



EcoLine™



SOY BASED CORROSION PROTECTION



Products From Americas' Renewable Resources For
Agricultural & Industrial Professionals

EcoLine™

EcoLine™ products are based on a renewable resource soybean derivatives, called soybean methyl esters. These Soya-based products provide excellent lubricity and biodegradability. EcoLine™ products are better for the environment and leave behind a high performance VpCI corrosion-protecting layer. These products have been developed in partnership with AURI and the Minnesota Soybean Research and Promotion Council.



As soon as the ISO 14001 guidelines were published in 1996, Cortec made the commitment to become ISO 14001 certified. In March 1998, Cortec Corporation became one of the first companies in Minnesota to receive ISO 14001 certification.



CORROSION PROTECTION WITH ENVIRONMENTALLY FRIENDLY SOY BASED PRODUCTS



EcoLine™ VpCI Universal Fuel Additive



Fuel treated with EcoLine™ VpCI® Universal Fuel Additive



Fuel without EcoLine™ VpCI® Universal Fuel Additive

EcoLine™ VpCI® Fuel Additive is specially formulated for use as a multifunctional fuel additive. It serves as a corrosion inhibitor, fuel stabilizer, and water emulsifier for gasoline, diesel, biodiesel, gasohol mixtures and alcohol fuels .

EcoLine™ VpCI Fuel Additive provides excellent corrosion protection for all of the common engineering metals used in automotive fuel systems. Provides corrosion protection in all phases: liquid, interface and vapor phases above and below the fuel level. Due to its tenacious film-forming properties, EcoLine™ VpCI Fuel Additive even provides corrosion protection to non-metals, i.e. rubber gaskets, seals and plastics against oxidation, cracking and aging.

- May be used in operation and in storage.
- Provides efficient corrosion protection in diesel fuels, gasoline and alcohol fuels including methanol and ethanol
- Blends with gasoline
- Protects all metals
- Protects upper cylinder walls, piston heads and rings during shutdown.
- Provides protection in liquid and vapor phase and at liquid/air interface
- 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 gas tanks

Package: 14 oz. (396 g) cartridges, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.



EcoLine™ VpCI® Bearing, Chain & Roller Lube

- Thermally stable
- Replaces and mixes freely with conventional petroleum-based bar & chain oils
- Resists sling-off from high speed chains
- Prevents smoking under load
- Reduces vibration and noise for smooth chain operation
- Meets USDA's Bio-based EO 13101
- Meets to EPA's EPP criteria
- Biodegradable
- Non-Flammable

Package: 16 oz. (0.47 liter) bottles, 1 gallon (3.7 liter) pails, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.



EcoLine™ VpCI® Long Term Rust Preventative

- Multi-metal protection
- Penetrates to loosen rusty or corrosion frozen parts
- Designed to protect against salt spray and high moisture conditions
- Includes proprietary VpCI™ technology
- Non-Flammable
- Biodegradable

Package: 16 oz. (0.47 liters) bottles, 5 gallon (19 liters) pails, 55 gallon (208 liters) drums, liquid totes and bulk.



EcoLine™ VpCI® Surface Cleaner & Degreaser

- Industrial Strength Concentrate
- Designed to be used in Industrial and Commercial cleaning applications
- Neutral pH Balanced
- Includes proprietary VpCI™ technology
- Provides corrosion protection
- Non-Flammable
- Biodegradable

Package: 16 oz. (0.47 liters) bottles, 5 gallon (19 liters) pails, 55 gallon (208 liters) drums, liquid totes and bulk.



EcoLine™ VpCI® Heavy Duty Grease

- Provides superior lubricity
- Resists viscosity drop at high temperatures
- Superior adhesion and resists water wash out
- Excellent outdoor protection
- Self-healing protection
- High flash and fire points reduce fire hazards
- Meets EPA's EPP criteria
- Meets USDA's Bio-based EO 13101
- Biodegradable
- Non-Flammable

Package: 14 oz. (396 g) cartridges, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.



EcoLine™ VpCI® All Purpose Lubricant

- Industrial concentrate
- Greaseless Lubricity
- Modified for use with extreme pressure loads
- Includes proprietary (VpCI™) technology
- Non-Flammable
- Biodegradable

Package: 16 oz. (0.47 liters) bottles, 5 gallon (19 liters) pails, 55 gallon (208 liters) drums, liquid totes and bulk.

EcoLine™

EcoLine™ products have been developed in partnership by the Minnesota Soybean Research & Promotion Council and Cortec Corporation. Cortec is an award winning company dedicated to controlling corrosion at all stages of a product life cycle. Cortec is an ISO-9001 and ISO-14001 certified company. Agdustril is a Cortec authorized National Master Distributor distributing environmentally friendly products to the bulk lubrication and agricultural markets.

**Protect Your Equipment
& Machinery
Investments with
Patented VpCI®
Technologies While
Protecting America's
Environment**



HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	A

VpCI® Technology



Health, safety and pollution control. Cortec's® formulations, using the newest chemical technology available, help alleviate your concerns in the areas of health, safety, flammability and pollution control.

Multimetal protection. A full range of corrosion inhibitors is available to protect ferrous and non-ferrous metals, including formulations that protect combinations of metals to prevent galvanic corrosion.

Short- and long-term protection. There's a Cortec® solution whether you need temporary protection during maintenance and operations,

medium-term protection for shipment and storage or extended protection for lay-up, mothballing and field service for anything from weaponry to ground equipment to vehicles to avionics.

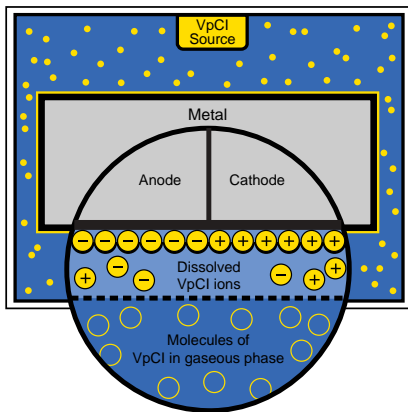
For a variety of environmental conditions. Now you can effectively protect your metals and products against humidity and aggressive atmospheres as well as against corrosive industrial, marine and tropical atmospheres.

Protected parts are immediately ready for use. The protective invisible molecular layer deposited by Cortec® Vapor phase Corrosion

Inhibitors (VpCIs) needs no removal. No degreasing, scraping, cleaning or further preparation is necessary before processing, installation or use. Your VpCI protected components, parts and finished assemblies are always ready for immediate use. Cortec® barrier coatings are easily removed with conventional cleaning methods.

Does not alter most material properties. In the majority of cases, the invisible protective ionic layer of Cortec® VpCIs does not alter important surface properties. This is true even for most precision electronic devices where conductivity, permittivity and dimensional tolerances are crucial.

Ionic Action of VpCI® Creates a Molecular, Inhibiting Layer.



VpCIs:

- Vaporize.
- Conditions enclosed atmosphere with a protective vapor.
- Vapor migrates to all recessed areas and cavities.
- Vapor condenses on all metal surfaces.
- Ions dissolve in moisture layer (water electrolyte).
- Protective ions are attracted to metal surfaces.
- Ions form a thin, monomolecular protective layer which is adsorbed to the metal surface.
- Have a high bonding energy.
- Are individual or combinations of chemical compounds with varying vapor pressures.
- Protective layer re-heals and self-replenishes through further condensation of the vapor.

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 product 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.

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ISO 9001



ISO 9001



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