

65217-1

3/19/2014

1/8



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Ms. Susan Stracquatano, Agent
Hammonds Fuel Additives, Inc.
c/o Delta Analytical Corp.
12510 Prosperity Drive, Suite 160
Silver Spring, MD 20940

MAR 19 2014

Subject: Label Amendment
Product Name: Biobor JF
EPA Registration Number: 65217-1
Amendment Application Date: November 5, 2013
EPA Received Date: November 6, 2013

Dear Ms. Stracquatano,

The application referred to above to add or reword use sites within the current use pattern plus other minor revisions including changing product sizes from the label of EPA Registration #65217-1 submitted under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Section 3(c)(7)(A) as amended, is acceptable.

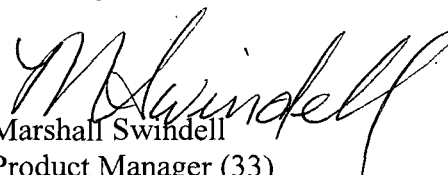
Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) and section 4(a) when the Agency requires all registrants of similar products to submit such data.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

If you have any questions concerning this letter, please contact Amaris Johnson at johnson.amaris@epa.gov or (703) 305-9542.

Sincerely,



Marshall Swindell
Product Manager (33)
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

318

BIOBOR® JF

The Industry Standard for the Treatment of Microbial Growth in [Aviation] Fuel [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.

OTHER INGREDIENTS 5.0% by wt.

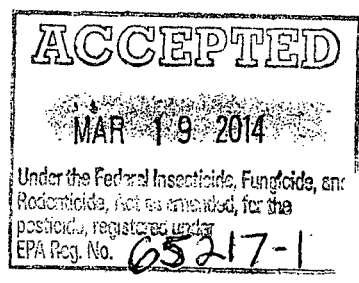
TOTAL 100.0% by wt.

KEEP OUT OF REACH OF CHILDREN

DANGER

See Side Panel For Additional Precautionary Statements

FIRST AID	
If in Eyes:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • Call 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 Physician: Probable mucosal damage may contraindicate the use of gastric lavage.	



A Hammonds

Product

Manufactured for
 Hammonds Fuel Additives, Inc.
 910 Rankin Road
 Houston, Texas 77073
 EMERGENCY PHONE: 800 424-9300

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

NET CONTENTS:

®Registered Trademark of Hammonds Fuel Additives, Inc.
 ©1991 Hammonds Fuel Additives, Inc.

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 [AND CAN [MAY] BE USED FOR DIESEL/HOME HEATING OIL/BIODIESEL AND BUNKER 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.

DIRECTIONS FOR USE

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

Fuel Biocide

A [MICRO]BIOCIDE FOR FUELS

BIOBOR® JF is intended for use in:

- Aircraft Fuel Tanks
- Aviation Fuel Pipelines
- Aviation Fuel Storage Tanks
- Aviation Fuel Transportation Tankers
- At the refinery level
- Bulk Storage Tanks
- Construction Vehicles
- Farm Equipment
- Home Heating Oil Tanks
- Locomotive Fuel Tanks
- [Marine] Diesel [Boats and Ships]
- All Diesel Powered Engines used in [choose one or more] [Power or Stand-by Power Generators] [Locomotives] [Agriculture] [Construction]

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 maximum 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 1 gallon, 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	6.827 pounds.
Diesel Fuel #2 weight per gallon	7.080 pounds.
Bunker "C" weight per gallon	8.305 pounds.

TREATMENT DOSAGE LEVELS

[for 8, 16 and 32 ounce [1 Quart] containers]

DOSAGE LEVELS

Gallons of Fuel to be Treated*	"Shock" Treatment (270 ppm)	Maintenance Treatment (135 ppm)
20	½ fl. oz. (15 ml)	¼ fl. oz. (7 ml)
40	1 fl. oz. (30 ml)	½ fl. oz. (15 ml)
60	1½ fl. oz. (45 ml)	¾ fl. oz. (25 ml)
120	3¼ fl. oz. (100 ml)	1¾ 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.

**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 AND DISPOSAL

STORAGE: BIOBOR® JF 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.

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: Nonrefillable Container. Do not reuse or refill this container. 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.

8/8

[CLAIMS]

[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]

[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]

[Aviation Fuel Biocide]