



VpCI®-337 / VpCI®-337 Winterized



PRODUCT DESCRIPTION

VpCI®-337/ VpCI® 337 Winterized is a ready-to-use waterborne corrosion inhibitor used primarily for robust preservation of internal void spaces. Vapor phase Corrosion Inhibitors (VpCI®) in VpCI-337/ VpCI® 337 Winterized migrate to protect metal surfaces resulting in time and cost savings. When combined with labor-saving techniques, minimum amount of product can be used to protect large areas or volumes. VpCI-337/ VpCI® 337 Winterized is effective on multiple metals.

VpCI®-337 is a combination of contact and vapor corrosion inhibitors, which allows a wide range of uses; from low-dose void-space protection to steel coil edge spray.

Pipes, tanks, and other equipment protected by VpCI®-337/ VpCI® 337 Winterized are ready-for-use or commissioning, often without the need for removal*. VpCI®-337/ VpCI® 337 Winterized is completely water-soluble allowing ease of use for pigging, purging or other existing processes. No degreasing or stripping is necessary. The metal will retain a clean and rust-free surface. In most cases, the thin protective film will not affect paint processes, conductivity, appearance, or any other important property of metals or alloys. VpCI®-337 Winterized has a lower freezing point for the convenience of application and storage in cold temperatures.

*Please review your application with Cortec® prior to commissioning.

FEATURES

- Contains multi-metal vapor and contact corrosion inhibitors
- Leaves a thin, self-healing film
- Supplied ready-to-use
- Low dosage for large void spaces
- Protection is immediate, convenient to apply, and easy to remove
- Provide protection periods up to:
 - Edge Spray: 12 months outdoor sheltered
 - Internal Fog: 24 to 36 months
 - Preservation & Deep Storage: 60+ months

Biodegradable (87% biodegradation in 28 days)*

*Testing results apply to VpCI®-337 only

Contact Cortec® Corporation Representative for application guidelines

TYPICAL APPLICATION

- Pipe, spool, modules
- Void space protection
- Edge spray for coils
- Double wall spaces
- Complex internal cavities
- Deep storage of key assets

METALS PROTECTED

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



TYPICAL PROPERTIES

VpCI®-337

Appearance	Clear to hazy amber liquid
Carrier	Water
Film Type	Thin, soft film
Flash Point	>200°F (93°C)
Freeze Point	12°F (-12°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)

VpCI®-337 Winterized

Appearance	Clear amber liquid
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.

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

APPLICATION

Material Handling:

Fog or mist into containers, boxes, crates, and shrouded packages at a rate of 1 oz./ft³ (1 L/m³) of enclosed space. Always spray VpCI®-337 uniformly within enclosure and allow direct access of vapors to metal surfaces to be protected.

Dry Time:

VpCI®-337 <45 minutes

VpCI®-337 Winterized 3 hours

Product Cleanup:

Use soap and water to clean equipment.

PACKAGING AND STORAGE

VpCI®-337 is packaged in 13 oz net wt. (384 ml) recyclable aluminum cans (12/carton), 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, totes, and bulk.

Minimum storage temperature: 12°F (-12°C)

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

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

Minimum storage temperature: -45.4°F (-43°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.

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,

AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec® Corporation.

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