



<b>Product</b>	<b>Type</b>
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**COUNTER RUST™ 7010      Rust Preventive**

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

**Application**

Counter Rust 7010 is an economical and efficient thin-film, water displacing rust preventive based on barium sulfonate and oxidized hydrocarbons. Counter Rust 7010 provides excellent protection against salt and humid atmospheres when formulated in petroleum solvent and/or oil solutions.

Counter Rust 7010 is designed specifically to offer the quick 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 7010 is non-staining on a variety of ferrous and non-ferrous metals.

**Typical Properties**

<b>Test</b>	<b>Typical</b>
<b>Appearance</b>	<b>Waxy solid</b>
<b>Specific gravity at 15.6° C</b>	<b>0.94</b>
<b>Total base number, mg KOH/g</b>	<b>16</b>
<b>Congeval melt point, °C</b>	<b>38</b>
<b>Total barium, wt.%</b>	<b>4.8</b>

**Benefits**

- Excellent salt spray and humidity protection
- Non-Staining
- Excellent water-displacing and water-separation
- Soluble and stable in a wide variety of petroleum solvents and oils
- Good boundary lubrication in forming operation

**Performance**

<b>Counter Rust 7010 (% 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 Days to Fail</b>
12.0	76.0	12.0	1.78	>75	>60
15.0	85.0	0	6.5	>50	>60
20.0	80.0	0	5.0	>85	>60

## Suggested Formulations

### Moisture displacing rust preventive coating:

Counter Rust 7010	10 -15%
Ethylene glycol monobutyl ether	0 - 3%
Mineral spirits	Balance

### Oily thin film finished rust preventive

Counter Rust 7010	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	>340° F COC
Pour Point	Melting Point 38°C

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



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