



Technical Data Sheet

Product	Type
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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

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

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

Counter Rust 7165 (% by wt.)	High Flash Mineral Spirits (% by wt.)	150 S/N paraffinic oil (% by wt.)	ASTM B-117 Salt Spray Hours to Fail	ASTM D 1748 Humidity Cabinet Hours to Fail
12.0	76.0	12.0	>75	>1200
15.0	85.0	0	>48	>1200
20.0	80.0	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

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



TRU Full Circle Additives

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