIFE® F, MILLTREAT® F, WOODTREAT® MB, AND WOODLIFE® 111, THIS PRODUCT WILL PROVIDE ENHANCED PROTECTION AGAINST DECAY TO WOOD WINDOWS, DOORS, AND ENGINEERED COMPONENTS USED IN CONSTRUCTION APPLICATIONS WHERE DECAY RESISTANCE IS NECESSARY.**

**SURFACES OF TREATED MATERIALS Must BE CLAD, SEALED, OR COATED.**

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## DIRECTIONS FOR USE

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

### Wood Preservative Booster Additive

This product may only be used as a booster additive with solvent based water repellent wood preservatives Woodlife® F, Milltreat® F, Woodtreat® MB, and Woodlife® 111. Make sure the preservative treating solution is free of water contamination. Add this product directly to the treating tank with mild agitation to ensure proper dispersion of the borate ester throughout the entire treating solution. This product must be applied (added to the treating solution) using a closed system metering pump.

Use at dilutions of 4:1 to 10:1 on a volume (treating solution):volume (Biobor® JF) basis. Be sure to keep water out of treating solution.

Treated parts must be encapsulated with an appropriate sealer, cladding, or coating to prevent moisture incursion.

Notice: Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions of established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

### Fuel Biocide

#### A MICROBIOCIDE FOR FUELS

BIOBOR® JF is intended for use in:

- Bulk Storage Tanks
- Diesel Boats and Ships
- Locomotive Fuel Tanks
- Home Heating Oil Tanks
- Aircraft Fuel Tanks
- Farm Equipment
- Construction Vehicles

#### NOT FOR USE IN ON-ROAD VEHICLES

BIOBOR® JF is a microbiocide used to eliminate and prevent the growth of Cladosporium resinae and Pseudomonas aeruginosa microorganisms in fuel tanks. The maximum treatment level for contaminated tanks is 270 ppm of BIOBOR® JF and the maintenance level for clean tanks is 135 ppm of BIOBOR® JF. The preferred method of blending the appropriate concentration of BIOBOR® JF is by metered injection directly into the stream of flowing fuel as it is added to a fuel tank. This ensures dispersion, and prevents the formation of high concentration of BIOBOR® JF in fuel. If metering is not available, and batch blending is the only alternative, caution must be taken to ensure that BIOBOR® JF is blended only into clean, dry fuel. When batch blending, add BIOBOR® JF to the largest batch possible, i.e., a tank truck, while fuel is being added. Start adding BIOBOR® JF 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 ~~recommended~~ levels may produce formation of solids. For best results when using maximum treatment levels, fill tank completely and allow 24 to 36 hours exposure time.

BIOBOR® JF 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 mandates the removal of excess water. BIOBOR® JF must be blended into the fuel phase only, and not into water bottom areas.

### TREATMENT DOSAGE LEVELS for 5 gallon pails and 55 gallon drums

Gallons of Fuel to be Treated*	BIOBOR® JF (270 ppm)**	BIOBOR® JF (135 ppm)**
100 gallons (378.5 L)	2.6 fl. oz. ( 80 ml)	1.3 fl. oz. ( 40 ml)
300 gallons (1135.5 L)	½ pint (236 ml)	4.0 fl. oz. (118 ml)
625 gallons (2365.6 L)	1 pint (473 ml)	½ pint (236 ml)
1250 gallons (4731.3 L)	1 quart (946 ml)	1 pint (473 ml)

\* Assuming fuel density at 6.7 pounds per gallon.

\*\* BIOBOR® JF weight per gallon = 8.75 pounds.

To calculate exact level of BIOBOR® JF in fluid ounces, multiply the amount of fuel, in pounds, by the factor 0.004 for the maximum treatment (270 ppm). Use a factor 0.002 for maintenance treatment level (135 ppm). Use only clean, dry measuring containers.

JP-4 weight per gallon	6.363 pounds
Jet A (Kerosene) weight per gallon	6.714 pounds
Diesel Fuel #1 weight per gallon	6.82 pounds.
Diesel Fuel #2 weight per gallon	7.08 pounds.
Bunker "C" weight per gallon	8.30 pounds.

### TREATMENT DOSAGE LEVELS

for 16 and 32 ounce containers

#### DOSAGE LEVELS

Gallons of Fuel to be Treated	"Shock" Treatment (270 ppm)	Maintenance Treatment (135 ppm)
20	½ fl. oz. (15 ml)	1/4 fl. oz. (7 ml)
40	1 fl. oz. (30 ml)	½ fl. oz. (15 ml)
60	1 ½ fl. oz. (45 ml)	¾ fl. oz. (25 ml)
120	3 ¼ fl. oz. (100 ml)	1 ¾ fl. oz. (50 ml)

270 ppm = (weight of fuel x gallons x .004)

135 ppm = (weight of fuel x gallons x .002)

JP-4 = 6.343 lbs./gal.

Jet A = 6.714 lbs./gal.

Diesel #1 = 6.827 lbs./gal.

Diesel #2 = 7.080 lbs./gal.

Bunker "C" = 8.305 lbs./gal.

#### BLENDING AND DISPENSING INSTRUCTIONS

This container is designed so that the BIOBOR® JF may be added in exact measured quantities during the fueling operation. After the fuel tank is approximately half full, begin adding BIOBOR® JF from the **measured control area** of the container into the tank to the desired dosage. 1). Make sure black cap is on tight. (main bottle) 2). Loosen white cap covering **measured control area**. 3). Squeeze sides of container lightly in order to fill **measured control area** to desired level. 4). Remove white cap and pour measured amount of BIOBOR® JF from **measured control area** into fuel tank. 5). Replace white cap and repeat steps #3 and #4 as required to treat the desired fuel quantity. 6). After required treatment is completed, make sure all caps are on tightly in order to eliminate moisture contamination of the product. This container is **NOT** to be re-filled with BIOBOR® JF.

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[Text of Right Panel]

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS AND DOMESTIC ANIMALS**

**Danger.** Corrosive. Causes irreversible eye damage and skin burns. 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 and using tobacco. 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).

**Environmental Hazards**

This pesticide is toxic to fish. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans or other water 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**

Do not use or store near heat or open flame.

**STORAGE AND DISPOSAL**

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

**STORAGE:** BIOBOR® JF ~~should~~ 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.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely 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:** Triple rinse (or equivalent) all containers and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.



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**[NEW LANGUAGE]**

[Biobor JF Meets ASTM Specifications for Lubricity]

[Adds Lubricity to fuel – Biobor JF exceeds ASTM specifications for fuel lubricity!]

**[Biobor JF kills hydrocarbon utilizing micro-organisms (or, HUM Bugs) which cause fuel tank contamination.]**

[Specially formulated for diesel and jet fuel]

~~[Considered the industry standard for killing microbial growth]~~

~~[Recommended by airframe and equipment manufacturers around the world]~~

[MIL-S-53021A]

[Meets ASTM specifications for lubricity in diesel fuels]

[US Coast Guard Certification No. 907-6 May 1971]

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