



<b>Product</b>	<b>Type</b>
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**COUNTER RUST™ 7100      Rust Preventive**

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

**Application**

Counter Rust 7100 is a premium 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 7100 is designed specifically to offer the quickest demulsification time while providing 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 7100 has demonstrated over 150 hours of protection yet the film is easily removed.

Counter Rust 7100 also provides excellent water separating and displacing properties. It is non-staining on a variety of ferrous and non-ferrous metals. Counter Rust 7100 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>24</b>
<b>Congeval melt point, °C</b>	<b>33</b>

**Benefits**

- Superior speed in demulsification
- Excellent salt spray and humidity protection
- Non-Staining
- Excellent water-displacing and water-separation
- No barium or other heavy metals

**Performance**

<b>Counter Rust 7100 (% 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	>96	>1200
15.0	85.0	0	6.5	>50	>1200
20.0	80.0	0	5.0	>150	>1200

## Suggested Formulations

### Waxy thin film finished rust preventive:

Counter Rust 7100                    10.0 - 20.0%  
Aliphatic high flash solvent        Balance

### Oily thin film finished rust preventive

Counter Rust 7100                    10.0 - 15.0%  
100 SUS naphthenic oil            10.0 – 15.0%  
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	172°C COC
Pour Point	Melting Point 33°C

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



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