



VpCI® FORMULATED PRODUCTS FOR PROCESS INDUSTRIES

VpCI®-705



PRODUCT DESCRIPTION

VpCI®-705 is specially formulated for use as a multifunctional fuel additive. It serves as a corrosion inhibitor, fuel stabilizer, and water emulsifier for gasoline, diesel, and gasohol mixtures. VpCI®-705 provides corrosion protection, lubricity, and elastomer protection. As a fuel stabilizer, this product provides better engine performance.

VpCI®-705 provides excellent corrosion protection for all common engineering metals used in automotive fuel systems including aluminum, aluminum die cast and zinc die cast alloys, tinplate, copper, ferrous alloys, cast iron, and solder.

VpCI®-705 provides corrosion protection in gas/gas condensate transmission lines and collectors even in the presence of aggressive contaminants such as electrolytes, hydrogen sulfide and carbon dioxide. VpCI®-705 provides excellent protection in both continuous and intermittent treatment.

This product gives unique multi-metal corrosion protection in all phases: liquid, interface, and vapor phases. Furthermore, due to its tenacious film-forming properties, VpCI®-705 even provides corrosion protection to non-metallics; i.e. rubber gaskets, seals and plastics against oxidation, cracking, and aging.

TYPICAL APPLICATIONS

- Fuel tanks
- Carburetors
- Fuel pumps
- Upper engine cylinder components
- Natural gas/gas condensate sales lines and collectors

ADVANTAGES

- May be used in operation and storage
- Blends with gasoline
- Protects all metals including tinplate, solder, copper, aluminum, steel, and brass
- Protects upper cylinder walls, piston heads, and rings during shutdown
- Good low temperature fluidity and relatively high flashpoint permitting ease and safety of application
- Provides protection in liquid and vapor phase and at liquid/air interface
- Passes Rust test in accordance to MIL-PRF-25017G, category 1
- Passes Rust test in accordance to ASTM D 665-92
- Liquid, easy to blend
- Fuel stabilizer allows better engine performance
- Does not contain trace metals, chlorides, chromates, nitrites, or phosphates
- Does not form corrosive products
- Displaces water in contact with tank walls and fuel lines
- Can be fogged into gas tanks
- **General Motors Corporation Approved Part No 10661800**
- EPA (Environmental Protection Agency) Identification #1733-0002

APPLICATIONS

In-use gasoline tanks:

Add VpCI®-705 to gasoline or diesel fuel, fuel blending and storage facilities, or directly to fuel tanks.

Dosage: 0.1 - 0.15% per volume of tank to be protected.



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CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

Storage and shipment of dry fuel tanks:

Fog VpCl®-705 concentrate into tank covering as much internal surface area as possible.

Dosage: 1.5 oz. per 10 U.S. gallons tank volume (45 ml per 37 liters of tank volume.)

Sales Gas and Gas-Condensate lines:

Inject VpCl®-705 at the dosage rate of 1/4 to 1/2 pint per million cubic feet of gas.

Treatment of liquid gas tanks:

Treatment ranges from 100-200 ppm and depends on liquid gas chemistry and CO₂/H₂S content.

PHYSICAL PROPERTIES

Appearance Density	Clear yellow liquid
Density	6.7-6.9 lb/gal (0.80-0.83 kg/l)
Odor	Faint
Flash Point	171 °F (77 °C)
Non-volatile Content Coverage	17-23%
Coverage	770-790 ft ² /gal (18-19 m ² /l)
Melt Point	-78 °F (-61 °C)
Viscosity	-104 °F (40 °C) 12.19mm ² /S

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT SAFETY DATA SHEET FOR MORE INFORMATION

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec® Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec® Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.
BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE,

STANDARD TEST METHODS

ASTM D-97	Pour Point
ASTM D-130	Copper Strip Corrosion
ASTM D-665	Rust Preventative Characteristics
ASTM D-974	Acid/Base Number by Titration
ASTM D-1401	Water Separability Testing
ASTM D-1748	Humidity Testing
ASTM D-2196	Brookfield Viscometer
General Motors Part Number 10661800	

PACKAGING

VpCl®-705 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.



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