



# Innospec Fuel Specialties

6000

**6000 is an effective antibacterial and antifungal agent for preserving middle distillate fuels. 6000 contains a unique combination of active ingredients to provide broad spectrum antimicrobial protection.**

**Innospec Fuel Specialties is the only manufacturing company solely focused on fuel and fuel additive technology.**



#### 40CFR80.591 Compliance Statement:

The sulfur content of this diesel fuel additive does not exceed 15 ppm. This is a LEGAL DIESEL® Fuel Additive product.

In order to comply with EU regulations (Title II, Chapter 1, Article 8) and to secure documentation to allow this product to be imported into the EU please contact Innospec to join our "Only Representative" and Declaration of Conformity Program.

Technical Support: (302) 454-8100

Customer Service

Resource Center: (800) 441-9547

**6000** provides the following benefits:

- Partitions between the fuel and water phase providing protection in the fuel phase, the water phase, and the fuel / water interface
- Long lasting activity that protects multiple fuel turnovers and long term storage conditions
- Compatible with all middle distillate fuels
- Effective in both fuel and water layers
- Broad spectrum activity; effective against bacteria and fungi
- Leaves no corrosive deposits
- Burns similar to fuel (>106,000 BTU/gallon)
- Reduces engine maintenance costs
- Helps prevent fuel system failures microbiological activity

#### Addition

**Proper blending and handling procedures must be followed due to the nature of this material. 6000** should be introduced into fuel at a dosage rate of 135 to 1000 ppm.

**NOTE:** A successful microbial kill may create a substantial volume of dead biomass which will plug filters. When tanks larger than 1,000 gallons are treated with **6000**, we recommend filter polishing the fuel within 24 to 72 hours after treatment to achieve optimum performance.

#### Material Compatibility

**6000** is compatible with the following materials of construction: mild steel, 304 stainless steel, 316 stainless steel, red rubber, EPDM, silicone, nylon, Teflon, polypropylene, and polyethylene. Do not use with Tygon, PVC, CPVC, polystyrene, neoprene, Buna-N or Viton. Copper, brass, or bronze (yellow metals) should not be used with neat additive.

#### Personal Safety, First Aid and Storage and Handling

This product can be shipped and handled above normal ambient temperatures of 50°F (10 °C) without phase change. At lower temperatures, crystallization in the product may occur because of extreme cooling. Should this occur, the product may be liquefied by immersing the 1-gallon container in warm water or by storing in a warm well ventilated area until the crystals thaw. Do not heat above 95°F (35°C) in any thawing operation. Under no circumstances should steam, open flame, or band heater be used to thaw product **6000**.

Use extreme caution when using any biocide. See the Material Safety Data Sheet for product specific information.

CAS #s 2224-44-4, 1854-23-5, 5625-90-1, 110-91-8, 108-03-2

#### Typical Properties

Appearance .....	yellowish brown liquid
Specific Gravity, (25.5/25.5°C).....	1.1
Density, lb./gal, 77°F (25.5°C) .....	9.16 lb
Flash Point, PMCC, °F (°C) .....	>174°F (>78.9°C)
Viscosity, cSt @ 68°F (20°C) .....	~ 40 cps
Vapor Pressure @ 194°F (90°C) .....	30 mm Hg
68°F (20°) .....	13 mm Hg
Freezing Point (approx.) .....	50°F (10°C)

**Recommended Treat Rate** To preserve and protect fuel system, deliver between 135 ppm volume (1 gallon to 7,400 gallons) and 250 ppm volume (1 gallon for every 4,000 gallons of fuel)

**To clean up heavily contaminated fuel systems**, deliver between 250 ppm volume (1 gallon to 4,000 gallons) and 1000 ppm volume (1 gallon to every 1,000 gallons of fuel) as a shock treatment. Biocides are consumed as they kill microbes, therefore this shock treatment should be followed 2-3 days later by a 135 to 250 ppm volume preventive dose.

EPA Pesticide Registration # 464-659-68827  
EPA Fuel Additive Registration # 000120409  
Registered Maximum EPA Treat Rate = 1200 mg/L