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PRODUCT RELEASE



Cortec® Introduces the Next Generation of Corrosion Inhibiting Fuel Additives!

Cortec® has developed the next generation of VpCI® fuel additives for more potent corrosion protection of fuel systems! Cortec® VpCI®-707 has been specially formulated to protect fuel tanks and systems from corrosion and sludge formation without damaging copper and aluminum. It is a powerful option for keeping new and existing fuel tanks and systems in good condition during day-to-day operation and



especially during vulnerable times such as intermittent operation, storage, or shipment. Other benefits of VpCI®-707 are its improved water handling and good injector-cleaning capabilities. VpCI®-707 does not contain trace metals, chlorides, chromates, nitrites, phosphates, or secondary amines.

Because of its combined contact-phase and vapor-phase action, VpCI®-707 effectively provides corrosion protection to metal surfaces not only in direct contact with the treated fuel, but also in the void space above the fuel line. This allows VpCI®-707 to be applied at a very low dose compared to the volume of the tank

being protected. VpCI®-707 can be added directly to gasoline or diesel fuel in blending, storage, or vehicle tanks. It can also be fogged as a concentrate into dry fuel tanks before storage and shipment.

Comparing Cortec® Fuel Additive Protection



With the development of VpCI®-707, Cortec® R&D has made an excellent improvement to its fuel additive offerings. VpCI®-707 outperforms VpCI®-705 in many aspects, including fuel stability and contact- and vapor-phase corrosion protection. While VpCI®-705 remains an excellent preservation tool with a long-standing history, VpCI®-707 represents the newest generation of corrosion protection in fuel systems. Compared to VpCI®-706,

which provides the strongest vapor-phase protection of all three additives but is corrosive to copper, Cortec's new VpCI®-707 is a powerful alternative for use when multi-metal protection is needed, or when protection is needed for fuel components that may not be fully enclosed.

The Importance of Fuel Additives

Applying a good corrosion inhibiting additive to fuel tanks and systems is an important part of the preservation process especially when vehicles, tanks, or equipment will be going through a period of disuse. Otherwise, harsh environments and stagnation can lead to sludge formation and the deterioration of even new metal components. VpCI®-707 can be used for fuel stabilization and corrosion protection in countless applications like the following:

- Large or small fuel storage tanks
- Heavy equipment or vehicles being shipped overseas
- Equipment operating in harsh industrial or offshore environments
- Generators or other equipment going into seasonal storage
- Industrial plants going into temporary layup



For users seeking good corrosion protection and fuel stability in any of these applications, Cortec® has made a higher level of protection possible by developing VpCI®-707, the next generation of VpCI® fuel additives!

To learn more about VpCI®-707, please visit:

<https://www.cortecvci.com/products/vpci-for-oil-gas-and-process-industries/vpci-707/>



VpCI®-707

APPLICATION

For use gasoline or diesel tanks, fuel systems, or equipment. It effectively provides corrosion protection in the fuel system and only in direct contact with the treated fuel, but also on the vapor space above the fuel tank. VpCI®-707 can be effectively used as a fuel additive for day-to-day operation, intermittent operation, preparation, and long term storage.

TYPICAL PROPERTIES

Appearance: Clear yellow liquid
 Weight per Gallon (Density): 7.2-7.4 lb/gal (5.60-5.89 kg/l)
 Flash Point: 120°F (49°C)
 Viscosity (cP): 1.4

PRODUCT DESCRIPTION

VpCI®-707 is a specially formulated fuel additive designed to provide fuel system corrosion and deposit formation during operation, storage, or shipment. It effectively provides corrosion protection in the fuel system and only in direct contact with the treated fuel, but also on the vapor space above the fuel tank. VpCI®-707 can be effectively used as a fuel additive for day-to-day operation, intermittent operation, preparation, and long term storage.

FEATURES

- Corrosion to copper and aluminum
- Does not contain heavy metals, phosphates, zinc, or glycolamines
- May be used in day-to-day operation, intermittent operation, and storage

BENEFITS

- Improved control and vapor protection below and above the level of the fuel in fuel tanks and fuel systems
- Improved fuel stability
- Improved vapor handling
- Good rubber cleaning capabilities
- Good oxidation compatibility

TEST RESULTS

Test	Result
Blue Passivation (ASTM D660)	Pass
Concentration for Copper (ASTM D660, 300°C, 10g H ₂ O, 100°C)	1g
Flammability Testing (ASTM D155)	>3000 hr
ASTM D155	Pass
Corrosion Stability (ASTM D2029)	
• Copper Filtration residue	<0.1 mg/100 mL
• Filtrate residue	<0.1 mg/100 mL
• Copper Filtration residue	<0.1 mg/100 mL
• Filtrate residue	<0.1 mg/100 mL

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Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified.

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