

# OptiPlex FBC

PREMIUM GASOLINE  
PERFORMANCE SUPPLEMENT  
WITH FUEL-BORNE CATALYST



OptiPlex FBC Premium Gasoline Performance Supplement uses a unique proprietary chemical formulation to provide unprecedented benefits via a "pour-in" tank or bulk fuel treating additive.

Fuel-Borne Catalyst (FBC) provides a unique group of features and benefits in addition to those found in the original OptiPlex. This catalyst lowers the temperature at which carbon (fuel) begins to combust (burn). This provides for a more complete combustion cycle, which converts more of the fuels' energy into useful power. This much-improved combustion significantly reduces the formation of NO<sub>x</sub> and other emissions. The catalyst also lowers the temperature at which hard carbon (fuel deposits) begin to burn, allowing the deposits to burn at normal combustion temperatures found in the engine's combustion chamber. This allows your engine and emissions system to self-clean during normal operation. This self-cleaning reduces emissions, lowers fuel consumption, improves operating costs, and reduces maintenance required.

The combination of the latest Polyisobutylene (PIB) and Polyether Amine (PEA) deposit control technologies, together with ETG's HPB™ (Hydrogen Polar Bonding) organic surfactant chemistry, provides a powerful mechanism for rapidly and safely cleaning both GDI and port fuel injectors, as well as carburetors. Downstream, OptiPlex FBC cleans intake and exhaust valves, combustion chambers, oxygen (O<sub>2</sub>) sensors, and catalytic converters.

OptiPlex FBC removes gums, varnishes, and carbon deposits in as little as one tank of fuel, and with continued use, will prevent their reformation.

A friction modifier in OptiPlex FBC reduces mechanical drag, lengthens in-service life, and improves fuel economy.

HPB™'s organic surfactant reduces the fuels' surface tension to allow fuel injectors and carburetors to produce far better atomization (smaller droplets) of the fuel which results in more rapid and complete combustion. More complete combustion means less work for the catalytic converter(s), which extends those devices' life expectancy and results in both better fuel economy and reduced emissions.

OptiPlex FBC using HPB™ will totally disperse water (both free and dissolved) using Hydrogen Polar Bonding, where the water's hydrogen atoms are chemically attached (bonded) to the hydrogen atoms in the fuels' hydrocarbon chain, effectively eliminating that water. OptiPlex FBC can remove up to 25% of its own volume of water. This same chemical process protects against phase separation in ethanol blended fuels (gasohol) and can be used to reverse phase-separated fuel.

OptiPlex FBC breaks down and removes the phosphorous and sulfurous coatings that can build up on oxygen (O<sub>2</sub>) sensors and in catalytic converters. This cleaning causes sensors to respond quicker, which allows the engine's computer to maximize performance.

OptiPlex FBC works with all types and grades of gasoline including conventional, reformulated, and ethanol blends up to and including E85.

OptiPlex FBC contains an anti-icing agent that prevents water from freezing and plugging fuel filters and fuel lines.

*OptiPlex FBC – the  
ultimate gasoline  
performance supplement  
with complete protection  
and fuel-borne catalyst  
in a single package.*

## All the Features of OptiPlex

- ✓ IMPROVES FUEL ATOMIZATION FOR MORE POWER, GREATER EFFICIENCY, AND REDUCED EMISSIONS
- ✓ PROVIDES A RAPID, ONE-TANK CLEANUP OF INJECTORS, CARBURETORS, FUEL PUMPS, VALVES, AND MORE
- ✓ CHEMICALLY ELIMINATES WATER
- ✓ CONTAINS A FRICTION MODIFIER
- ✓ CONTAINS AN ORGANIC-BASED SURFACTANT FORMULA
- ✓ REDUCES OXIDATION TO STABILIZE FUEL
- ✓ WORKS IN GDI, PORT FUEL INJECTION, AND CARBURETED ENGINES
- ✓ CONTAINS NO HARMFUL ALCOHOLS THAT CAN DAMAGE GASKETS AND SEALS
- ✓ CAN BE SAFELY AND EFFECTIVELY USED IN GASOLINE, GASOHOL, LP, NG, LNG, AND CNG

