

BIOBOR JF[®]

The Worldwide Standard Since 1965

—USED BY—
MAJOR AIRLINES

American	Southern Airlines
United Airlines	National Airlines
Delta Airlines	Capital Airways
Northwest	Air Jamaica
Lufthansa	TACA International Airlines
British Airways	Varig Airlines
Air France	Quantas
Iberia	Aerolineas Peruanas

—RECOMMENDED BY—
AIRCRAFT MFG.

Boeing Aircraft	Bell Helicopter
Airbus Industries	Fokker Aircraft Corp.
General Dynamics	Lockheed Aircraft Company
Grumman Aircraft	Sikorsky Helicopter
Beechcraft Aircraft Corp.	British Aerospace Aircraft
LearJet Corporation	McDonnell Douglas Aircraft
de Havilland, Inc.	Saberliner Aircraft Corp.
Gulf Stream Aerospace Corp.	Hawker
Dassault Falcon Jet	Cessna

—RECOMMENDED BY—
AIRCRAFT ENGINE MANUFACTURERS

General Electric Engines	Garrett Aircraft Engines
Rolls Royce Engines	Lycoming Engine Corp.
Pratt & Whitney Engines	Allison Industries
Allied Signal Aerospace	United Aircraft of Canada

MILITARY APPROVED
MIL-S-53021A

U.S. Air Force	U.S. Coast Guard
U.S. Army	U.S. Merchant Marines
U.S. Navy	U.S. Border Patrol

Produced by:



HAMMONDS FUEL ADDITIVES, INC.

910 Rankin Road • Houston, Texas 77073 • (800) 548-9166

www.biobor.com

BIOBOR JF[®]

FUEL MICROBIOCIDE

The Worldwide Standard Since 1965



Eliminates the HAZARDS of
FUNGAL GROWTH in JET FUEL

The World's Only Fuel-Based Biocide
Approved for use in Jet Fuel



HAMMONDS FUEL ADDITIVES, INC.

BIOBOR JF[®] WHY YOU SHOULD USE IT every day, all the time...

A microbiocide... and so much more!

The Original Solution since 1965

Biobor JF[®] was developed jointly by SOHIO and US Borax as the **original answer** to outbreaks of microbial contamination and damage found in commercial jet aircraft. **Unlike** water soluble biocides that are **drained** out during aircraft sumping, **Biobor JF[®]** mixes **completely** with the entire fuel load. **Biobor JF[®]** kills by **changing the metabolism** of the microbe, making it impossible to sustain life. As long as there is treated fuel in the tank, **Biobor JF[®]** continues to deliver **safe, effective protection** against the ravages of microbial contamination.

1. KILLS Microbial Growth in Jet Fuel

Microbial growth in the form of **fungus** and **slime** can grow in jet fuel tanks. This growth can **clog filters** and **corrode metal parts** and surfaces, adversely affecting the **performance, safety** and **structural integrity** of the aircraft. Since 1965 **Biobor JF[®]** has held its position as the **world leader** in the control of microbial growth in jet fuel systems. When used in a **conscientious** fuel treatment program, **Biobor JF[®]** will help **prevent corrosion**, **keep fuel filters clean** and **protect elastomeric** fuel system components, thereby substantially **lowering maintenance costs** and **improving fuel quality**.

2. Effective in ALL PHASES of Fuel

Although microbes require water to multiply, they are found **throughout** the fuel system where even the least amount of water can be found. Since **Biobor JF[®]** blends in **both** fuel and water, once treated, the **entire fuel supply** becomes poison to the microbe, **protecting** your fuel **tanks** and **air frame**. Once killed, the dead microbes are **flushed through** and **trapped in the filter** system or removed through tank cleaning. Once the tank is sterilized with **Biobor JF[®]**, with proper maintenance dosages, the **microbes cannot grow back**.



Protecting vital aircraft parts... SINCE 1965

- ✓ The **most recognized** name in **aviation** additives
- ✓ **Prevents corrosion** on vital **engine and airframe parts**
- ✓ **Prevents clogged filters** and **protects elastomeric** components
- ✓ **Kills in water** and **fuel** phase
- ✓ Adds **lubricity** to the fuel
- ✓ **Safer to use**, less toxic biocide
- ✓ **Treats more** fuel than the competition
- ✓ Military Spec **MIL-S-53021A**

PRODUCED BY



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The Essential Fuel Additive for ANY SIZE Jet or Turbine Aircraft...

Reduces maintenance costs!

3. Adds LUBRICITY to Fuel

Modern refining techniques **reduce** jet fuel lubricity. **Biobor JF[®]** is the **only biocide in the world** that actually **adds lubricity** to the fuel, **reducing wear** on close tolerance fuel system components, again substantially **reducing maintenance costs**.

4. LESS TOXIC to the Environment

Biobor JF[®] is a **less-toxic biocide**, safer to handle and has **little to no environmental impact** compared to other fuel additives. It is **safe** and **non-corrosive** yet it aggressively eliminates microbial growth in fuel since it **transforms** an entire fuel load into a **microbiocide**.

5. Treats MORE Fuel

Biobor JF[®] **treats more fuel** than the competition. Compare our **dosage charts** with that of competing additives.

Fuel to be treated (in gal.)	75	300	600	1,200	2,400	9,530
Biobor [®] JF (in oz.)	1	4	8	16	32	1 Gal.
Maintenance Dosage						

6. How do I get Biobor JF[®] in my tank?

Hammonds Technical Services is the **industry leader** in the design and manufacture of **Fluid-Powered** and **Electronic Additive Injection Systems**. Please visit our website at www.hammondscos.com or call an additive injection specialist at **(281) 999-2900** for more information about these remarkable systems and the fuel additives they deliver.

Biobor JF[®]

Available in 8 oz./16 oz./32 oz./1 gal./5 gal./55 gal./330 gal. totes



Fuel Additives equal a cleaner engine, better mileage, and fewer harmful emissions.