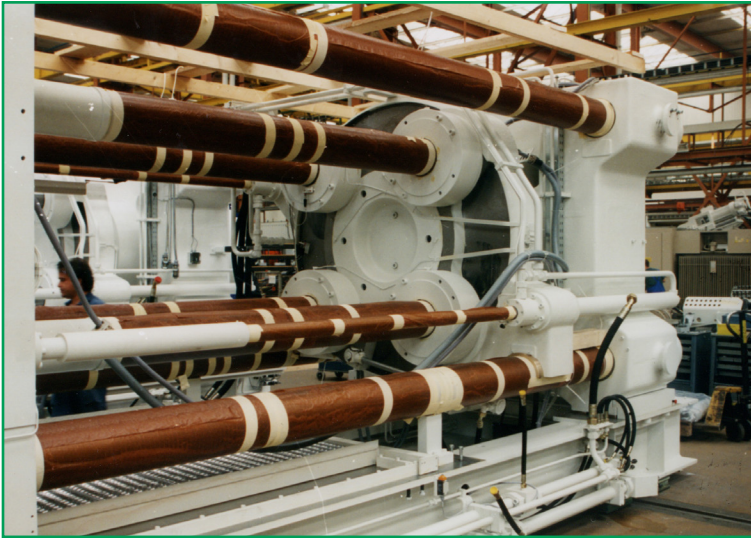




MICRO-CORROSION INHIBITING COATINGS POWERED BY NANO VpCI®

VpCI®-369



PRODUCT DESCRIPTION

VpCI®-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. VpCI®-369 is also excellent when used as an oil additive for mothballing, shipping, or storage of parts and equipment. In small percentages, VpCI®-369 has a minimal effect on viscosities.

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

VpCI®-369 also comes with an UV tracer, as VpCI®-369 UV. VpCI®-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 ² /gal @ 1-2 mils (18.8-37.6 m ² /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.

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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