## Plus...

### Nanoparticle Fuel-Borne Catalyst:

- ✓ REDUCES PARTICULATE (SOOT) FORMATION
- ✓ REDUCES CO (CARBON MONOXIDE) EMISSIONS
- ✓ CLEANS PRE-EXISTING COMBUSTION CHAMBER AND EXHAUST VALVE DEPOSITS
- ✓ REDUCES UNBURNED HYDROCARBONS
- ✓ REDUCES PARTICULATE LOAD AND INCREASES EFFICIENCY OF CATALYTIC CONVERTERS
- ✓ IMPROVES COMBUSTION, REDUCING FUEL USAGE
- ✓ IS SAFE TO USE WITH ALL CATALYTIC CONVERTERS AND TRAPS
- ✓ IS STABLE UNDER A WIDE RANGE OF TEMPERATURES AND CONDITIONS



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## OptiPlex FBC

- chemically removes (disperses) the water found in all gasoline which:
  - provides a one-tank rapid cleanup of fuel injectors, carburetors, fuel pumps, combustion chambers, intake valves, and more
  - prevents corrosion of metal parts
  - prevents formation of damaging sulfuric acid
  - protects filters and fuel lines from freezing
  - prevents the thick, sticky slime that clogs fuel injectors and plugs fuel filters (water supports the growth of spores and bacteria)
- acts as an antioxidant, significantly slowing the oxidation of hydrocarbon fuels and stabilizes them
- helps hold wax in suspension, slowing the growth of crystals that plug filters in cold weather
- is a highly concentrated formula where one ounce treats 11.7 gallons
- contains no harmful alcohols that can damage gaskets and seals
- helps keep older equipment running longer and newer equipment running better
- is formulated with HPB™ - a proprietary water dispersion and surface tension reduction technology
- OptiPlex FBC can eliminate up to 25% of its own volume of water.



## OptiPlex FBC PACKAGING

PACKAGE SIZE	TREATS	QUANTITY/CASE	PART NO.
2 oz. Bottle	23 US Gallons	24 per case	01107-F002
8 oz. Bottle	93 US Gallons	24 per case	01107-F008
12 oz. Bottle	140 US Gallons	12 per case	01107-F012
32 oz. Bottle	375 US Gallons	6 per case	01107-F032
1 US Gallon	1,500 US Gallons	4 per case	01107-G001
2.5 US Gallons	3,750 US Gallons	2 per case	01107-G2.5
55 US Gallons	82,500 US Gallons	1 drum	01107-G055
270 US Gallons	405,000 US Gallons	1 tote	01107-G270
320 US Gallons	480,000 US Gallons	1 tote	01107-G320

## DIRECTIONS

- For best results, use every time you fuel, adding contents to fuel tank(s) prior to fueling. This will aid the mixing of the additive with the fuel.
- Use one ounce for each 11.7 gallons of fuel (1:1,500 treatment ratio).
- First-time users can use 1 ounce for each six gallons to speed the cleaning process.
- When operating in extreme conditions (marine, high humidity) it is acceptable to use the 1 ounce per six gallons dosage on a regular basis.

## PRODUCT STABILITY, STORAGE & HANDLING

### STABILITY - PROPERTIES

Appearance: Clear liquid, colorless to amber  
Density: 890 (+/-20) kg/m<sup>3</sup> at 60°F/15.5°C  
Stability: -10°F/-23°C up to 176°F/80°C  
Flash Point: 126°F/52°C

### STORAGE

- This product should be stored above -10°F/-23°C.
- Keep product container tightly closed.
- Product container should be stored in a well-ventilated location.
- Stability, when stored as described, is 36+ months in an unopened container.

### HANDLING

For more information, please consult the Safety Data Sheet (SDS) for this product.

All used and unused product and its containers should be disposed of in accordance with all local, state, and federal regulations.

### KEEP THIS PRODUCT OUT OF REACH OF CHILDREN.

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