



<b>Product</b>	<b>Type</b>
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**COUNTER RUST™ 7165      Rust Preventive**

**Thin-film calcium sulfonate based water displacing rust preventive soluble in oil and solvent**

**Application**

Counter Rust 7165 is thin-film, water displacing rust preventive that provides excellent protection against salt and humid atmospheres when formulated in petroleum solvent and/or oil solutions.

Counter Rust 7165 is designed specifically to offer excellent solubility and stability in the widest ranges of solvents, oils and blends. When formulated and tested in the B-117 salt atmosphere test, Counter Rust 7165 has demonstrated over 98 hours of protection.

Counter Rust 7165 also provides excellent water separating and displacing properties. It is non-staining to a variety of ferrous and non-ferrous metals. Counter Rust 7165 does not contain barium or other heavy metals.

**Typical Properties**

<b>Test</b>	<b>Typical</b>
<b>Appearance</b>	<b>Brown waxy</b>
<b>Specific gravity at 15.6° C</b>	<b>0.9</b>
<b>Total acid number, mg KOH/g</b>	<b>14</b>
<b>Congeval melt point, °C</b>	<b>30</b>

**Benefits**

- Excellent solubility in a wide range of solvents and oils
- Excellent salt spray and humidity protection
- Non-Staining
- Excellent water-displacing and water-separation
- No barium or other heavy metals

**Performance**

<b>Counter Rust 7165 (% by wt.)</b>	<b>High Flash Mineral Spirits (% by wt.)</b>	<b>Naphthenic Oil (% by wt.)</b>	<b>Film thickness (microns)</b>	<b>ASTM B-117 Salt Spray Hours to Fail</b>	<b>ASTM D 1748 Humidity Cabinet Hours to Fail</b>
12.0	76.0	12.0	4.25	>75	>1200
15.0	85.0	0	6.5	>48	>1200
20.0	80.0	0	5.0	>98	>1200

## Suggested Formulations

### Waxy thin film finished rust preventive:

Counter Rust 7165                    10 - 20%  
Aliphatic high flash solvent        Balance

### Oily thin film finished rust preventive

Counter Rust 7165                    10 - 15%  
100 SUS naphthenic oil            10 - 15%  
Aliphatic high flash solvent        Balance

## Storage and Handling

Recommended Maximum Long Term Storage Temperature*	45°C / 113°F
Recommended Minimum Temperature for Use	45°C / 113°F
Flash Point	190°C COC
Pour Point	Melting Point 28°C

\*Long term storage at temperatures above this may result in loss of performance.



### Lockhart Chemical Company

4302 James P Cole Boulevard Flint, MI 48505

Phone: 1-810-789-8330 Fax:1-810-789-3266

[www.lockhartchem.com](http://www.lockhartchem.com)

email: [customerservice@lockhartchem.com](mailto:customerservice@lockhartchem.com)

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