

Bio Kleen Diesel Fuel Biocide®

Formulated to Solve Costly Microbial Growth Problems in Diesel Fuel Tanks

- Ultra Low Sulfur Diesel (ULSD) Compliant – contains less than 15 parts per million (ppm) sulfur
- Effective in all diesel fuels, including ULSD and biodiesel
- Dual-Phase – effective in both diesel fuel and water as recommended by major diesel engine manufacturers
- Effective as a “quick-kill” biocide and for long-term diesel fuel maintenance
- Kills microbes (bacteria and fungi) that grow in dispersed and free water associated with diesel fuels
- Prevents fuel-filter plugging – helps prevent fuel system failures



- Protects fuel system components against organic acids created by microbial growth – prevents fuel tank corrosion
- Improves fuel performance
- Reduces engine maintenance costs
- Burns similarly to diesel fuel (>106,000 BTU/Gal)

Part #	Pack	Container	Shock Treatment	Maintenance Treatment
9041-04	4/1 96-Ounce	One 96-Ounce Treats	2,000 Gallons	5,280 Gallons
9055	55-Gallon Drum	One Drum Treats	146,300 Gallons	387,200 Gallons

FOR USE IN HYDROCARBON PRESERVATION TO CONTROL THE GROWTH OF PROBLEM MICROORGANISMS ASSOCIATED WITH FUEL.

DIRECTIONS FOR USE

Use slug dosage or intermittent metering of Bio Kleen Diesel Fuel Biocide® to attain "shock-treatment" concentrations of contaminated diesel fuel tanks or for maintenance-treatment concentrations.

SHOCK TREATMENT OF DIESEL FUEL BULK-STORAGE OR EQUIPMENT TANKS: Treat total capacity of each tank – not the amount of fuel in the tank at time of treatment. Add one ounce of Bio Kleen to each 20 gallons of equipment fuel tank capacity (see treatment ratio chart on this page). After treatment has been added, fill the tank with diesel fuel to maximum capacity so that the rising level of diesel fuel treats the entire interior walls of the tank.

MAINTENANCE TREATMENT OF DIESEL FUEL BULK-STORAGE OR EQUIPMENT TANKS: Treat total capacity of each tank at the ratio of one ounce of Bio Kleen to each 55 gallons of diesel fuel in the tank (see treatment ratio chart on this page). After treatment, fill tank to maximum capacity.

SHOCK TREATMENT AND MAINTENANCE TREATMENT: Recirculate fuel in tank for 30 minutes following treatment, if possible. Let diesel fuel set for eight hours before using to achieve maximum effectiveness. Treatment may result in additional accumulations of water and dead microbes at bottom of tank. If so, pump or drain tank bottoms to complete tank cleanup.

WHEN TO USE A BIOCIDES: Make visual inspections of bulk-storage tanks. Dark, slimy growth may be detected at the interface area between the diesel fuel and the water-bottom or throughout the fuel. A "rotten egg" odor also may be detected. Look for slime on interior walls of tanks and in the sump area – check water drawn from the sump area for slimy debris. Microbial growth can multiply rapidly and may form into long strings and form mats or globules. These are the most common signs of contamination and require immediate treatment.

DEVELOP A TREATMENT SCHEDULE: Shock treatment may be performed to solve contamination problems, followed by maintenance treatments at regularly scheduled intervals. Or, the shock treatment may be repeated every three months. Following treatment of tank, inspect filters frequently until plugging no longer occurs.

PRACTICE GOOD HOUSEKEEPING: Although Bio Kleen dual-phase biocide is effective in both diesel fuel and water, it is recommended that accumulated water be drained or pumped regularly from tank bottoms and that sump areas be drained. Filtering also is recommended to remove fungal debris. Inspect filters and screens regularly. A good maintenance program can reduce microbial growth and increase effectiveness of shock and maintenance treatments.

BIO KLEEN DIESEL FUEL BIOCIDES

TREATMENT RATIOS (IN OUNCES)

BIO KLEEN BIOCIDES	SHOCK TREATMENT	MAINTENANCE TREATMENT
1 Ounce	20 Gallons	55 Gallons
96 Ounces	2,000 Gallons	5,280 Gallons
55-Gallon Drum	146,300 Gallons	387,200 Gallons

ACTIVE INGREDIENTS

4-(2-NITROBUTYL) MORPHOLINE.....	81% BY WT.
4,4'- (2-ETHYL-2-NITROTRIMETHYLENE) DIMORPHOLINE.....	5% BY WT.
INERT INGREDIENTS.....	14% BY WT.
TOTAL.....	100%

DANGER!

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUSES SEVERE EYE DAMAGE AND SKIN BURNS • MAY CAUSE ALLERGIC SKIN REACTION • HARMFUL OR FATAL IF SWALLOWED OR ABSORBED THROUGH THE SKIN

Do Not Get In Eyes, On Skin, On Clothing • Causes Skin Sensitization • Wear Goggles Or Face Shield And Rubber Gloves When Handling • Wash Thoroughly After Handling

Avoid Breathing Vapor Or Mist • Avoid Contamination Of Food • Do Not Take Internally

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters 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.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be 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). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Power Service Products, Inc. assumes no responsibility when this product is not used in accordance with the instructions and information on container labels.