



AVIATION FUEL BIOCIDES

Biobor JF is the original, industry standard microbicide used to kill and prevent microbial contamination in aviation turbine fuels. Biobor JF provides highly effective, proven dual-phase chemistry to eliminate the growth of harmful bacteria and fungi that contaminate fuel systems, clog filters, corrode metal surfaces and cause service interruptions.

For contaminated aircraft or storage systems with microbial growth present, Biobor JF should be used as a “shock treatment” to kill and control organisms in the fuel tank. Biobor JF may also be used routinely in sterile systems as a preventative to ensure fuel quality and prevent contamination. Proactive use of a biocide extends fuel filter life, prevents biomass accumulation in fuel tanks, and inhibits microbial influenced corrosion (MIC). As an added benefit, Biobor JF has been proven to increase the lubricity properties of jet fuel, providing additional protection and reduced wear to fuel delivery components.

Biobor JF is fully compatible with a wide variety of fuels, fuel system components and common materials. It does not affect fuel performance and is more stable, less corrosive and safer to handle than many other biocide chemistries.

Since 1965, Biobor JF has proven highly effective and compatible by many of the world’s largest refineries, militaries, airlines, and GA aircraft operators globally, and is one of only two fuel biocides approved for aviation use.



**The Industry Standard
in Aviation since 1965**

BENEFITS:

- **Highly effective biocide to kill and prevent microbial growth in aviation fuels and aircraft (bacteria & fungi)**
- **Dual Phase – partitions to both the water and fuel phases for more effective and complete protection**
- **Prevents corrosion of fuel tanks and delivery systems caused by the acidic by-products of microbial growth**
- **Safer handling and less harsh/corrosive than competitive biocides**
- **The original, most widely used biocide since 1965**

APPROVALS:

- **EPA Biocide Registration # 65217-1**
- **MILITARY SPEC - MIL-S-53021A**
- **Aviation APPROVED** - approved for aviation use globally by FAA and IATA
- **OEM APPROVED** – Recommended & approved by turbine and airframe OEMs

Kills and prevents microbial growth that cause fuel contamination & corrosion

For use in all hydrocarbons such as jet fuels, diesel, biodiesel, heating oils, heavy distillates and lubricants

➤ **MIL-S-53021A**

➤ **Aviation APPROVED**

➤ **OEM APPROVED**

Maintenance Dosage (135 ppmw*)	Shock Dosage (270 ppmw*)
1 gal : 9,532 gal of jet fuel	1 gal : 4,766 gal of jet fuel
1 oz : 74 gal of jet fuel	1 oz : 37 gal of jet fuel
*equivalent to <u>105 ppmV</u>	*equivalent to <u>210 ppmV</u>

Application: For existing contamination or periodic treatment, a shock dosage should be used for effective sterilization. Subsequent fuel may be treated with a maintenance dosage to prevent future growth and ensure fuel quality. Drain water bottoms prior to application and keep tanks dry with proper housekeeping. Monitor fuel filters after biocide application, and drain tanks & replace filters at recommended intervals. Biocide may be applied by metered injection, or by splash blending during fueling or with circulation to ensure uniform blending. Aircraft maintenance manuals should be referenced for recommended practices.

Storage & Handling: Containers should be kept closed to atmosphere and protected from any water contamination. It is a violation of Hammonds quality standards and EPA regulations to remove Biobor JF from its original packaging. Please refer to the Safety Data Sheet for specific safety, handling and storage information. Shelf life is 3 years from date of manufacture.

Available in 8, 16, 32oz bottles.
1 gallon, 5 gallon, 55 gallon, 330 gallon containers.



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