

Q: How does Blue 42 work?

A: Blue 42 uses enzymes, nature's most powerful catalysts, to redefine the molecular structure of gasoline and diesel. Blue 42's all-natural enzymes purify fuel and improve oxygenation during combustion. With cleaner fuel, fuel filter costs are reduced. By improving combustion, abrasive soot and corrosive exhaust gases are reduced, reducing engine wear by protecting lube oil integrity.

Q: Will Blue 42 void my warranty?

A. No. Blue 42 is registered with the US EPA under the "substantially similar" rule, (40 CFR 79.21) and therefore can be used in all transportation commerce, on or off-road.

Q. Is Blue 42 safe to use with other additives?

A: Yes. Although there are hundreds of aftermarket fuel additives in the marketplace, the vast majority of them use the same basic chemical additives used by refineries. Blue 42 has been used for more than 20 years in every fuel brand in the United States, as well in more than 40 countries, without ever having seen any negative interaction between our enzymes and chemical additives. Blue42 is a multi-functional fuel additive, and under most circumstances, it is not necessary to use other fuel additives. Blue42 is not an anti-gel additive, and in cases of extreme cold, Blue42 has been shown to be compatible with anti-gel additives.

Q: Why do I need to add Blue42 to my fuel? I have a good supplier who gets it direct from the refinery.

A: All fuel tank systems are vented to allow for filling and dispensing. Every transfer from a tank farm, pipeline, rack, distributor, or tanker allows an entry point for oxygen, water, rust, silicate, microbes, and dirt to contaminate the fuel.

Q: Do I need Blue42 if my fuel looks clear and clean?

A: Yes. Today's Tier 4 engines require fuel to meet an ISO 4406 requirement of 18/16/ 13. The 18 represents the number of 4 micron particles. 4 micron particles are not visible to the human eye. The major engine manufacturers today publish Tier4 fuel requirements in their warranty.

Q: If I live in a humid environment is Blue42 more or less necessary?

A: Without question, more necessary. The additives in many of today's Low Sulfur diesel fuels tend to attract moisture to the fuel. Moisture increases the risk of microbial growth and fuel filter plugging. Quite frankly sulfur is a natural antibiotic and reduced sulfur likely means increased opportunity for MIC (microbial influenced corrosion). Microbes decay and form organic acids. Acids for rust and degrade fuel combustion properties.

Q: What happens if my helper (I never make mistakes) is not paying attention and over doses the tank?

A: Relax, Blue42 enzymes won't fall out of solution even when grossly over dosed and won't react with other chemicals to form deposits, regardless of temperature or length of storage.

Q: If I use Blue42 in my fuel tanks, do I still need to clean them?

A: Yes, and Yes! Blue42 will enhance the cleaning process by dropping out particulate, free water, and microbes to the bottom of the tank making cleaning more efficient. We recommend cleaning of fuel tanks every six months to one year, even when using Blue42.

Q: What is all the conversation about HUMBUGS?

A: HUMBUGS are infestations in the fuel of microorganisms. They thrive in fuel with water and secrete extracellular polymeric substance (EPS) that binds dead organisms on the tank wall forming a bio-film. This bio-film protects underlying living organisms from chemical biocides. Just like bacteria, an ineffective use of biocides can create SUPER-HUMBUGS, Blue42 is not a biocide and does not kill HUMBUGS, but the enzymes are surfactants that disperse water in very small droplets drying out the fuel as it is consumed. Organisms can't thrive without water. Further, Blue42 enzymes break down existing bio-films causing the bio-mass to soften and lose its grip on the tank surfaces. This allows you, or your fuel professional to easier remove the inorganic matter that becomes trapped in the sludge.



Clean engines run best
on clean diesel™

 BLUE42™



cleans tanks,
stabilizes fuel, and
improves combustion.



Blue42™ Enzyme Fuel Tank Cleaner and Fuel Purifier uses naturally occurring plant enzymes to loosen sludge and decaying biomass from all

tank surfaces, including baffles and cribbing, allowing for a more thorough cleaning. Blue42 reduces harmful fuel contaminants that lower fuel lubricity and plug filters, including water in which it safely disperses during fuel movement, without forming harmful emulsions.

Blue42 prevents fuel oxidation, and is also a powerful combustion catalyst which will improve starting and combustion, increase fuel economy, and remove harmful carbon deposits that can lead to premature engine wear or even failure of High Pressure Common Rail fuel injectors (Tier 4 engines).

- Safely disperses moisture during fuel movement
- Breaks down sludge while preventing formation of new sludge
- Cleans entire fuel system
- Reduces emissions
- Improves performance
- Improves fuel economy
- Disperses bacteria and mold
- Stops knocking and pinging
- Removes combustion chamber carbon deposits
- Increase storage life
- Reduces blow-by gasses, protecting lube-oil integrity
- Reduces fuel filter plugging and engine maintenance costs

BLUE42™ Dosage Chart

Fuel Volume(US Gallons)	Dosage Rate (vol.) US Measure
250	8 oz. (0.5 pint)
1000	32 oz. (1.0 QT)
2000	64 oz. (2.0 Qt)
3000	96 oz. (3.0 Qt)
4000	128 oz. (1 Gallon)
8000	2 Gallons
12000	3 Gallons
16000	4 Gallons
20000	5 Gallons
40000	10 Gallons
80000	20 Gallons
120000	30 Gallons
160000	40 Gallons
220000	55 Gallons

Fuel Volume(Cubic Meters)	Dosage Rate (vol.) Liters
1	0.25
4	1
8	2
11	3
15	4
30	8
45	11
61	15
76	19
151	38
303	76
454	114
606	151
833	208

Blue42™ enzymes won't fall out of solution, even if grossly overdosed, and won't react with other chemicals to form deposits, regardless of temperature or length of storage.

Mix ratios can be varied as needed, based on fuel type, quality, crude oil source, and following mix ratios are based on the continuous use of Blue42 in "typical" fuel.

Double dose all distillate fuels when treating for long-term storage or fuels that have experienced severe contamination.

Sizes

Blue42 is available in the following sizes:

- 1 - gallon bottles
- 5 - gallon bottles
- 55 - gallon drums

