



## Introduction



Today's ultra low sulfur diesel is prone to the formation of bacterial colonies often referred to as sludge. Sludge is a microbiological colony of varied species of bacteria bound together to form complex environments. These colonies are acidic, highly corrosive and can lead to contamination of the fuel system downstream. This contamination can lead to filter clogging, poor engine performance and premature failure of engine components if passed through the fuel system.

Bacteria is a natural resident in diesel fuel and interacts with water present in fuel. Once they begin to form biocolonies, they can be difficult to eliminate with the use of biocides. Conventional fuel additives offer modest performance enhancements however, do not address contamination problems in diesel fuel and have little to no impact on the prevention of sludge formation in diesel fuel.

Fuel Right® chemistry is unique and uses a powerful combination of amine chemistries that dissolve existing sludge and prevents the formation of new sludge. The filming amine provides a microscopic barrier throughout the fuel system protecting it from corrosion even in the presence of free standing water and remaining old sludge.

Proven in the field and in laboratory applications over the past 18 years, Fuel Right has been tested against leading conventional fuel additives on the market today (including biocides) and has proven to out perform competitors.

## Features & Benefits

- ✓ *Prevent Gelling and Waxing*
- ✓ *Reduce cold flow pour point to a minimum -31.7°C (-25°F)*
- ✓ *Dissolves existing sludge and prevents new sludge formation*
- ✓ *Cleans fuel system - tank, filter, fuel lines, strainers, injector pumps, injectors*
- ✓ *Eliminates filter plugging and extends filter life*
- ✓ *Improves lubricity - extending fuel system component life*
- ✓ *Better fuel quality for better operating performance*
- ✓ *Protects complete fuel system from MIC (Microbially Influenced Corrosion)*
- ✓ *Stabilizes fuel preventing premature breakdown*
- ✓ *Prevents fuel line freeze-ups*
- ✓ *Warranty safe for all diesel engines*

## Did you know?

The presence of biofilm in fuel systems can have the following affect;

- ✓ decrease a corrosion inhibitors effectiveness
- ✓ decrease an anti-oxidant additive effectiveness (stabilizer)
- ✓ Reduce a lubricity additive effectiveness
- ✓ Reduce fuel's oxidative stability
- ✓ Increase fuel's peroxide number
- ✓ Increase fuel's total acid number (TAN)
- ✓ Increase fuel's corrosivity

**It PAYS to Fuel Right!**

Fuel Right (Canada) Limited  
www.fuelright.ca  
info@fuelright.ca



## Treatment

Fuel Right can be added to the diesel fuel tank at any time. Ideally, Fuel Right should be added when fuelling to ensure thorough mixing during the filling process. Fuel Right recognizes that not all conditions are ideal; blending Fuel Right at less than ideal dose rates will not cause any harm to your fuel system. Higher doses than necessary (shock treatment) are also acceptable and will not cause any concern to your fuel system.

### **Bulk Treatment**

Bulk treatment means treating at a low dose rate all of the fuel, all of the time. For such treatment, use 1:2,800 as the treatment ratio. (1 litre of Fuel Right treats 2,800 litres of fuel) It is not recommended to bulk treat only part of the time as that can produce an incomplete protective film and lead to localized corrosion.

Once a system has been treated, it is recommended to treat with each re-fill the amount of fuel being introduced to the tank based on the recommended treat ratio.

## Packaging

Packaging	Bulk Treatment
208 litres (55 gallon) drum	582,400 litres (154,000 gallons)

## Storage and Handling

Fuel Right products should remain in the sealed container and be stored in a cool, dry, well-ventilated area away from direct sunlight, moisture, rain, heat or any potential ignition sources in compliance with all current federal and local regulations.

## Precautions

**CONTENTS HARMFUL. MAY IRRITATE EYES AND SKIN. PLEASE REFER TO MSDS.**



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