



VpCI® METALWORKING PRODUCTS



Ecofog® VpCI®-337 Biodegradable Fluid



PRODUCT DESCRIPTION

Ecofog® VpCI®-337 is a ready-to-use waterborne vapor corrosion inhibitor for temporary protection of equipment and plants. It is a complete replacement for nitrogen blanketing and dry air systems that are both expensive to install and maintain. Nitrogen blankets are also a health hazard to personnel entering the interiors. Vapor phase Corrosion Inhibitors (VpCIs) in Ecofog® VpCI®-337 migrate and protect metal surfaces, resulting in time and cost savings. The Ecofog® VpCI®-337 is used to fog void spaces, tanks, containers, packages, and enclosures. These labor-saving techniques use a minimum of product to protect large areas or volumes. Ecofog® VpCI®-337 is effective on ferrous and non-ferrous metals as well as aluminum, plated steels, and copper. Ecofog® VpCI®-337 is consistently successful in providing protection to the basic metals, metalworking, and packaging industries.

In most cases, products protected by Ecofog® VpCI®-337 are ready-to-use. No degreasing or stripping is necessary by most end users. The metal will retain a clean, rust-free surface. In most cases, the thin protective film will not affect paintability, conductivity, appearance, or any other important property of metals or alloys.

Ecofog® VpCI®-337 is also available in a cold weather version. Ecofog® VpCI®-337 Winterized has a lower freezing point for the convenience of application and storage in cold temperatures.

FEATURES

- Biodegradable (87% biodegradation in 28 days)
- Contains vapor phase inhibitors which provide multimetal corrosion protection
- Forms a thin, self-healing layer of VpCI® that is environmentally safe for use
- Ready-to-use
- Protection is immediate, convenient to apply, and easy to remove if required

*Biodegradability applies to Ecofog® VpCI®-337 only

TYPICAL APPLICATIONS

- Piping and pipe spools
- Void space protection
- Complex internal cavities
- Double wall spaces

TYPICAL PROPERTIES

Ecofog® VpCI®-337

Appearance	Clear to hazy amber liquid
Carrier	Water
Film Type	Thin, soft film
Flash Point	>200°F (93°C)
Freeze Point	32°F (0°C)
Non-volatile Content	32-38%
pH	7.2-9.0 (neat)
Weight per Gallon	8.7-8.9 lb/gal (1.04-1.06 kg/l)

Ecofog® VpCI®-337 Winterized

Carrier	Water + Propylene Glycol
Freeze Point	-47.2°F (-44°C)
Non-volatile Content	26-31%
pH	7.0-8.6 (neat)
Weight per Gallon	8.8-9.2 lb/gal (1.05-1.10 kg/l)

Note: Product may become hazy after a few days.

METALS PROTECTED

- *Hot/cold-rolled steel*
- *Silicon steel*
- *Stainless steel*
- *Cast iron*
- *Zinc*
- *Aluminum*
- *Copper*
- *Brass*

APPLICATION

Mix thoroughly prior to application.

Fog or mist into containers, boxes, crates, and shrouded packages at a rate of 0.5-1.0 oz./ft³ (0.5-1.0 L/m³) of enclosed space. Always spray Ecofog® VpCI®-337 uniformly within enclosure and allow direct access of vapors to metal surfaces to be protected.

Please contact Cortec® Technical Service for specific dosing, equipment recommendations, and application guidance.

PACKAGING AND STORAGE

Ecofog® VpCI®-337 is packaged in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, totes, and bulk.

Minimum storage temperature: 40°F (4°C)

Maximum storage temperature: 120°F (49°C)

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

Ecofog® VpCI®-337 Winterized is packaged in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, totes, and bulk.

Minimum storage temperature: -40°F (-40°C)

Maximum storage temperature: 120°F (49°C)

Shelf life is 24 months.

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.

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