



Technical Data Sheet

Product	Type
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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

Test	Typical
Appearance	Brown waxy
Specific gravity at 15.6° C	0.9
Total acid number, mg KOH/g	20
Congeal melt point, °C	33

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

Counter Rust 7100 (% by wt.)	High Flash Mineral Spirits (% by wt.)	Naphthenic 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	>96	>1200
15.0	85.0	0	>50	>1200
20.0	80.0	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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