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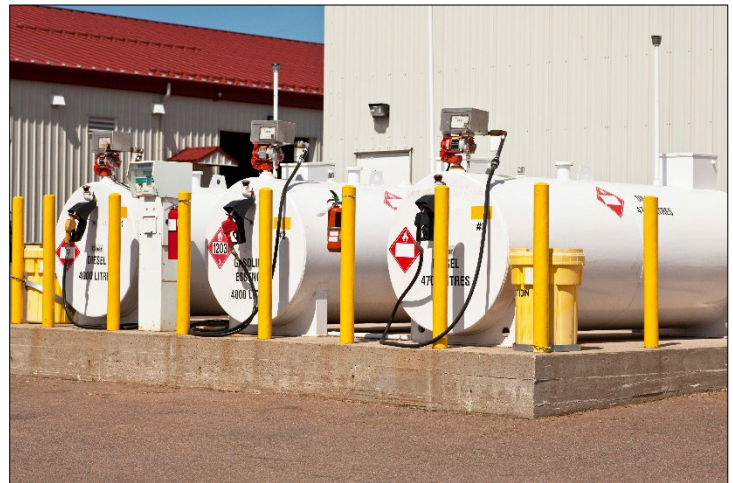


Attention: Editor
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PRESS RELEASE



Get More Efficient, Comprehensive Corrosion Protection with VpCI®-707 Fuel Additive!

Corrosion inside fuel tanks can lead to serious problems from leakage or corrosion products that clog the system. To make matters worse, the issue may be difficult to detect inside the hidden atmosphere. All too often, corrosion occurs in the headspace above the fuel where water condenses and fuel additives cannot reach. Cortec® VpCI®-707 changes that by delivering more comprehensive, efficient protection to the entire tank.



Cortec's Newest Generation Fuel Additive

[VpCI®-707](#) is Cortec's newest generation fuel additive for protection of fuel systems from corrosion during operation, storage, or shipment. It effectively provides corrosion protection in the fuel system not only in direct contact with the treated fuel, but also in the vapor space above the fuel line. This is due to the presence of Vapor phase Corrosion Inhibitors that diffuse throughout enclosed voids and adsorb on metal surfaces as a protective molecular layer. VpCI®-707 also offers improved water handling and improved fuel stability.



How to Use VpCI®-707

The characteristics of VpCI®-707 make it suitable for day-to-day operation, intermittent operation, and storage. There are two main applications. One is to add VpCI®-707 directly to gasoline or diesel fuel in blending, storage, or vehicle tanks that are in use. This can be done at a dose of 0.02-0.2% per tank volume. Dry fuel storage tanks being shipped or stored can be fogged with VpCI®-707 concentrate,

covering as much internal surface area as possible (although the vapors are also designed to protect surfaces to which it is not directly applied).

Fighting Corrosion on Tank Farms

Airports, gas stations, farms, and other facilities that have tank farms and/or store a large amount of fuel onsite can benefit from VpCI®-707 to minimize the amount of corrosion that occurs inside the tanks. Instead of relying on contact-only inhibitors, tank owners and managers can fight corrosion in all parts of the tank, including the vulnerable ceilings where moisture is more likely to condense and cause corrosion.

Corrosion Protection During Export

Another great use of VpCI®-707 is for the protection of fuel tanks in new trucks or heavy equipment being exported to other states or countries. During overseas transport, changes in temperature and humidity can cause condensation to build up inside the tanks, leading to corrosion by the time the equipment reaches its destination. Instead of opening the tank to find a shiny metal interior, the receiving workers may unscrew the fuel cap only to



find corrosion spots inside—hardly the sight that manufacturers want customers to see on a new vehicle. One of the challenges with using traditional contact-only corrosion inhibitors is that the fuel tank must be filled as full as possible to get maximum protection. This can be dangerous and difficult during transport. It is often preferable to fill the fuel tanks with only enough fuel to drive the equipment up onto the flatbed or into the container and drive it off the trailer when it reaches the end user. VpCI®-707 makes this possible since it can be fogged into an almost empty tank to protect the entire void.

Other possible applications the following:

- Equipment operating in harsh industrial or offshore environments
- Generators or other equipment going into seasonal storage
- Industrial plants going into temporary layup

Protect More with VpCI®-707

Fuel tank corrosion is nothing to play around with. The hazardous nature of fuel means that leakage should be avoided because of its polluting and flammable nature. VpCI®-707 helps by protecting areas of the tank that other corrosion inhibitors may not be able to reach and making it easy for manufacturers to leave less fuel in the tank during transport. [Contact Cortec® to learn more about using VpCI®-707 in your application!](#)



VpCI®-707

APPLICATION

Is use suitable on steel tanks:
• All VpCI®-707 should be applied to interior or closed tank in handling, storage, or ready to use.
• Storage: 1.02-1.20 gal volume of tank to be protected.

Storage and shipment of dry fuel tanks:
• The VpCI®-707 concentrate rate tank, carrying no more than 100 lbs of fuel.

TYPICAL PROPERTIES

Appearance	Clear yellow liquid
Density per gallon (lb/wg)	7.7 (at 60°F at 1 atm)
Flash Point	105 °F (41 °C)
Viscosity (cP)	1.4

PRODUCT DESCRIPTION

VpCI®-707 is a specially formulated additive designed to protect fuel systems from corrosion during transportation, operation, storage, or shipment. It effectively provides corrosion protection to the fuel system and can be stored with the regular fuel. VpCI®-707 can be effectively used on a fuel additive, for short-term protection, seasonal operation, preservation, and long-term storage.

FEATURES

- Non-toxic to users and animals.
- Does not irritate eyes, mouth, skin, or respiratory system.
- May be used in open-day operations, maintenance operations, and storage.

BENEFITS

- Reduces rust and water protection before and after the fuel in the tank and fuel system.
- Improved fuel energy.
- Improved water handling.
- Good system cleaning capabilities.
- Good dispenser compatibility.

TEST RESULTS

Test	Results
Acid	Pass
Acid Corrosion (ASTM D2652)	Pass
Corrosion of Copper (ASTM D153, 180, 186, 191, 192)	Pass
Corrosion of Steel (ASTM D1738)	>500 hr
Dielectric Strength	Pass
Dielectric Stability (ASTM D2474)	Pass
Dielectric Breakdown Voltage (ASTM D1816)	>15 kV (1.5 mg/100 ml)
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