



|                |             |
|----------------|-------------|
| <b>Product</b> | <b>Type</b> |
|----------------|-------------|

**COUNTER RUST™ 7188      Rust Preventive**

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

**Application**

Counter Rust 7188 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 7188 is designed specifically to offer superior protection against rust and corrosion 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 7188 has demonstrated over 110 hours of protection yet the film is easily removed.

Counter Rust 7188 also provides excellent water separating and displacing properties. It is also non-staining and non-corrosive to a wide variety of ferrous and non-ferrous 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>0.92</b>       |
| <b>Total acid number, mg KOH/g</b> | <b>12</b>         |
| <b>Congeval melt point, °C</b>     | <b>38</b>         |

**Benefits**

- Excellent salt spray and humidity protection
- Excellent water displacing performance
- Non-Staining
- Soluble and stable in a variety of solvents and oils
- Thin film for easy removal

**Performance**

| <b>Counter Rust 7188 (% 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                            | >70  | >1200   |
| 15.0                                | 85.0   | 0                                | 6.5                             | >50  | >1200   |
| 20.0                                | 80.0   | 0                                | 5.0                             | >110                                       | >1200   |

## Suggested Formulations

### Waxy thin film finished rust preventive:

|                              |              |
|------------------------------|--------------|
| Counter Rust 7188            | 10.0 - 20.0% |
| Aliphatic high flash solvent | Balance      |

### Oily thin film finished rust preventive

|                              |              |
|------------------------------|--------------|
| Counter Rust 7188            | 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  | 176°C COC          |
| Pour Point   | Melting Point 38°C |

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



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