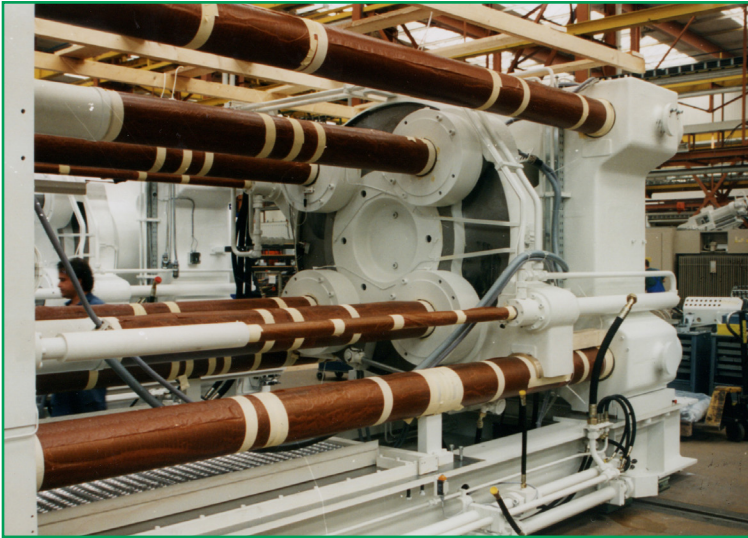




## MICRO-CORROSION INHIBITING COATINGS POWERED BY NANO VPCL®

# VpCl®-369



### PRODUCT DESCRIPTION

VpCl®-369 is Cortec's best inhibitor for use as an oil additive and/or temporary coating. The protective film is self-healing and moisture-displacing, providing superior protection against aggressive environments. VpCl®-369 is also excellent when used as an oil additive for mothballing, shipping, or storage of parts and equipment. In small percentages, VpCl®-369 has a minimal effect on viscosities.

Cortec® VpCl®-369 is available prediluted with mineral spirits at the ratio 1:1 as VpCl®-369 H, which is recommended for spray can applications.

VpCl®-369 also comes with an UV tracer, as VpCl®-369 UV. VpCl®-369 UV shows as a bright blue under black UV light, making quality assurance on coverage of the rust preventative particularly convenient when it is used as temporary coating.

### FEATURES

- Self-healing
- Excellent lubricity
- Extends tool life for metalworking operations
- Excellent outdoor protection
- Excellent oil additive
- Dilutable with oil
- Meets MIL-PRF-16173E (Grade 2) Corrosion Testing Requirements
- NSN 8030-00-244-1295
- NSN 8030-00-244-1297
- NSN 8030-00-244-1298
- NSN 8030-01-149-1731

### TYPICAL APPLICATION

- Wire rope
- Electrical connections/wiring
- Sheltered coating
- Gear protectant/lubricant
- Long-term (5+ years) equipment lay-up
- Stamping oil additive
- Drawing oil additive
- Cylinders
- Working/moving parts

### PROTECTION PROPERTIES

	ASTM	DFT	Carbon Steel (1010)	Aluminum
Humidity	D-1748	2-3 mil (50-75 microns)	3000+ hr	3000+ hr
Salt Spray	B-117	2-3 mil (50-75 microns)	900+ hr	3500+ hr

### METALS PROTECTED

- Silver
- Cast Iron
- Stainless Steel
- Copper
- Magnesium
- Aluminum
- Carbon Steel

### MINIMUM REQUIREMENTS FOR SURFACE PREPARATION

NACE	SSPC	ARS
4	7-63	As low as B-3

Methods for Monitoring:  
Wet Film Thickness Gauge



## TYPICAL PROPERTIES

Appearance	Light beige/tan viscous liquid
Film Type	Oily
Flash Point	325.4°F (163°C)
Viscosity	7400cp (40°C)
Shelf Life	24 months @ 75°F (24°C)
Non-volatile Content	95-99%
Theoretical Spread Rate	753-1506 ft <sup>2</sup> /gal @ 1-2 mils (18.8-37.6 m <sup>2</sup> /l @ 25-50 microns)
Weight per Gallon	7.7-8.4 lb/gal (0.92-1.01 kg/l)
Temperature Resistance (Fully Cured)	-108°F to 300°F (-78°C to 150°C)

## STANDARD TEST METHODS

ASTM D-1735	Water Fog Cabinet
ASTM D-1748	Humidity Cabinet
ASTM B-117	Salt Fog Cabinet
ASTM D3690	VOC
ASTM D522	Flexibility
MIL-PRF-16173E	Grade 2
NACE	Minimum Surface Preparation Guideline
NACE RP0487-2000	Selection of Rust Preventives
SSPC	Minimum Surface Preparation Guideline

**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

### *Product Preparation:*

Product should be mixed thoroughly and uniform prior to use.

### *Product Application:*

Product can be applied by spray, brush, roll, or dip. Normal DFT is 1-3 mils (25-75 microns). Apply VpCI®-369 in a well-ventilated area.

Air-Assisted Spray Equipment:

<u>Manufacturer</u>	<u>Gun Model</u>
Graco	AA Plus

Airless Spray Equipment:

<u>Manufacturer</u>	<u>Gun Model</u>
Graco	Model 510

Fluid hose should be 3/8" I.D. with a length of 10'. A 1/4" whip hose may be used for ease of application. Best results will be achieved by using a 0.011"-0.015" tip at 1700 psi (117 bar). The minimum fluid atomization pressure required is 1500 psi (103 bar), which gives 2-4 mils (50-100 microns) WFT/pass.

### *Product Cleanup:*

For cleanup of tools and overspray, use alkaline cleaners such as Cortec® VpCI®-414 or mineral spirits

## LIMITATIONS

VpCI®-369 can be removed if applied in splash zones, heavy rains, or similar conditions. Parts protected with VpCI®-369 should be sheltered for best results.

## PACKAGING

VpCI®-369 and VpCI®-369 H are available in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, and VpCI®-369 is also available in diluted forms.

Available as CorShield® VpCI®-369 in 11 oz. (312 g) aerosol cans.

## LIMITED WARRANTY

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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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