

PolarChem FBC DIESEL FUEL TREATMENT WITH FUEL-BORNE CATALYST

PolarChem FBC (Fuel-Borne Catalyst) Diesel Fuel Treatment provides a new and unique group of features and benefits in addition to those found in the original PolarChem product.

PolarChem FBC Diesel Fuel Treatment is based on the premier winter diesel additive for improving cold weather operability for diesel engines, together with the benefits of the FBC (Fuel Borne Catalyst).

PolarChem FBC Diesel Fuel Treatment

- contains a powerful antigel used to prevent gelling of diesel fuels
- lowers Cold Filter Plug Point (CFPP) and Pour Point (PP) up to -30°F to -40°F
- contains a WASA (Wax Anti-Settling Agent) to prevent wax from dropping out of solution during periods of extended cold
- contains an anti-icing agent that prevents water from freezing and plugging fuel filters and fuel lines
- boosts cetane for quicker cold starts
- provides fuel injector cleaning
- FBC lowers the temperature at which carbon (fuel) begins to combust (burn). This provides a longer time for the fuel to burn during the combustion cycle and converts more of the fuels' energy into useful power. It also provides a much more complete combustion, reducing particulate (soot) 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 combustion chamber and in the catalytic Diesel Particulate Filter (DPF). 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.
- improves atomization of fuel, providing better, more complete combustion, better fuel economy and lower emissions
- reduces diesel particulate (soot) formation by up to 80%, significantly cutting the number of DPF regeneration cycles, saving fuel and extending the life of emission control devices and components
- removes or disperses approximately 20% of its own volume of free or dissolved water (H2O)
- fully concentrated formula (no carriers, 100% active components)



The high-tech solution for cold weather diesel operations – the one to rely on when you need to go!

All the Features of PolarChem

- ✓ **LOWERS CFPP AND PP OF DIESEL AND BIODIESEL BLENDS UP TO -30°F TO -40°F**
- ✓ **WORKS ACROSS A BROAD SPECTRUM OF MIDDLE DISTILLATE (DIESEL, HEATING) AND BIODIESEL-BLENDED FUELS**
- ✓ **CHEMICALLY ELIMINATES WATER**
- ✓ **PREVENTS ICING OF FILTERS AND FUEL LINES**
- ✓ **DISPERSES PARAFFIN WAX, PREVENTS WAX FROM AGGLOMERATING AROUND WAX SEED CRYSTALS. WORKS TO PREVENT WAX DROP-OUT DURING PERIODS OF EXTENDED, VERY COLD TEMPERATURES**
- ✓ **PROVIDES BOTH EXTERNAL (INJECTOR TIP AND NOZZLE) AND INTERNAL DIESEL INJECTOR DEPOSIT (IDID) FUEL INJECTOR CLEANING**
- ✓ **PROVIDES ALL THE BENEFITS OF ETG's EcoFuel™**

Plus...

Nanoparticle Fuel-Borne Catalyst:

- ✓ **REDUCES PARTICULATE (SOOT) PRODUCTION**
- ✓ **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 DPFs**
- ✓ **REDUCES THE CONSUMPTION OF DEF**
- ✓ **IMPROVES COMBUSTION, REDUCING FUEL USAGE**
- ✓ **WORKS WITH ALL GRADES OF DIESEL AND BIODIESEL**
- ✓ **IS SAFE TO USE WITH ALL DPF AND CATALYTIC TRAPS**
- ✓ **IS STABLE UNDER A WIDE RANGE OF TEMPERATURES AND CONDITIONS**

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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.
- For best cold weather results use 32 oz. for each 250 gallons of fuel (1:1,000 treatment ratio). For less severe temperatures, 1:1,500 may provide adequate protection. First-time users or in temperatures below 0°F, use 32 oz. for each 125 gallons (1:500) to improve fuel flow and speed the cleaning process.
- When operating in extreme conditions (very cold weather) it is acceptable to use the 32 oz. per 125 gallons dosage on a regular basis.

Cold Weather Operability:

- 32 oz. per 375 US gallons (1:1,500 treatment ratio) will typically lower CFPP (Cold Filter Plug Point) and PP (Pour Point) by up to -10°F to -20°F.
- 32 oz. per 250 US gallons (1:1,000) will typically lower CFPP and PP by up to -30°F to -40°F.
- 32 oz. per 125 US gallons (1:500) can lower CFPP and PP by up to an additional -5°F to -10°F.



PRODUCT STABILITY, STORAGE & HANDLING

STABILITY - PROPERTIES

Appearance: Amber to dark brown
 Density: 925 (+/- 20) kg/m³ at 60°F/15.5°C
 Stability: -10°F/-23°C up to 176°F/80°C
 Flash Point: 121°F/49°C

STORAGE

- This product should be stored above 40°F/4.4°C. If product is subjected to temperatures below 40°F/4.4°C, allow to warm to 60°F/15.5°C before using.
- Keep product container tightly closed.
- Product container should be stored in a well-ventilated location.
- Stability, when stored as described in an unopened container, is 36+ months.

HANDLING

This product should be handled in the same manner and with the same precautions as diesel fuel.

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.

PolarChem FBC Diesel Fuel Treatment PACKAGING

| PACKAGE SIZE | TREATS | QUANTITY/CASE | PART NO. |
|----------------|----------------------------|---------------|------------|
| 32 oz. Bottle | 250/375 US Gallons | 6 per case | 01102-F032 |
| 1 US Gallon | 1,000/1,500 US Gallons | 4 per case | 01102-G001 |
| 2.5 US Gallon | 2,500/3,750 US Gallons | 2 per case | 01102-G2.5 |
| 55 US Gallons | 55,000/82,500 US Gallons | 1 ea. | 01102-G055 |
| 270 US Gallons | 270,000/405,000 US Gallons | 1 ea. | 01102-G270 |
| 320 US Gallons | 320,000/480,000 US Gallons | 1 ea. | 01102-G320 |

Notice to Purchaser:

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