**VpCI®-369**

**PRODUCT DESCRIPTION**

VpCI-369 is our 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.

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

**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)
- NSN 8030-00-244-1295
- NSN 8030-00-244-1297
- NSN 8030-00-244-1298
- NSN 8030-01-149-1731

**TYPICAL APPLICATIONS**

- 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**

<table>
<thead>
<tr>
<th></th>
<th>ASTM</th>
<th>DFT</th>
<th>Carbon Steel (1010)</th>
<th>Aluminum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humidity D-1748</td>
<td>2-3 mil (50-75 microns)</td>
<td>7000+ hr</td>
<td>3000+ hr</td>
<td></td>
</tr>
<tr>
<td>Salt Spray B-117</td>
<td>2-3 mil (50-75 microns)</td>
<td>3500+ hr</td>
<td>3500+ hr</td>
<td></td>
</tr>
</tbody>
</table>

**METALS PROTECTED**

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

**MINIMUM REQUIREMENTS FOR SURFACE PREPARATION**

<table>
<thead>
<tr>
<th>NACE</th>
<th>SSPC</th>
<th>ARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>7-63</td>
<td>As low as B-3</td>
</tr>
</tbody>
</table>

**Methods for Monitoring:**

Wet Film Thickness Gauge

**TYPICAL PROPERTIES**

- Appearance: Light beige/tan viscous liquid
- Film Type: Oily
- Flash Point: 233°F (112°C)
- Shelf Life: 24 months @ 75°F (24°C)
- Non-volatile Content: 95-99%
- Theoretical Spread Rate:
  - 753-1506 ft²/gal @ 1-2 mils (18.8-37.6 m²/l @ 25-50 microns)
- Viscosity: 10,000-45,000 cps
- Weight per Gallon: 7.7-8.4 lb/gal (0.92-1.01 kg/l)
- Temperature Resistance:
  - 108°F to 500°F (Fully Cured)
  - -108°F to 260°C
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:
Manufacturer | Gun Model
-------------|------------
Graco        | AA Plus

Airless Spray Equipment:
Manufacturer | Gun Model
-------------|------------
Graco        | Model 510

Fluid hose should be 3/8” I.D. with a length of 10’. A ¼” 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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