



VpCI® FORMULATED PRODUCTS FOR PROCESS INDUSTRIES



# VpCI® -705 Bio Additive for Bio-fuels



Without VpCI-705 Bio



Fuel treated with VpCI-705 Bio

## PRODUCT DESCRIPTION

VpCI-705 Bio is specially formulated for use as a multifunctional fuel additive to biodiesel and other bio-fuels. It serves as a corrosion inhibitor, fuel stabilizer, and water emulsifier for biodiesel, diesel, and gasoline. VpCI-705 Bio provides corrosion protection, lubricity and elastomer protection for biobased fuels. As a fuel stabilizer, this product provides better engine performance.

VpCI-705 Bio provides excellent corrosion protection for all of the 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 Bio gives unique multimetal corrosion protection in all phases: liquid, interface and vapor phases above and below the fuel level.

## TYPICAL APPLICATIONS

- Fuel tanks
- Carburetors
- Fuel pumps
- Upper engine cylinder components

## ADVANTAGES

- Environmentally friendly
- Biobased product
- May be used in operation or storage
- Provides efficient corrosion protection in biodiesel, diesel, and gasoline
- Protects all metals including tinplate, terneplate, solder, copper, aluminum, steel and brass
- Protects upper cylinder walls, piston heads and rings during shutdown

- Provides protection in liquid and vapor phase and at liquid/air interface
- Passes Rust test in accordance to MIL-I-25017
- Passes Rust test in accordance to ASTM D665-92
- Liquid, easy to blend
- Fuel stabilizer allows better engine performance
- Does not contain trace metals, chlorides, chromates, nitrites or phosphates
- Does not form corrosive combustible products
- Absorbs water in tank and fuel line
- Can be fogged into fuel tanks

## APPLICATION

In-use fuel tanks:

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

Dosage: 0.1 - 0.2% per volume.

Storage and shipment of dry fuel tanks:

Fog VpCI-705 Bio 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.)

## PHYSICAL PROPERTIES

Appearance	Clear amber liquid
Density	7.3-7.6 lb/gal (0.87-0.91 kg/l)
Odor	Vegetable oil-like
Non-volatile Content	84-88%
Coverage	770-790 ft <sup>2</sup> /gal (18-19 m <sup>2</sup> /l)
Flash Point	316°F (158°C)

## PACKAGING

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



**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**

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